



Office of
**Research, Innovation
& Commercialization**

ORIC-UCP

ANNUAL REPORT

— 2024 —



University of Central Punjab (UCP), Lahore



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ABBREVIATIONS

KPI	Key Performance Indicator
ORIC	Office of Research Innovation and Commercialization
BRIA	Best Researcher & Innovator Award
HEC	Higher Education Commission
FOITCS	Faculty of Information Technology and Computer Science
FOE	Faculty of Engineering
FOL	Faculty of Law
FOPS	Faculty of Pharmaceutical Sciences
FHSS	Faculty of Humanities and Social Sciences
FOMS	Faculty of Management Sciences
FMCM	Faculty of Media and Mass Communication
FLL	Faculty of Languages and Literature
FIPP	Faculty Industry Placement Program
IPs	Intellectual Property
IAL	Industry Academia Linkage
FMs	Faculty Members
PAPAAM	Pakistan Association of Automotive Parts & Accessories Manufacturers
PSQCA	Pakistan Standards & Quality Control Authority

ORIC KPIs Established by HEC

Office of Research, Innovation, and Commercialization is being evaluated by the Higher Education of Pakistan every year through standard KPIs of 100 marks for a year starting from 1st July to 30th June

KPI BREAKDOWN

The breakdown of 100 Marks of KPI is as below

Human Resource & Operations (HR & O)	Research Excellence (RE)	Innovation & Commercialization (I & C)	Sustainability & Capacity Building (S & CB)
10%	45%	30%	15%



HEC RANKING CRITERIA FOR RECOGNITION AND UNIVERSITY OVERHEAD FROM FUNDED PROJECTS



Non-Recognized
University Overhead
0%



Y Category
University Overhead
5 %



X Category
University Overhead
10 %



W Category
University Overhead
15 %

UCP-ORIC secured the 34th Position (Y-Category) out of 78 universities

	University of Central Punjab, Lahore	Total Score	Category	Y
			Score Obtained	48
A.	Human Resource and Operations	10	10	100%
B.	Research Excellence	45	14	31%
C.	Innovation and Commercialization	30	12.5	42%
D.	Sustainability and Capacity Building	15	11.5	77%
	Total	100	48	62.5%

Pro-Rector Message



The University of Central Punjab is proud to present the 2024 Annual Report of the Office of Research, Innovation, and Commercialization (ORIC), highlighting our collective achievements in advancing Research, Innovation, and Commercialization.

Over the past year, our faculty, Researchers, and Students have shown unwavering commitment to pushing the boundaries of knowledge across disciplines. We take pride in the growing number of high-impact Publications, Patents, and strategic collaborations with industry and government. These accomplishments reflect our rising stature as a Centre of Intellectual Excellence and our contribution to a knowledge-based economy through translational research.

Commercialization remains a cornerstone of our strategic vision. By fostering a culture of entrepreneurship and innovation, and leveraging our technology transfer offices, incubation Centers, and funding platforms, we are transforming ideas into impactful business solutions and start-ups.

We extend heartfelt thanks to our research community, funding bodies, industry partners, and stakeholders whose support drives our continued success. Together, we are shaping a future defined by knowledge, innovation, and societal impact.

Prof. Dr. Hammad Naveed

Director ORIC



I'm pleased to share with you the ORIC Annual Report 2024, a reflection of another exciting and impactful year at the University of Central Punjab. This report captures the vibrant research and innovation journey we've had—driven by the passion, creativity, and commitment of our faculty, researchers, and students.

At UCP, research and innovation go beyond labs and publications. They are part of our everyday culture—fueling new ideas, solving real-world problems, and creating value for society. This year's highlights include a wide range of activities: funded projects, quality publications, patents, technology transfer, lab upgrades, and meaningful contributions to community development.

We've seen incredible growth in our research output, supported by strong collaboration between academia and industry. Our scholars continue to push boundaries, supported by cutting-edge facilities and an environment that encourages bold thinking and practical solutions for national development. Over the past year, ORIC has worked hand-in-hand with faculty and researchers—supporting grant applications, nurturing interdisciplinary projects, and building connections that bring research to life in the form of innovations and real-world impact. We're proud of the progress made and excited about the opportunities ahead.

I'm deeply thankful to our senior leadership, especially the Pro-Rector, along with the dedicated faculty and staff who make this journey possible. Your support and belief in ORIC's mission have been invaluable.

As we look ahead, I'm confident that UCP will continue to grow as a hub of knowledge, innovation, and meaningful collaboration—both nationally and globally.

Prof. Dr. Muhammad Akhyar Farrukh

CHAPTER

1

ABOUT UCP

THE CENTRE OF YOUR FUTURE



CHAPTER

1

ABOUT UCP

When the University operations started in October 1999, it offered courses in Management Studies, Information Technology, Commerce and Law through its principal constituents i.e., Punjab College of Business Administration (PCBA), Punjab Institute of Computer Sciences (PICS) & Punjab College of Information Technology (PCIT), Punjab College of Commerce (PCC) and Punjab Law College (PLC) respectively, all situated in Lahore.



The University of Central Punjab provides its students with innumerable academic, extra and co-curricular experiences, which equip them with skills and knowledge that stay with them beyond their years at university. Students and alumni have succeeded in contributing to the fields of health, business, technology, law, engineering, media, and science. Students are given the opportunity to discover their area of interest as each of our nine faculties offers a range of program. Highly qualified and professionally experienced faculty members, trained from national and international institutes incorporate new teaching and research methods and work ceaselessly to help students achieve academic excellence. Furthermore,

University of Central Punjab has numerous societies which promote education, socialization, entrepreneurship, social causes and different forms of art.

Our vision is to create an institution, built on the foundation of providing quality education to the youth of Pakistan. This core belief has been validated through top rankings, accreditations, and awards from leading national and international academic organizations.

The University of Central Punjab offers cutting edge facilities, a continuously expanding infrastructure; science and technology labs furnished with latest and highly advanced equipment. Being one of the first educational institutes of Pakistan to move towards a greener environment, University of Central Punjab has installed solar panels on campus. A state-of-the-art auditorium, webinar room, production house and other such amenities allow our students to engage with the material learned in the classroom in a myriad of ways which includes implementing skills practically, diving deeper into the curricula as well as having the opportunity to interact with experts in their chosen fields.

Education in the 21st century requires adapting to the challenges of modern times and maintaining a balance between continuity and change. The adaptation of technological advancements has taken over the old traditional paradigms of education. At the University of Central Punjab all our efforts are focused around enriching the educational experience of our students and providing Pakistan with a well-educated and socially responsible populace.

UCP offers everything students need to develop and succeed in their academic and professional lives. To make the learning experience enjoyable and fulfilling, students are provided with cutting-edge facilities and infrastructure. Multiple labs are provided with latest and highly sophisticated equipment. Airconditioned classrooms equipped with multimedia projectors facilitate teaching process by enhancing learning and understanding.

Our vision is to create an institution, built on the foundation of providing quality education to the youth of Pakistan. The University offers an intuitive and stimulating experience through multidisciplinary research and teaching, with a focus on integrated learning, intellectual curiosity, and innovative problem solving. Its academic members are committed to teaching and creating knowledge.

VISION

To become an internationally acclaimed University in teaching and research.

MISSION

To provide quality education leading to research, employability and entrepreneurial pursuits creating societal impact, serving the nation and the world.

CORE VALUES



Integrity:

We put honesty and ethical responsibility at the core of everything we do



Respect:

We treat everyone with dignity and value the wisdom and expertise of the people that surround us



Tolerance:

We accept the existence of different views, ideas, and people even if we may disagree with them



Commitment:

We are passionate and determined to work hard in order to achieve our goals



Service:

We believe in helping our community and working together to empower each Other.



Creativity:

We celebrate innovation and encourage new ways to think.

CHAPTER **2**

ABOUT ORIC



ORIC

**(Office of Research Innovation
and Commercialization)**

CHAPTER

2

About ORIC

The Office of Research, Innovation, and Commercialization (ORIC) at the University of Central Punjab (UCP) was officially recognized in December 2021. Following its establishment, UCP-ORIC submitted its first data set to the Higher Education Commission (HEC) in July 2022 for validation and inclusion in the national ORIC ranking. As a result, UCP-ORIC secured **Y category**, the **34th position out of 78** institutions for the **2022–2023** cycle.



Building on this progress, UCP-ORIC submitted updated data for the 2023–2024 Annual Ranking, aiming to achieve the X category.

Introduction

ORIC (Office of Research Innovation and Commercialization) play a vital role in supporting researchers by providing resources, guidance, and assistance in various aspects of research. This includes helping researchers identify funding opportunities, develop grant proposals, and manage research projects effectively. A significant responsibility of an ORIC is to manage the transfer of knowledge, technology, and intellectual property from the institution to industry partners or startups. This helps bridge the gap between academic research and real-world applications.

ORIC often foster collaborations between researchers and industry partners. These partnerships can lead to joint research projects, funding opportunities, and the exchange of expertise, benefiting both academia and industry.

ORICs play a crucial role in facilitating research, innovation, and collaboration within academic and research institutions, with the ultimate goal of advancing knowledge and bringing the benefits of research to society. The specific functions and priorities of an ORIC may vary from one institution to another, but they typically focus on supporting and promoting research and innovation endeavors.

ORICs may provide support and resources to faculty and researchers interested in publishing their research in academic journals. This support can include guidance on selecting appropriate journals, navigating the submission process, and understanding publication policies.

ORICs may help researchers secure funding to attend conferences, present their research, and network with peers. They may provide information about internal and external funding opportunities for conference travel.

2.1 Vision

To promote and strengthen the culture of research and innovation at UCP and link the industry with university for accelerating the process of creation and diffusion of cutting-edge knowledge and technologies for solving the most pressing problems of our times.

2.2 Mission

The goal of ORIC is to promote and enhance the scholarly environment in all disciplines of UCP in order to align it with other renowned educational institutions nationally and internationally, while maintaining the highest standards of scholarly inquiry by both scholars and faculty. Moreover, ORIC aims to make a positive impact by fostering research leadership, enabling them to play a distinctive role in shaping the economic trajectory of the nation through internationally recognized research accomplishments which aims to strengthen the national economy.

Promoting entrepreneurship, technology-transfer and commercialization activities that energize and support the local and national economy.

2.3 Purpose

The development, expansion, improvement, and management of the university's research programs, as well as the direct connection between research activities and the academic, social, and economic interests of the institution and its wider community, are the goals of the Office of Research, Innovation, and Commercialization (ORIC). Additionally, the ORIC is in charge of making sure that the caliber of the research meets the highest international standards and elevates the university's standing among the top research institutions in the world. In order to fulfill its mission, the ORIC must ensure that all research programs and policies uphold the fundamental principles of academic freedom, professional integrity, and ethical behavior. It must also ensure complete compliance with all university policies, legal mandates, and operational standards.

2.4 ORIC Domains

The Office of Research, Innovation & Commercialization (ORIC) seeks to help all faculties intentionally and effectively in the following three areas:

- ❖ Develop your technological expertise.
- ❖ Enhance linkages between industry and academia.
- ❖ Producing and carrying on research policy.



2.5 ORIC Services

- ❖ Research Publications.
- ❖ Research Proposals & Grants/ Research Projects.
- ❖ Research Journals and Conferences.
- ❖ Patents Filed/ Granted.
- ❖ Technology Transfer and Commercialization.
- ❖ Industrial Linkages.
- ❖ Business Incubation Services.
- ❖ Trainings and MOUs.

2.6 Objectives of ORIC

The Office of Research, Innovation & Commercialization, also known as ORIC, offers comprehensive services for any issue related to R&D, innovation, patents, commercialization, collaborations, and organizing honoraria for research publications as well as seminars, colloquia, symposiums, conferences, and workshops. The Office of Research, Innovation & Commercialization (ORIC) serves as the main hub for all university-wide research-related initiatives, Industry collaboration and commercialization.

Additionally, the ORIC is in charge of making sure that every aspect of the research meets the highest international standards and elevates the university's standing among the top research institutions in the world. In order to fulfill its mission, the ORIC must ensure that all research programs and policies uphold the fundamental principles of academic freedom, professional integrity, and ethical behavior. It must also ensure complete compliance with all university policies, legal obligations, and operational standards.

- ❖ Serve as an effective advocate for research and commercialization with the university and to its broader community of stakeholders and supporters.
- ❖ Overseeing all aspects of research and development efforts, including planning, budgeting, recruiting, training, etc.
- ❖ Conduct research and development (R&D) in a variety of fields, such as biotechnology, nanotechnology, and information technology.
- ❖ Prepare invoices, memos, letters, and other documents using word processing, spreadsheet, database or presentation software.
- ❖ Manage correspondence (e-mail) and respond in a timely and professional manner to

all internal and external inquiries.

- ❖ Prepare, maintain, and update website materials.
- ❖ Filing and Prosecuting Patent Application.
- ❖ Keep the faculty updated with all internal and external available research opportunities.
- ❖ Compiling the research, innovation and commercialization activity record and publication of the ORIC annual report
- ❖ Production of the online journal/articles from receipt of manuscripts to online publication to an agreed standard of quality, cost, budgeted extent and to agreed schedules.
- ❖ Facilitate the university in matters related to Research Innovation and Commercialization.
- ❖ Promoting entrepreneurship, technology-transfer and commercialization activities that energize and support the local and national economy.
- ❖ Receiving and processing all administrative matters, facilitating requests received from the principal investigators/project awardees, matching them with approved proposals and forwarding them to the relevant administrative department for execution i.e., fund release from treasurer office etc.
- ❖ Develop and maintain research cores and infrastructure within the institute including web pages, internal grant review procedures, and statistical support.

Commending the above ORIC supports the Universities strategic Research Direction and Policies, promoting entrepreneurship, technology-transfer and commercialization activities that energize and support the local and national economy, Strengthening university-industry relationships etc.

2.7 Strategic Plan (5 – Year)

UCP – ORIC 5 Year’s strategic plan is as:

2.7.1 Action-Plan:

- ❖ Devising, implementation, and up gradation of remuneration policy for research publications in journals.
- ❖ Designing /implementation of Best



Researcher & Innovator Award.

- ❖ Management of Ethical Institutional Review Board (IRBI).
- ❖ Research Groups formations for research coordination, interdisciplinary research, and national /international collaborations.
- ❖ Google Scholar/Scopus profiles of faculty members for monitoring and enhancement of citations.
- ❖ Participation in HEC research awards.
- ❖ Awareness campaign for national/ international grants and provide support for maximum submission of proposals.
- ❖ Organization of Conferences through relevant offices of faculties.
- ❖ Upgradation and value-addition in centralized research portal of university for monitoring and data analytics.
- ❖ Providing guidelines and publication Strategy through peer-peer meetings and interactions.
- ❖ Provide awareness with regard to journal metrics/indexing, and conference standings.
- ❖ Enhancement in R&D Project Activities

2.7.2 Expected Outcomes

<u>Short-Term</u>	<u>Mid-Term</u>	<u>Long-Term</u>
<ul style="list-style-type: none"> ❖ 10% Increase in impact Factor Publications. 10% Increase in Proposal Submission for National/International Grants. ❖ 10% Increase in Citations of university 	<ul style="list-style-type: none"> ❖ 20% Increase in impact Factor Publications. 20% Increase in Proposal Submission for National/International Grants. ❖ 20% Increase in Citations of university. 	<ul style="list-style-type: none"> ❖ 50% Increase in Impact Factor Publications. ❖ 50% Increase in proposal Submission for National/ International Grants. ❖ 50% Increase in Citations of University.

2.7.3 Performance Indicators

- ❖ Number of patents granted.
- ❖ Number of research articles published in impact factor journals.
- ❖ Participation in number of conferences both national and international.
- ❖ Number of active agreements/ licenses /MOUs with local and international industry.
- ❖ Number of License Agreements, Consultancy Agreements, IP Rights signed by startups.
- ❖ Securing contractual research from the industry.
- ❖ Revenue generation through research commercialization.

2.7.4 Action Plan

- ❖ Engagement of a professional IP consultant for filing with IPO.
- ❖ Reviewing teaching workload of research faculty for giving them the opportunity to indulge in projects and producing impactful research.
- ❖ Industry placement of faculty from disciplines of pure sciences for enhancing their ability to produce advanced technological artifacts.
- ❖ Student engagement with industry for building their capacity, professional competencies and making them market ready.
- ❖ Rigorous, inclusive and diversified startup selection process.
- ❖ Enhancing UCP global footprint by leveraging the experience of international members in the UCP-ORC steering committee to build global linkages to secure research projects.

ORIC Action Plan

Research Enhancement	Innovation and Technology Transfer	Industry Engagement	International Collaboration
<ul style="list-style-type: none"> ➤ Foster a culture of research excellence ➤ Encourage faculty and researchers to engage in high-impact research projects ➤ Promote interdisciplinary collaboration and partnerships. ➤ Establish research centers and labs for specialized research areas. ➤ Evaluate research progress and impact. 	<ul style="list-style-type: none"> ➤ Facilitate the commercialization of research outcomes and inventions. ➤ Establish industry partnerships and collaborations for technology transfer. ➤ Promote innovation and entrepreneurship among students and faculty. ➤ Create technology transfer offices to facilitate commercialization. 	<ul style="list-style-type: none"> ➤ Collaborate with companies on research and development initiatives. ➤ Facilitate industry-sponsored research projects. ➤ Develop internship and co-op programs with local companies. ➤ Organize industry-specific events and forums for collaboration. 	<ul style="list-style-type: none"> ➤ Foster international research collaborations and partnerships. ➤ Promote participation in international conferences and networks. ➤ Seek external funding for collaborative international initiatives.

2.8 ORIC Steering Committee



ORIC steering committee comprise of members of senior executives or stakeholders responsible for providing guidance and direction to ORIC ongoing projects or initiatives. The purpose of the meeting is to discuss key issues, make strategic decisions, and ensure that the project or initiative is aligned with organizational goals.

2.8.1 Steering Committee Features

Some common features addressed in an ORIC Steering Committee Meeting are as:

❖ **Project Updates:**

Review progress reports and updates on the status of ongoing projects or initiatives.

❖ **Strategic Planning:**

Discuss and make decisions regarding the overall strategic direction of the organization or project.

❖ **Problem Solving:**

Address any challenges or issues that have arisen since the last meeting and work on solutions.

❖ **Future Planning:**

Discuss long-term goals, future projects, and potential areas for improvement.

*2.8.2 Steering Committee Members***UCP-ORIC Steering Committee**

Sr.	Name and Designation	Position	Parent Institute/organization
1.	Pro-Rector	Chair	UCP
2.	Dr. Hafiza Rizwana Kausar	Co-Chair	Dean FOST, UCP
3.	Mr. Hameed K. Lateef	Member	TTI Testing Laboratories
4.	Mr. Naveed Ashraf	Member	SRC, Pvt. Ltd
5.	Mr. Sarim Mehmood	Member	Fruit of Sustainability Pvt. Ltd
6.	Mr. Sahir Mushtaq	Member	Malik Traders Group
7.	Mr. Ameer Ahmad	Member	Aroome Engineering Pvt. Ltd.
8.	Mr. Salheen Bakhet	Member	Siliconic Pro International
9.	Iftikhar Hussain	Member	Alumni UCP
10.	Usman Ahmad Butt	Member	UCP Alumnus and Owner of NOVU Chain of Restaurants
11.	Rana Faisal Shabbir	Member	UCP Alumnus and Owner of Rana Rice Mills
12.	Prof. Dr. Muhammad Akhyar Farrukh	Secretary	Director ORIC, UCP

2.8.3 Objectives of ORIC Steering Committee Meeting

- ❖ Devise & approve 5-year strategic plan & compliance.
- ❖ Review and approve recommendations for better achievement.
- ❖ Review periodic monitoring reports.
- ❖ Provide policy guidance to ORIC leadership.
- ❖ Ensure that ORIC activities/ initiatives are coordinated with relevant stakeholders, inside or outside the HEI.
- ❖ Bridge the gap between academia and industry.
- ❖ Advise VC/Head on the research management challenges of the university.
- ❖ Undertake any other task relevant to the better functioning of the ORIC.
- ❖ Rigorous, inclusive and diversified startup selection process
- ❖ Enhancing UCP's global footprint by international members in steering committee.

ORIC steering committee make financial decisions for the project and to measure progress against the specific objectives, milestones, and deliverables of each work package. Another goal is to create metrics to assess the impact of the work. They are in charge of overseeing the consolidation of the various project's data-infrastructure requirements and developing a joint policy on issues. Finally, to monitor the sustainability of the infrastructure components being developed and to develop a plan for support following the completion of the grant.

2.8.4 Terms of Reference (ToR) of ORIC Steering Committee Meeting

As per HEC ORIC policy 2021 following are the ToR of ORIC Steering Committee Meeting:

- a. ORIC-SC is the governing body for the ORIC, and shall provide strategic leadership and governance oversight. ORIC-SC will provide dedicated advice to the VC for decisions and actions to be taken in accordance with the objectives, approach and scope of the ORIC.
- b. ORIC-SC shall continuously review the performance of ORIC in line with the devised KPIs and strategic plan and guide the ORIC leadership by providing effective oversight and evaluations.

- c. ORIC-SC shall:
 - i. Devise and approve the 5-year strategic plan for the ORIC and ensure its proper compliance.
 - ii. Review and approve the recommendations for implementation of initiatives for better achievement of ORIC objectives from ORIC leadership.
 - iii. Review periodic monitoring reports on the basis of KPIs and advise the ORIC leadership accordingly.
 - iv. Provide policy guidance to ORIC leadership.
 - v. Ensure that ORICs activities and initiatives are coordinated with other relevant stakeholders, inside or outside the HEI.
 - vi. Bridge the gap between academia and industry and provide crucial advice on matters to promote university-industry linkages and commercialization.
 - vii. Advise the VC on the research management challenges of the university.
 - viii. Undertake any other task relevant to the better functioning of the ORIC.
- d. Members of ORIC-SC shall be appointed on the basis of their expertise in dealing with roles and responsibilities associated with the better performance of ORIC. All members shall have to sign Conflict of Interest statements

2.8.5 Steering Committee Meetings summary

Meetings	Date	Meeting Agenda
11.	27 th Feb, 2024	Expo Centre Participation, Patent Filings, Training on Intellectual Property Rights, Consultancies, Annual Report 2023, ORIC Scorecard, ORIC-E-Newsletter
12.	24 th April, 2024	Scholarships and Cultural Camp, Expo Centre Participation, Patent Filings; Examination Reports, HEC-Scorecard Evaluation ORIC-E-Newsletter
13.	12 th June, 2024	Scholarships and Cultural Camp, Expo Centre Participation, Patent Filings, HEC-ORIC Scorecard, Workshops and Training Faculty Industry Placement Program
14.	25 th June, 2024	ORIC SCORECARD (2023-24), ORIC-E-Newsletter, Research Proposals Submission Expo Events Participation, Faculty Industry Placement Program (FIPP), Annual Events Calendar, Workshops for Faculty Members
15.	27 th Aug, 2024	EXPO Centre Events Participation, Faculty Industry Placement Program (FIPP), ORIC SCORECARD (2023-24), ORIC-E-Newsletter Awareness Session for Peridot Research Program Call
16.	31 st October, 2024	EXPO Centre Events Participation, Internships for UCP Students, Faculty Industry Placement Program (FIPP), ORIC-E-Newsletter Panel Discussion on FIPP
17.	27 th December, 2024	Welcome to the new committee members, Participation in EXPO Centre Events, MoU with Jiangxi University of Science and Technology, Patent Filing and Examination Progress, DOI Registration for UCP Research Journals, Faculty Industry Placement Program (FIPP), IBEX HR Generalist/Analyst Roles

11th Meeting ORIC Steering Committee Meeting (27th February, 2024)

Sr. No.	Notable Initiatives	Actions
1.	Expo Centre Participation	UCP students and faculty participated in events like the International Dairy Expo, Pakistan Mega Leather Show 2024, and Future Fest.
2.	Patent Filings	UCP faculty members filed 79 patents, with 4 granted and 10 examination reports submitted.
3.	Training on Intellectual Property Rights	A two-day training on 'Intellectual Property Rights and Patent Filing' was arranged by PHEC and attended UCP Faculty Member and Staff.
4.	Consultancies	UCP faculty members offered ten consultancies to different industries.
5.	Annual Report 2023	ORIC prepared and presented its Annual Report for 2023.
6.	ORIC Scorecard	Progress on the ORIC Scorecard (2023-24) was shared.
7.	ORIC-E-Newsletter	Volume-I, Issue-II of the ORIC-E-Newsletter was launched, with the next issue scheduled for March.

12th Meeting ORIC Steering Committee Meeting (April 24, 2024)

Sr. No.	Notable Initiatives	Actions
1.	Scholarships and Cultural Camp	Sichuan Vocational College of Information and Technology, China, offered scholarships for UCP students for summer and winter school. Sixteen students were selected for the China Cultural Camp. Dir. ORIC describes those 13 students and 2 faculty members of FLL will be sent in mid-May 2024.
2.	Expo Centre Participation	UCP students and faculty participated in events like the 37th Lahore International Book Fair (LIBF) 2024, 16th Pak Pharma & Healthcare Expo, 9th Invention to Innovation Summit – 2024, and Pakistan Sustainability Week 2024. Around 15 to 20 students attended these events including ORIC Staff and Faculty Members.

3.	Patent Filings; Examination Reports	12 out of 26 examination reports have been submitted to IPO in the last three months.
4.	HEC-Scorecard Evaluation	UCP-ORIC applied for the first time for HEC-Scorecard evaluation for the year 2022-2023 and secured 34th position (Y-category) out of 78 ORICs, achieving 48 marks while claiming 50 marks.
5.	ORIC-E-Newsletter	ORIC has successfully launched its Volume-I, Issue-III of ORIC-E-Newsletter. The next issue will be published in the first week of July 2024.

13 th Meeting ORIC Steering Committee Meeting (12 th June, 2024)		
Sr. No.	Notable Initiatives	Actions
1.	Scholarships and Cultural Camp	Sichuan Vocational College of Information and Technology, China, offered scholarships for UCP students for summer and winter school. Sixteen students (from FOMS, FLL, FOE & FOIT&CS) were sent on a two-week visit to SVCIT, China. Dir. ORIC appreciates Sahir Mushtaq for his collaboration in this regard.
2.	Expo Centre Participation	UCP students and faculty participated in events like AGRI Connection Expo, Pakistan Oil, Gas & Energy Exhibition (POGEE), ISEM – International Solar Energy Meet, 29th Pakistan HVACR International Expo & Conference 2024, and Land Star Property Expo 2024. Around 20 to 30 students attended these events including ORIC Staff and Faculty Members.
3.	Patent Filings	IPs drafting and filing is being facilitated by ORIC on a regular basis. Two new patents were filed during the last month. A total of 35 IPs examination reports were received from IPO, Pakistan during this year, with 13 being submitted to IPO, Pakistan and the remaining under process.
4.	HEC-ORIC Scorecard	Data collection for the HEC-ORIC Scorecard (April-June 2024) is under process. ORIC is aiming to secure 62 marks in the current year of the ORIC Scorecard for 2023-2024.
5.	Workshops and Training	IPs (6 sessions) & RPGs (2 sessions) workshops will be arranged by ORIC for Faculty Members in August & September 2024.

14th Meeting ORIC Steering Committee Meeting (June 25, 2024)

Sr. No.	Notable Initiative	Description
1.	ORIC SCORECARD (2023-24)	Shared progress with committee members, aiming to claim 62 marks by end of July 2024.
2.	ORIC-E-Newsletter	Launched Volume-I, Issue-IV; to be published in the first week of July 2024.
3.	Research Proposals Submission	Facilitating submission to National/International Funding Agencies on a regular basis.
4.	Expo Events Participation	Participating in Expo Events (Lahore) as per ORIC calendar.
5.	Faculty Industry Placement Program (FIPP)	Call for 2024 received 55 nominations from various faculties.
6.	Annual Events Calendar	Presented annual events calendar including Expo-Events and industrial visits up to December 2024.
7.	Workshops for Faculty Members	IPs (6 sessions) & RPGs (2 sessions) workshops to be arranged in August & September 2024.

15th Meeting ORIC Steering Committee Meeting (August 27, 2024)

Sr. No.	Notable Initiative	Description
1.	EXPO Centre Events Participation	UCP students and faculty participated in various EXPO Centre events, including Food, Agriculture, Rice and Hospitality Show, Paper, Tissue, Plastic and Packaging Asia 2024, SEE Pakistan, and 9th Color and Chemical Expo.
2.	Faculty Industry Placement Program (FIPP)	Almost 40 faculty members were placed in different industries during August, and 20 will be placed in September 2024.
3.	ORIC SCORECARD (2023-24)	ORIC Scorecard submitted with a score of 68 marks in the first week of July.
4.	ORIC-E-Newsletter	Launched Volume-I, Issue-IV of ORIC-E-Newsletter. Next issue to be published in the first week of October 2024.
5.	Awareness Session for Peridot Research Program Call	ORIC arranged an awareness session for Peridot Research Program Call for Research Proposal Phase-11, attended by 40 faculty members.

16th Meeting ORIC Steering Committee Meeting (October 31, 2024)

Sr. No.	Notable Initiative	Description
1.	EXPO Centre Events Participation	UCP students and faculty participated in various EXPO Centre events, including Heart Festival 2024, International Poultry Expo 2024, Pakistan Energy Exhibition & Conference (PEEC 2024), Health & Fitness Seminar, Lahore Auto Show, and Pakistan Auto Show.

2. Internships for UCP Students	ORIC, with the help of Sahir Mushtaq, arranged a meeting with Linqing Niushang Bearing Co., LTD, China, which offered internships for UCP students in their IT and Electric Engineering departments.
3. Faculty Industry Placement Program (FIPP)	Almost 55 faculty members were placed in different industries during August 2024.
4. ORIC-E-Newsletter	Launched Volume-2, Issue-II of ORIC-E-Newsletter. Next issue to be published in the first week of January 2025.
5. Panel Discussion on FIPP	ORIC organized a panel discussion/interactive session on Faculty Industry Placement Program (FIPP) to strengthen the linkage between academic institutions and the industry.

17th Meeting ORIC Steering Committee Meeting (December 27, 2024)

Sr. No.	Initiative	Description
1.	Welcome to the new committee members	Director ORIC formally welcomed Mr. Rana Faisal Shabbir, who has replaced Mr. Ahsan Skika. Mr. Faisal was introduced to all committee members.
2.	Participation in Expo Centre Events	Director ORIC shared details regarding UCP students and faculty participation in EXPO Centre events, including the Pakistan Agro Show, 8th Pakistan Industrial Expo 2024, and the Beats n Eats Family Festival.
3.	MoU with Jiangxi University of Science and Technology	Mr. Sahir Mushtaq's recent visit to China (December 5–13) culminated in the signing of a Memorandum of Understanding (MoU) with Jiangxi University of Science and Technology.
4.		The university has offered scholarships to UCP students for language and literature courses.

		been resubmitted to the IPO, Pakistan. The IP prototypes were showcased to the delegation from the Natural Products Research Network for Eastern and Central Africa (NAPRECA) during their visit to Takhleeq as part of the NAPRECA Winter School 2024.
5.	DOI Registration for UCP Research Journals	Director ORIC informed the committee about the successful registration of UCP research journals with CrossRef (DOI), enhancing their accessibility and academic visibility.
6.	Faculty Industry Placement Program (FIPP)	Significant opportunities have been created through the Faculty Industry Placement Program (FIPP), with 10 consultancy offers provided to faculty members this year.
7.	IBEX HR Generalist/Analyst Roles	Director ORIC highlighted the identification of IBEX HR Generalist/Analyst roles as an excellent career opportunity for UCP fresh graduates through the Faculty Industry Placement Program (FIPP).

2.8.6 Conclusion

Steering committee meetings are instrumental in ensuring that large-scale projects of strategic initiatives stay on track, meet their objectives, and align with the organization's overall goals. They provide a forum for senior leadership and experts to provide guidance and make decisions that can have a significant impact on the project's success. Seventeen Steering Committee Meetings for ORIC at UCP, had been conducted to provide strategic leadership.



2.9 ORIC Policies of Research

The Office of Research, Innovation and Commercialization (ORIC) formulates and implements research policies aimed at promoting a quality-driven, ethical, and innovative research culture within academic institutions. These policies focus on enhancing research capacity, ensuring integrity and compliance with ethical standards, supporting both basic and applied research, and fostering industry-academia linkages for commercialization and societal impact. ORIC also facilitates research funding, proposal development, intellectual property management, and international collaborations, while monitoring performance through structured evaluation mechanisms. Overall, ORIC's research policies aim to strengthen the research ecosystem, boost national and global competitiveness, and contribute to sustainable development.

Area	Strategies to Ensure Compliance
Ethical Oversight	Establish and empower Institutional Review Boards (IRBs)/Ethics Committees.
Research Integrity & Conduct	Promote responsible conduct of research (RCR) through training like Workshops on Research Ethics covering topics like plagiarism, data falsification, authorship disputes, and conflict of interest. Seminars on Good Laboratory Practices (GLP) and Good Clinical Practices (GCP) for biomedical and clinical researchers. Implement policies on plagiarism, data fabrication/falsification, and authorship ethics. Use plagiarism detection tools (e.g., Turnitin).
Capacity Building & Training	Conduct regular workshops on International Research Methodologies, ethics, and data protection. Train faculty and students on grant writing, reporting, and data sharing norms.
Institutional Policies & SOPs	Develop and enforce Standard Operating Procedures (SOPs) aligned with international benchmarks. Maintain research audit trails and documentation.
Collaboration & Peer Review	Engage in international research collaborations with MoUs that reflect global compliance. Submit work to peer-reviewed, indexed journals with rigorous international standards.
Data Management & Privacy	Ensure data collection, storage, and sharing complies with GDPR or other international data protection standards. Use secure, encrypted platforms for sensitive data.

Monitoring & Evaluation	Establish research monitoring and internal auditing mechanisms. Conduct annual evaluations of research projects and compliance levels.
Funding & Accountability	Adhere to funder requirements. Submit timely technical and financial reports to funding bodies.
Transparency & Open Access	Encourage publication in open-access platforms. Promote data transparency and reproducibility through the use of Institutional Open Journal System (OJS), interlinked with CrossRef for DOI assignment and metadata indexing.

CHAPTER

3

HEC-ORIC SCORECARD



CHAPTER

3

HEC-ORIC Scorecard

In order to quantify the performance verses envisioned research and commercialization profile of the ORICs, an Annual Performance Scorecard has been designed. The Scorecard has four (04) broader domains and activities and each have further Key Performance Indicators.

3.1 HEC-ORIC Scorecard Domains

The broader domains include:

1. Human Resource & Operations
2. Research Excellence
3. Innovation & Commercialization
4. Sustainability & Capacity Building

Each KPI is quantified by relevant measurable activity and each activity is allocated a score in accordance with its relativity.

3.2 Implementation, Performance Monitoring & Evaluation

The Annual Performance Scorecard is rolled out to all HEC notified / recognized ORICs during the month of May every year and the ORICs are requested to submit their duly filled scorecard along with relevant annexures and supporting documents within a one-month timeline. The performance of the ORICs is evaluated via the Scorecard on fiscal year basis, i.e., from July till June every year.

Subsequent to the submission of Annual Performance Scorecard by the ORICs, HEC evaluate and validate the claimed scores against the submitted evidences and supporting documents.

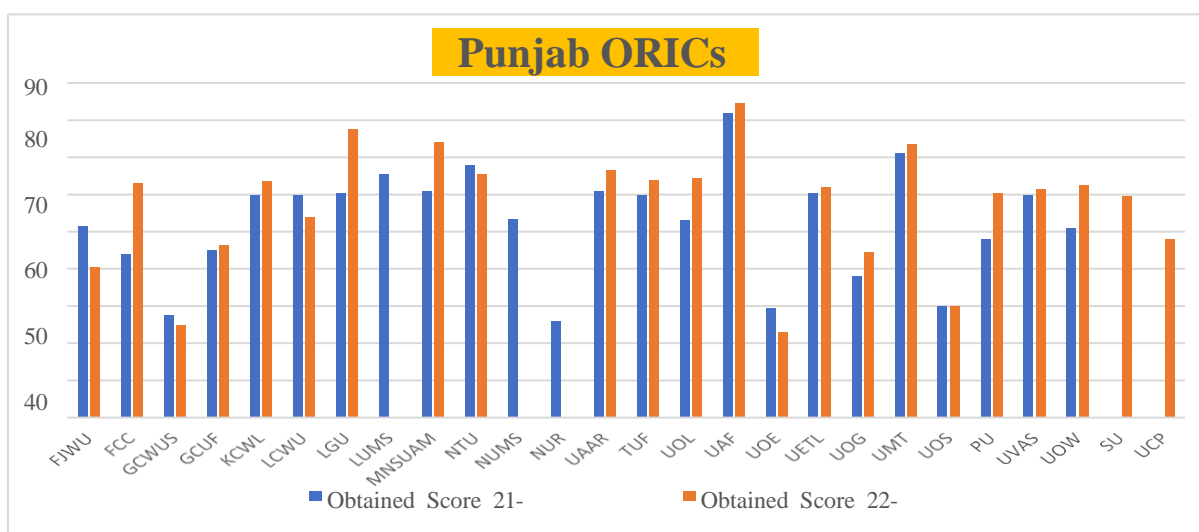
The following ranking criteria is used during the annual performance reviews:

Category	Score	University Overhead
W	80 and above	15%
X	60 to 79	10%
Y	40 – 59	05%
Non-Performing	Below 40	-

3.3 UCP-ORIC Scorecard submission to HEC for year 2022, 2023, and 2024

ORICs Assessment in FY 2022-2023:

The University of Central Punjab's Office of Research, Innovation, and Commercialization (UCP-ORIC) demonstrated commendable performance in the HEC's ORICs Assessment for the fiscal year 2022-2023. Out of 78 evaluated ORICs, UCP-ORIC secured the 34th position, placing it in the Y-Category with a total score of 48 marks. The office excelled in Human Resource and Operations, achieving a perfect score of 10 out of 10. In the areas of Research Excellence and Innovation and Commercialization, UCP-ORIC scored 14 out of 45 and 12.5 out of 30, respectively. Additionally, it showed strong performance in Sustainability and Capacity Building with 11.5 out of 15 marks. Overall, UCP-ORIC achieved 62.5% success rate in the assessment. This performance highlights UCP-ORIC's commitment to fostering research and innovation despite the competitive landscape.



UCP-ORIC secured the 34th Position (Y-Category) out of 78 universities UCP-ORIC secured 34th position.

	University of Central Punjab, Lahore	Total Score	Category Score Obtained	Y
A.	Human Resource and Operations	10	10	100%
B.	Research Excellence	45	14	31%
C.	Innovation and Commercialization	30	12.5	42%
D.	Sustainability and Capacity Building	15	11.5	77%
	Total	100	48	62.5%

ORIC Self-Assessment in FY 2023-2024:

In the ORICs Assessment for the fiscal year 2023-2024, the University of Central Punjab's Office of Research, Innovation, and Commercialization (UCP-ORIC) achieved a significant improvement, securing X through self-assessment. The office maintained its perfect score of 10 in Human Resource and Operations. It showed notable progress in Research Excellence, scoring 26 out of 45, and in Innovation and Commercialization, with 17.5 out of 30. Additionally, UCP-ORIC excelled in Sustainability and Capacity Building, achieving a full score of 15 out of 15. This overall performance reflects UCP-ORIC's dedication to enhancing its research and innovation capabilities, marking a substantial advancement from the previous year's assessment.

	University of Central Punjab, Lahore	Total Score	Score via Self-Assessment
A.	Human Resource and Operations	10	10
B.	Research Excellence	45	26
C.	Innovation and Commercialization	30	17.5
D.	Sustainability and Capacity Building	15	15
	Total	100	68.5

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CHAPTER

4

Research Excellence

Research is a tool for building knowledge and for facilitating learning. It plays a pivotal role in making universities competitive worldwide. Quality research enables universities to explore organizational and societal issues to identify or suggest solutions.



ORIC at UCP foster Research and

Development by creating a suitable research-oriented atmosphere where scholars can collaborate and develop cutting edge research-based technologies. With the aim of promoting and strengthening research culture in the university, Directorate of Research of UCP primarily design, develop, manage, and control process of Research, in order to develop a stimulating research environment at UCP through which faculty members can build their profile and career around impact & market-oriented research. In order to facilitate faculty and students regarding conducting research, the directorate formulates new policies and updates the existing ones. It also manages to conduct training workshops to equip the faculty and students with advanced research skills. In addition, the directorate continuously monitors the research output of faculty members via its own state of the art research portal. Also, the faculty members who become outstanding researchers are encouraged through a publication remuneration award.

UCP has expanded the dimensions of applied research and experimental development during the past year, redefining the scope and direction of its research efforts to provide creative solutions for social and industrial concerns. This action is consistent with the Chairman's goal of developing a vibrant community of researchers and students committed to helping our country and using their ingenuity and resourcefulness to solve challenging social and commercial issues. The research department of UCP is now closely allied with industry and policy in order to fulfill its proper place in Pakistan's national innovation system and to enhance its abilities for innovative as well as significant research output.

In addition, UCP is promoting transdisciplinary research across overlapping topics from other faculties through numerous projects. Research groups have been established for the objective of exchanging diverse knowledge and developing practical solutions to address social issues.

At UCP, the qualifications for a PhD degree and remuneration policies are being redesigned with a focus on publications that have an impact factor and are indexed by Scopus. Encouraging UCP researchers to publish in more famous publications is one of the main objectives of this, since it may eventually help the university's standing in Asia and worldwide rankings.

4.1 Research Goals

Research publications and journals serve several important goals in the academic and scientific community. Here are some key objectives and benefits associated with research publications and journals:

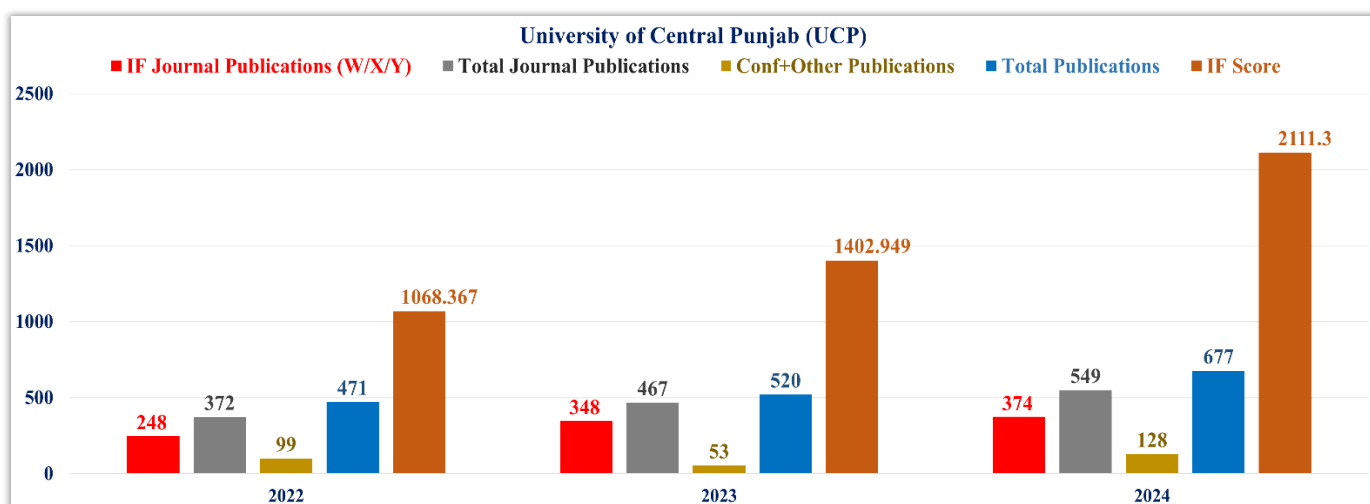
- ❖ Disseminating research results allows others in the field to build upon existing knowledge, fostering a cumulative and collaborative approach to scientific progress.
- ❖ Peer-reviewed publications help maintain the credibility of scientific work by subjecting it to critical evaluation by experts in the field.
- ❖ Publishing in reputable journals contributes to a researcher's professional standing, recognition, and career advancement.
- ❖ Allow researchers to participate in academic discussions, present their perspectives, and contribute to the development of theories, methodologies, and concepts.
- ❖ Publications are often essential for obtaining academic degrees, securing research grants, and meeting the criteria for academic promotion and tenure.
- ❖ Journals serve as archives of scientific knowledge, providing a historical record of research that can be accessed by future generations of scholars.
- ❖ Publications provide a benchmark for comparing research methodologies, results, and conclusions, allowing researchers to build on and refine existing approaches.

Overall, research publications and journals play a crucial role in advancing knowledge, fostering collaboration, and maintaining the integrity of the scientific process. They are integral to the growth and development of academic and scientific disciplines.

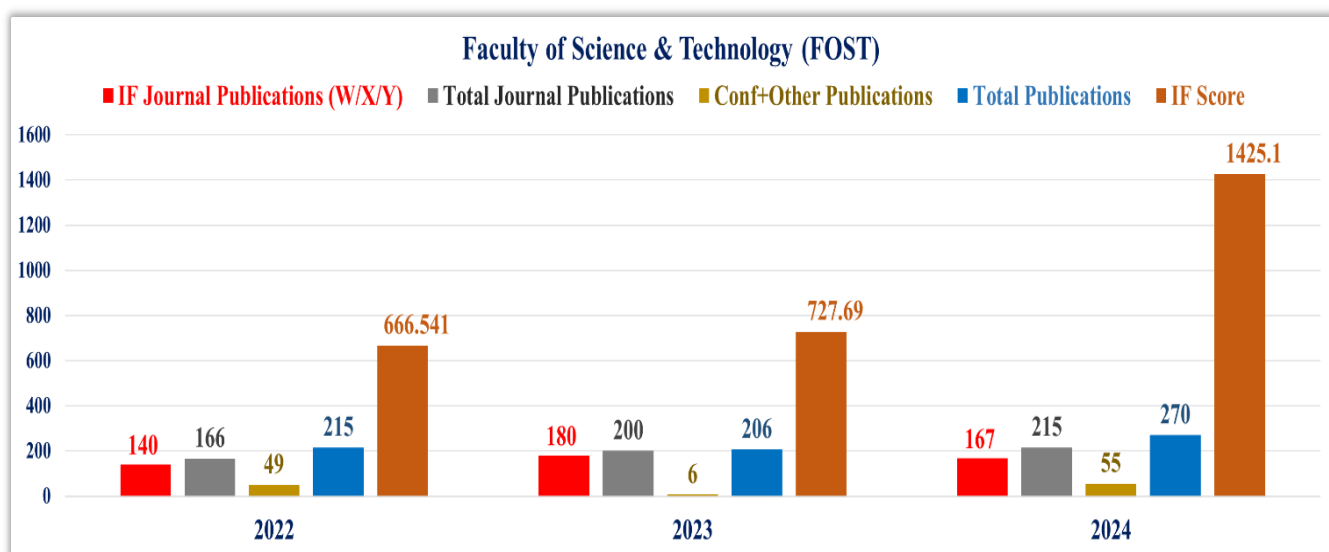
4.2 Research Annual Publications (2024)

Faculty members and students at UCP published 677 publications in 2024, of which 549 and 128 were journal papers and conference papers, respectively. Of these articles, 374 research papers were published in impact factor journals, which are regarded by the scientific community as the highest caliber and most reliable sources of research. These articles also result in citation impact; as of right now, sixteen UCP faculty members have cumulative impact factors over 100.

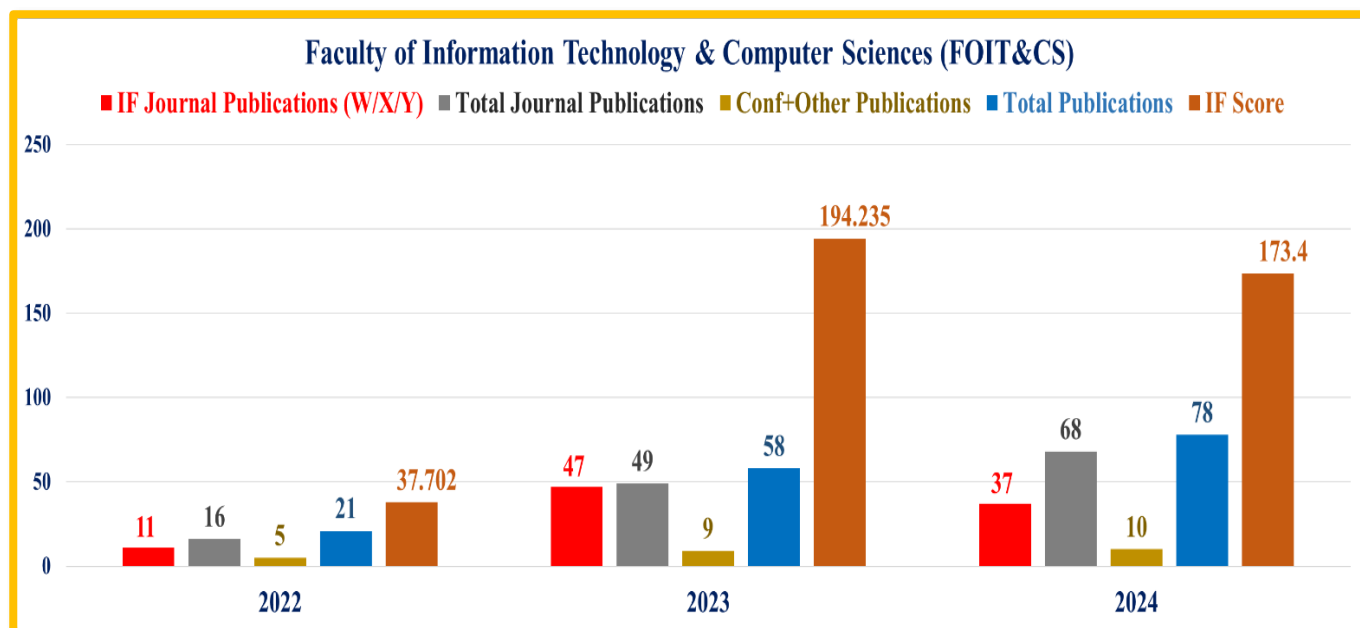
Research Publications Overview (2022-2024)



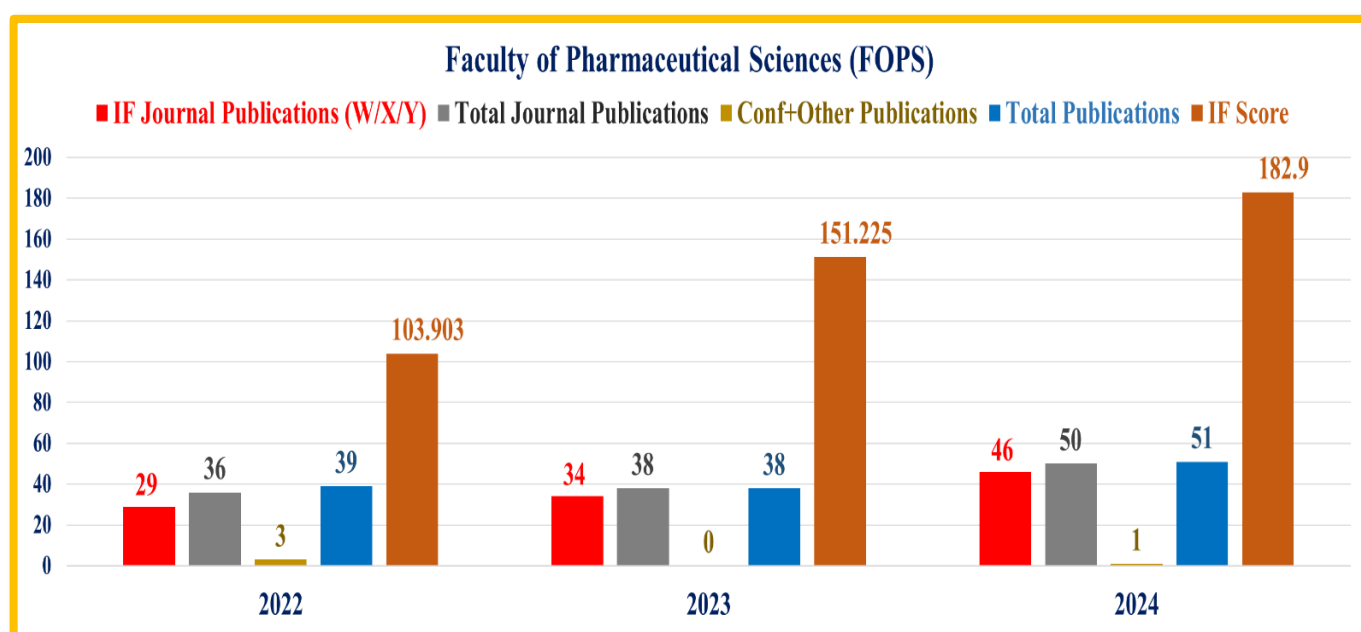
Research Publications Overview 2022-24 of Faculty of Science and Technology (FOST)



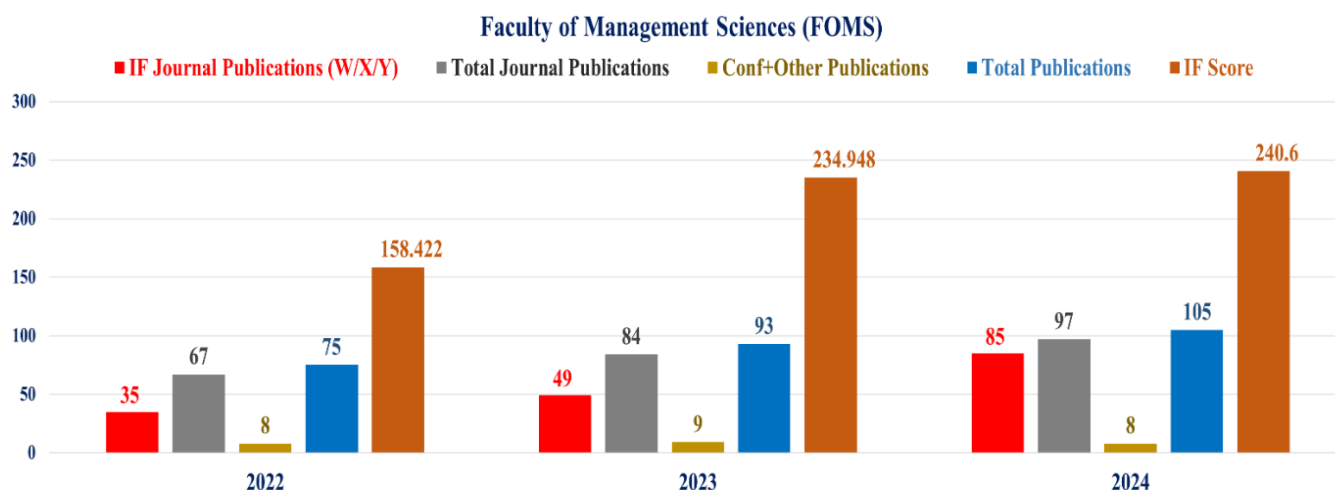
Research Publications Overview 2022-24 of Faculty of Information Technology and Computer Sciences (FOIT & CS)



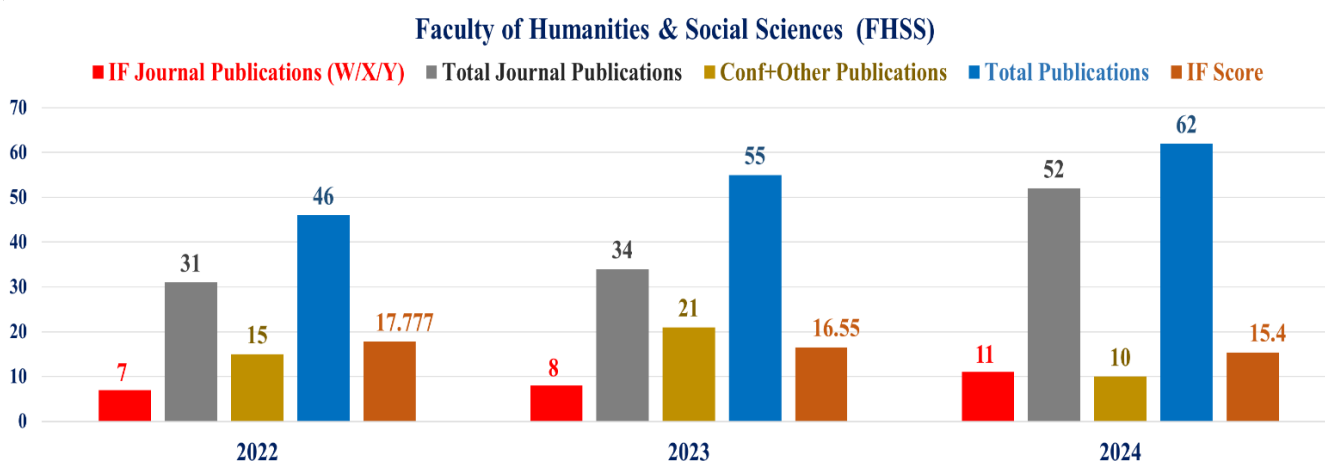
Research Publications Overview 2022-24 of Faculty of Pharmaceutical Sciences (FOPS)



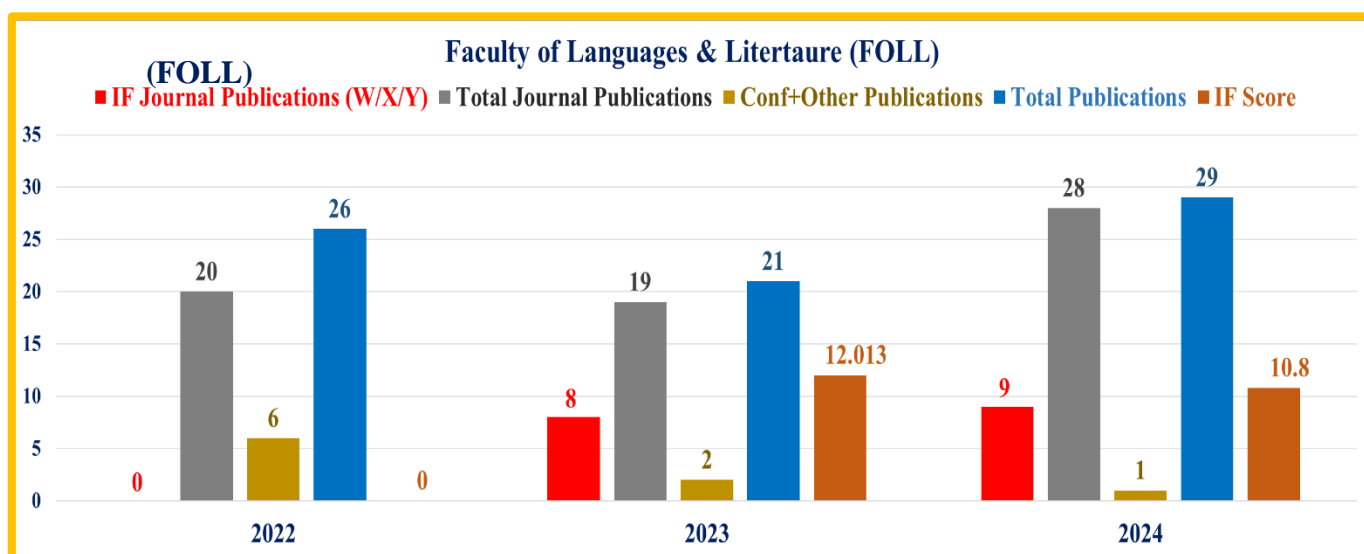
Research Publications Overview 2022-24 of Faculty of Management Sciences (FOMS)



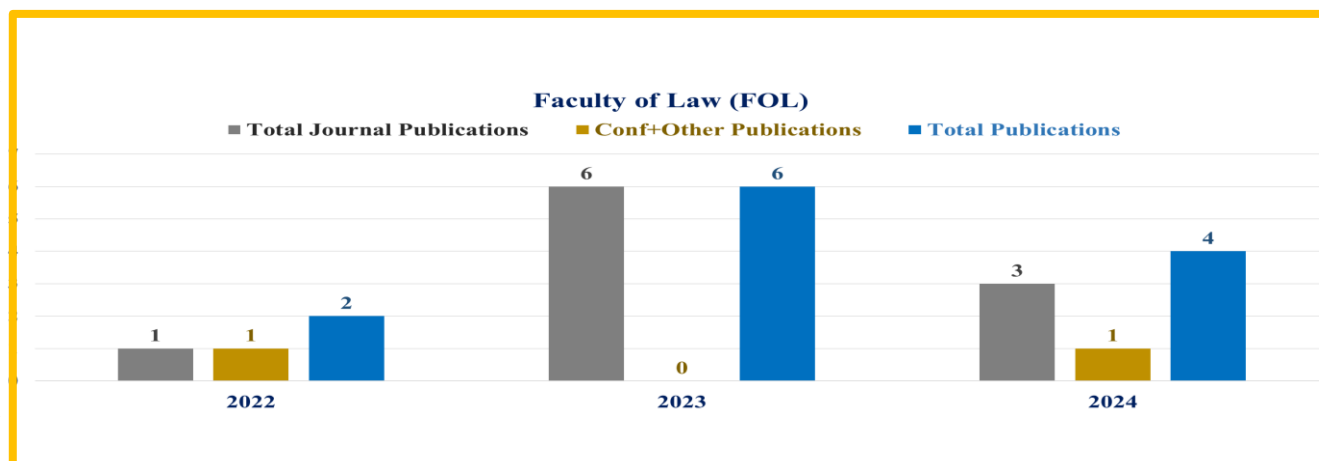
Research Publications Overview 2022-24 of Faculty of Humanities and Social Sciences (FHSS)



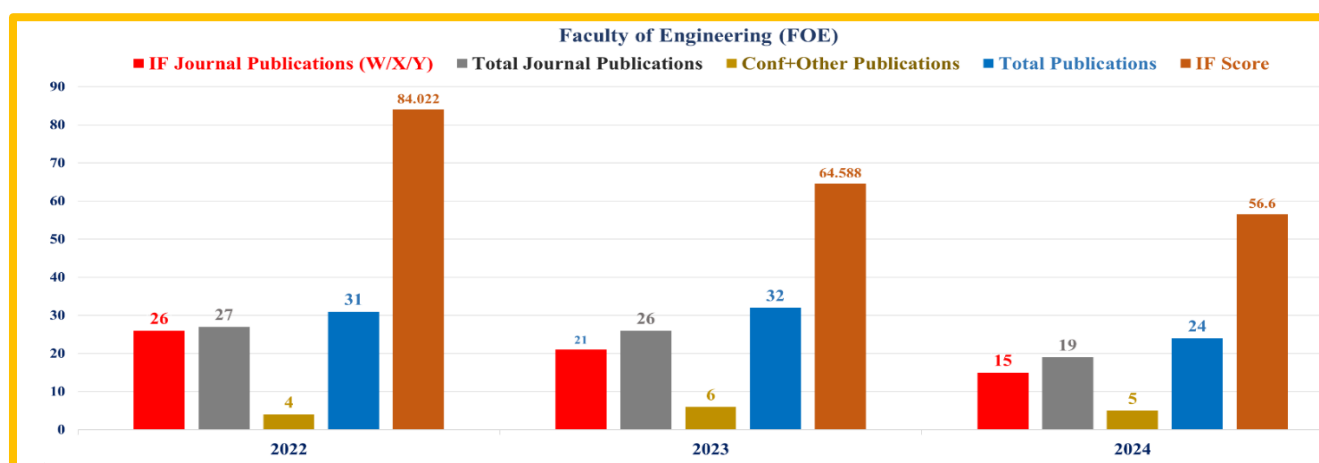
Research Publications Overview 2022-24 of Faculty of Languages and Literature



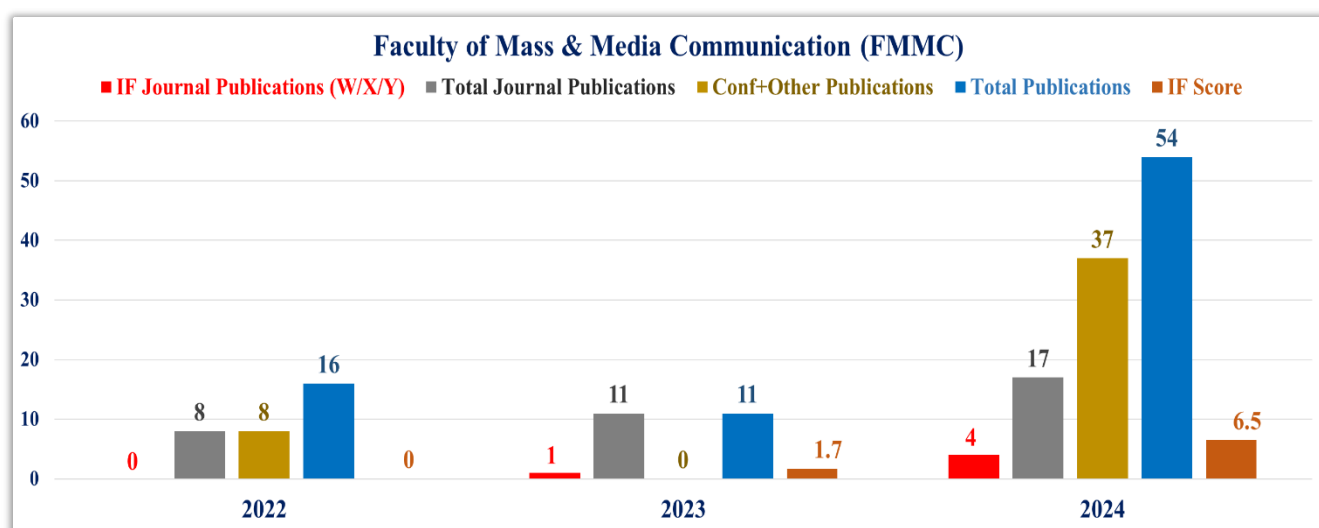
Research Publications Overview 2022-24 of Faculty of Law (FOL)



Research Publications Overview 2022-24 of Faculty of Engineering (FOE)



Research Publications Overview 2022-24 of Faculty of Media and Mass Communication (FMMC)



4.3 Faculty Wise Research Publications Detail for the Year 2024

1.Faculty of Science & Technology (FOST)

Sr. No	Faculty Member's Name	Publication Title	Journal	Category	Impact Factor	Year
1	Dr. Muhammad Naveed	Global burden of 288 causes of death and life expectancy decomposition in 204 countries and territories and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021	Lancet, the	W	98.4	2024
2	Dr. Muhammad Naveed	Global age-sex-specific mortality, life expectancy, and population estimates in 204 countries and territories and 811 subnational locations, 1950–2021, and the impact of the COVID-19 pandemic: a comprehensive demographic analysis for the Global Burden of Disease Study 2021	Lancet, the	W	98.4	2024
3	Dr. Muhammad Naveed	Burden of disease scenarios for 204 countries and territories, 2022–2050: a forecasting analysis for the Global Burden of Disease Study 2021	Lancet, the	W	98.4	2024
4	Dr. Muhammad Naveed	Global fertility in 204 countries and territories, 1950–2021, with forecasts to 2100: a comprehensive demographic analysis for the Global Burden of Disease Study 2021	Lancet, the	W	98.4	2024
5	Dr. Muhammad Naveed	Forecasting the effects of smoking prevalence scenarios on years of life lost and life expectancy from 2022 to 2050: a systematic analysis for the Global Burden of Disease Study 2021	Lancet Public Health, the	W	25.4	2024
6	Dr. Muhammad Naveed	The natural breakthrough: phytochemicals as potent therapeutic agents against spinocerebellar ataxia type 3	Scientific Reports	W	3.8	2024

7	Dr. Muhammad Naveed	Assessment of Melia azedarach Plant Extracts Activity Against Hypothetical Protein of Mycobacterium tuberculosis via GC-MS Analysis and In Silico Approaches	Journal of Computational Biophysics and Chemistry	Y	2	2024
8	Dr. Muhammad Naveed	Global, regional, and national progress towards the 2030 global nutrition targets and forecasts to 2050: a systematic analysis for the Global Burden of Disease Study 2021	Lancet, the	W	98.4	2024
9	Dr. Muhammad Naveed	Designing a novel chimeric multi- epitope vaccine subunit against Staphylococcus Argenteus through artificial intelligence approach integrating pan-genome analysis, in vitro identification, and immunogenicity profiling	Journal of Biomolecular Structure and Dynamics	X	2.7	2024
10	Dr. Muhammad Naveed	Development and immunological evaluation of an mRNA-based vaccine targeting Naegleria fowleri for the treatment of primary amoebic meningoencephalitis	Scientific Reports	W	3.8	2024
11	Dr. Muhammad Naveed	Biodegradation of PVCs through in- vitro identification of Bacillus albus and computational pathway analysis of ABH enzyme	Biodegradation	X	3.1	2024
12	Dr. Muhammad Naveed	Assessment of the whole genome sequencing of Lactiplantibacillus plantarum 13-3 for elucidation of novel bacteriocin producing gene cluster and confirmation of its potential probiotic functionality and safety applications	CYTA - Journal of Food	X	2	2024

13	Dr. Muhammad Naveed	Revolutionizing the virulent protein Internalin a in <i>Listeria monocytogenes</i> and designing multi epitope-based vaccine via immunoinformatic approaches	CYTA - Journal of Food	X	2	2024
14	Dr. Muhammad Naveed	Global, regional, and national burden of HIV/AIDS, 1990–2021, and forecasts to 2050, for 204 countries and territories: the Global Burden of Disease Study 2021	Lancet HIV, the	W	12.8	2024
15	Dr. Muhammad Naveed	Whole Genome Analysis of Tibetan Kefir-Derived <i>Lactiplantibacillus Plantarum</i> 12-3 Elucidates Its Genomic Architecture, Antimicrobial and Drug Resistance, Potential Probiotic Functionality and Safety	Frontiers in Bioscience-Landmark	Y	3.3	2024
16	Dr. Muhammad Naveed	An Aedes–Anopheles Vaccine Candidate Supplemented with BCG Epitopes Against the Aedes and Anopheles Genera to Overcome Hypersensitivity to Mosquito Bites	Acta Parasitologica	X	1.2	2024
17	Dr. Muhammad Naveed	Investigating the anti-cancer compounds from <i>Calliandra harrisii</i> for precision medicine in pancreatic cancer via in-silico drug design and GC-MS analysis	Zeitschrift für Naturforschung Section C Journal of Biosciences	X	1.8	2024
18	Dr. Muhammad Naveed	Designing a Multiepitope Vaccine against the Foodborne Pathogenic Bacteria <i>Listeria Monocytogenes</i> Using Subtractive Immuno informatics Approaches	Frontiers in Bioscience-Landmark	Y	3.3	2024
19	Dr. Muhammad Naveed	Spatially Resolved Transcriptomics Reveals Local Invasion-Related Genes in Liver Hepatocellular Carcinoma: Exploring the Therapeutic Potential of a Chimeric Protein Targeting Glypican-3	Journal of Computational Biophysics and Chemistry	Y	2	2024

20	Dr. Muhammad Naveed	Genotypic Profiling, Functional Analysis, Cholesterol-Lowering Ability, and Angiotensin I- Converting Enzyme (ACE) Inhibitory Activity of Probiotic Lactiplantibacillus plantarum K25 via Different Approaches	Probiotics and Antimicrobial Proteins	X	4.4	2024
21	Dr. Muhammad Naveed	Pharmacological evaluation and phytochemical profiling of butanol extract of L. edodes with in- silico virtual screening	Scientific Reports	W	3.8	2024
22	Dr. Muhammad Naveed	Mix-match synthesis of nanosynbiotics from probiotics and prebiotics to counter gut dysbiosis via AI integrated formulation profiling	Scientific Reports	W	3.8	2024
23	Dr. Muhammad Naveed	Global estimates on the number of people blind or visually impaired by Uncorrected Refractive Error: a meta-analysis from 2000 to 2020	Eye (0950-222X, 1476-5454)	W	2.8	2024
24	Dr. Muhammad Naveed	Optimizing the resveratrol fragments for novel in silico hepatocellular carcinoma de novo drug design	Scientific Reports	W	3.8	2024
25	Dr. Muhammad Naveed	Comparative analysis among the degradation potential of enzymes obtained from Escherichia coli against the toxicity of sulfur dyes through molecular docking	Zeitschrift fur Naturforsch Section C Journal of Biosciences	X	1.8	2024
26	Dr. Muhammad Naveed	Comparative toxicity assessment of fisetin-aided artificial intelligence- assisted drug design targeting epibulbar dermoid through phytochemicals	Open Chemistry	Y	2.1	2024
27	Dr. Muhammad Naveed	Integrated track of nano-informatics coupling with the enrichment concept in Developing a novel nanoparticle targeting E R K	Open Chemistry	Y	2.1	2024

		protein in <i>Naegleria fowleri</i>				
28	Dr. Muhammad Naveed	Transient comparison of techniques to counter multi-drug resistant bacteria: prime modules in curation of bacterial infections	Frontiers in Antibiotics	Non-Recognized	Non-Impact Factor	2024
29	Dr. Muhammad Naveed	Unveiling the whole genomic features and potential probiotic characteristics of Novel <i>Lactiplantibacillus plantarum</i> HMX2	Frontiers in Microbiology	W	4	2024
30	Dr. Muhammad Naveed	Green-synthesis of silver nanoparticles AgNPs from <i>Podocarpus macrophyllus</i> for targeting GBM and LGG brain cancers via NOTCH2 gene interactions	Scientific Reports	W	3.8	2024
31	Dr. Muhammad Naveed	Revolutionizing the probiotic functionality, biochemical activity, antibiotic resistance and specialty genes of <i>Pediococcus acidilactici</i> BCB1H via in- vitro and in-silico approaches	Zeitschrift fur Naturforsch - Section C Journal of Biosciences	X	1.8	2024
32	Dr. Muhammad Naveed	Redefining a new frontier in alkaptonuria therapy with AI-driven drug candidate design via in- silico innovation	Zeitschrift fur Naturforsch - Section C Journal of Biosciences	X	1.8	2024
33	Dr. Muhammad Naveed	Drug-use disorders in the Eastern Mediterranean Region: a glance at GBD 2019 findings	Social Psychiatry and Psychiatric Epidemiology	W	3.6	2024
34	Dr. Muhammad Naveed	The Prominence of the Broad-Spectrum Protease inhibitor gene A2ML1 as a potential biomarker in cervical cancer diagnostics using Immunotherapeutic and Multi-Omics approaches	International Immunopharmacology	W	4.8	2024

35	Dr. Muhammad Naveed	Evaluating the MDCK cell permeability of greenly synthesized bimetallic Ag/Zn Nanoparticles using leaf extract of Vallaris solanacea as a potential antipesticide-resistant agent	Zeitschrift fur Naturforsch - Section C Journal of Biosciences	X	1.8	2024
36	Dr. Muhammad Naveed	Natural AI-based drug designing by modification of ascorbic acid and curcumin to combat bupropion toxicity by using molecular dynamics study	Scientific Reports	W	3.8	2024
37	Dr. Muhammad Naveed	GC-MS analysis of Lactobacillus plantarum YW11 metabolites and its computational analysis on familial pulmonary fibrosis hub genes	Open Chemistry	Y	2.1	2024
38	Dr. Muhammad Naveed	Molecular identification of Proteus mirabilis, Vibrio species leading to CRISPR-Cas9 modification of tcpA and UreC genes causing cholera and UTI	Scientific Reports	W	3.8	2024
39	Dr. Muhammad Naveed	Global burden and strength of evidence for 88 risk factors in 204 countries and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021	Lancet, the	W	98.4	2024
40	Dr. Muhammad Naveed	Computational biology assisted exploration of phytochemicals derived natural inhibitors to block BZLF1 gene activation of Epstein–Bar virus in host	Scientific Reports	W	3.8	2024
41	Dr. Muhammad Naveed	Rational computational design and development of an immunogenic multi-epitope vaccine incorporating transmembrane proteins of Staphylococcus lugdunensis Phosphoribosyl Transferase with Dibutyl Phthalate	International Immunopharmacology and Chemistry	W	4.8	2024

43	Dr. Muhammad Naveed	Characterization of mercury ameliorating rhizobacteria for enhancing growth and yield of Triticum aestivum L. in the field: An in-vitro and in-silico study	South African Journal of Botany	W	2.7	2024
44	Dr. Muhammad Naveed	Transcriptomic Analysis for Elucidating the Therapeutic Potential of Sitagliptin Against the Identified TOP2A/UBE2C/CKS2 Genes as Mutually Inclusive Theragnostic Signatures of Bladder and Prostate Cancer	Journal of Computational Biophysics and Chemistry	Y	2	2024
45	Dr. Muhammad Naveed	Exploring the Genetic and Molecular Connection between Autism and Huntington's Disease via Transcriptomics and Biological Interaction Networks Analysis	Journal of Computational Biophysics and Chemistry	Y	2	2024
46	Dr. Muhammad Naveed	An in-silico approach uncovering the competency of oncolytic human adenovirus 52 for targeted breast cancer virotherapy	Scientific Reports	W	3.8	2024
47	Dr. Muhammad Naveed	Innovative Approach of High-Throughput Screening in the Drug Discovery Quest for Chronic Bronchitis Treatment	Journal of Computational Biophysics and Chemistry	Y	2	2024
48	Dr. Muhammad Naveed	CRISPR-Cas9 guided RNA-based model for the silencing of spinal bulbar muscular atrophy: A functional genetic disorder	Cellular and Molecular Biology	Y	Non-Impact Factor	2024
49	Dr. Muhammad Naveed	Designing an mRNA Vaccine against P. jirovecii Involved in Fatal Pneumonia Infections via Comparative Proteomics and Reverse Vaccinology Approaches	Frontiers in Bioscience-Landmark	Y	3.3	2024

50	Dr. Muhammad Naveed	Integrating 16S rRNA profiling and in-silico analysis for an epitope- based vaccine strategy against <i>Achromobacter xylosoxidans</i> infection	International Immunopharmacology	W	4.8	2024
51	Dr. Muhammad Naveed	Burden of disease scenarios for 204 countries and territories, 2022–2050: a forecasting analysis for the Global Burden of Disease Study 2021	Lancet, the	W	98.4	2024
52	Dr. Muhammad Naveed	Global fertility in 204 countries and territories, 1950–2021, with forecasts to 2100: a comprehensive demographic analysis for the Global Burden of Disease Study 2021	Lancet, the	W	98.4	2024
53	Dr. Muhammad Naveed	In-vitro Isolation of <i>Serratia marcescens</i> and Computational Analysis of Lipase-Chitinase as a Hybrid Enzyme for the Degradation of Fungicides to Sustain the Ecosystem	Journal of Computational Biophysics and Chemistry	Y	2	2024
54	Dr. Muhammad Naveed	Spatially Resolved Transcriptomic Profiling of PRAME Oncogene Expression in Skin Cutaneous Melanoma: Elucidating Dermato- Oncology Therapy through Molecular Docking	Journal of Computational Biophysics and Chemistry	Y	2	2024
55	Dr. Sumera Zaib	Probiotics and their Beneficial Health Effects	Mini- Reviews in Medicinal Chemistry	X	Non-Impact Factor	2024

57	Dr. Sumera Zaib	Cooperative assemblies featuring hydrogen bonding and Csingle bond H... π interactions in 2-(methanesulfonamido) benzohydrazide derivatives: Experimental, computational and biochemical assessment	Journal of Molecular Structure	W	3.8	2024
58	Dr. Sumera Zaib	Acyl pyrazole sulfonamides as new antidiabetic agents: synthesis, glucosidase inhibition studies, and molecular docking analysis	Frontiers in Chemistry	W	5.5	2024
59	Dr. Sumera Zaib	Targeting carbonic anhydrases II/IX/XII with novel series of coumarin-based compounds: Synthesis, biological activity and molecular dynamics analysis	Journal of Molecular Structure	W	3.8	2024
60	Dr. Sumera Zaib	An evaluation of inflammatory and endothelial dysfunction markers as determinants of peripheral arterial disease in those with diabetes mellitus	Scientific Reports	W	3.8	2024
61	Dr. Sumera Zaib	Synergistic effect of hydrogen bonding and C–H... π interactions to modulate the supramolecular assemblies of isobenzofuranones: X- ray crystallography, DFT analysis and antihyperglycemic potential	Journal of Molecular Structure	W	4	2024
62	Dr. Sumera Zaib	Nutritional and Health Benefits of Cereals and Grains	Current Nutrition and Food Science	Y	0.8	2024
63	Dr. Sumera Zaib	Supramolecular networks featuring diverse array of noncovalent interactions in crystals of hydrazinylidene-benzothiazinediones: X-ray crystallographic, DFT and biochemical analysis	Journal of Molecular Structure	W	3.8	2024
64	Dr. Sumera Zaib	Synthesis, Glucosidase Inhibition, and In Silico Modeling Analysis of Highly Fluorinated 2 - Imino-1,3-	ACS Omega	W	4.1	2024

		thiazolines in Search of Potent Antidiabetic Agents				
65	Dr. Sumera Zaib	Synthesis and biological evaluation of pyridylpiperazine hybrid derivatives as urease inhibitors	Frontiers in Chemistry	W	5.5	2024
66	Dr. Sumera Zaib	Energetic features of H-bonded and antiparallel π -stacked supramolecular assemblies in pyrazolones: Experimental, computational and biological analyses	Journal of Molecular Structure	W	4	2024
67	Dr. Sumera Zaib	Hydrogen bonding, halogen bonding and C–H... π interactions governing the supramolecular architecture of 1-(4-(4-bromophenyl)piperazin-1-yl)-2-chloroethan-1-one: Insights from X-ray crystallography, DFT calculations and urease inhibitory assessment	Journal of Molecular Structure	W	4	2024
68	Dr. Sumera Zaib	Exploration of morpholine-thiophene hybrid thiosemicarbazones for the treatment of ureolytic bacterial infections via targeting urease enzyme: Synthesis, biochemical screening and computational analysis	Frontiers in Chemistry	W	5.5	2024
69	Dr. Sumera Zaib	Fabrication and evaluation of anticancer potential of diosgenin Incorporated chitosan-silver nanoparticles; in vitro, in silico and in vivo studies	International Journal of Biological Macromolecules	W	8.2	2024

70	Dr. Sumera Zaib	Therapeutic Chemoresistance in Ovarian Cancer: Emerging Hallmarks, Signaling Mechanisms and Alternative Pathways	Current Medicinal Chemistry	W	4.1	2024
71	Dr. Sumera Zaib	Design and discovery of urease and Helicobacter pylori inhibitors based on benzofuran/benzothiophene-sulfonate and sulfamate scaffolds for the treatment of ureolytic bacterial infections	International Journal of Biological Macromolecules	W	8.2	2024
72	Dr. Sumera Zaib	Purinergic Signaling and its Role in the Stem Cell Differentiation	Mini- Reviews in Medicinal Chemistry	X	Non-Impact Factor	2024
73	Dr. Sumera Zaib	Synthesis, characterization, pharmacological and computational evaluation of hyaluronic acid modified chebulinic acid encapsulated chitosan nanocomposite for cancer therapy	International Journal of Biological Macromolecules	W	8.2	2024
74	Dr. Sumera Zaib	Mutational analysis of consanguineous families and their targeted therapy against dwarfism	Journal of Biomolecular Structure and Dynamics	W	4.4	2024
75	Dr. Sumera Zaib	Effect of Magnesium Sulphate on Optic Nerve Sheath Diameter as an Indirect Measure of Intra-Cranial Pressure: A Case Study of Eclampsia Patients	Annals of King Edward Medical University	Y	Non-Impact Factor	2024
76	Dr. Sumera Zaib	Hyaluronic acid functionalized chitosan nanoparticles for the delivery of ellagic acid to breast cancer cells: Fabrication, characterization and pharmacological assessment	Journal of Drug Delivery Science and Technology	W	4.5	2024

77	Dr. Sumera Zaib	Regioselective metal-free synthesis of sulfostyryl-quinoline hybrid framework: Experimental and computational mechanistic insights	Journal of Molecular Structure	W	4	2024
79	Dr. Sumera Zaib	Pyridylpiperazine-based carbodithioates as urease inhibitors: synthesis and biological evaluation	Frontiers in Chemistry	W	5.5	2024
80	Dr. Sumera Zaib	Design and discovery of anthranilamide derivatives as a potential treatment for neurodegenerative disorders via targeting cholinesterases and monoamine oxidases	International Journal of Biological Macromolecules	W	8.2	2024
81	Dr. Sumera Zaib	Knowledge, Attitude and Practices Towards Breast Cancer Screening among Female Physicians from Tertiary Care Centre in Pakistan Policies	Avicenna Journal of Health Sciences (3007- 1720, 3007-1739)	Non-Reco gn.	Non-Impact Factor	2024
82	Prof. Dr. Muhammad Akhyar Farrukh	Optimization of lead (II) and chromium (VI) adsorption using graphene oxide/ZnO/chitosan nanocomposite by response surface methodology	Applied Surface Science	W	6.7	2024
83	Prof. Dr. Muhammad Akhyar Farrukh	Algal macromolecular mediated synthesis of nanoparticles for their application against citrus canker for food security	International Journal of Biological Macromolecules	W	8.2	2024
84	Prof. Dr. Muhammad Akhyar Farrukh	Enhancing the photocatalytic efficiency of green synthesized MoO ₃ and MnO nanoparticles by making heterojunction with graphene oxide	Journal of the Taiwan Institute of Chemical Engineers	W	5.5	2024
85	Prof. Dr. Muhammad Akhyar Farrukh	Citrus limetta essential oil mediated synthesis of Dy ₂ O ₃ /Eu ₂ O ₃ /rGO nanocomposite for the Removal of ciprofloxacin	Materials Science and Engineering B: Solid- State Materials for Advanced	W	3.6	2024

		under irradiation of visible and UV light	Technology			
86	Prof. Dr. Muhammad Akhyar Farrukh	pH-dependent synthesis of CeO ₂ - ZnO nanocomposite for enhanced environmental remediation of endosulfan and dimethoate pesticides	Journal of Molecular Structure	W	3.8	2024
87	Prof. Dr. Muhammad Akhyar Farrukh	Polymer-assisted synthesis of ternary magnetic graphene oxide nanocomposite for the adsorptive removal of Cr (VI) and Pb (II) ions	Heliyon	W	3.4	2024
88	Prof. Dr. Muhammad Akhyar Farrukh	Elucidating the structural, catalytic, and antibacterial traits of Ficus carica and Azadirachta indica leaf extract-mediated synthesis of the Ag/CuO/rGO nanocomposite	Microscopy Research and Technique	W	2.5	2024
89	Prof. Dr. Muhammad Akhyar Farrukh	Graphene oxide-mediated green synthesis of Ag, Co ₃ O ₄ and ZnO Nanocomposites for multifunctional antimicrobial applications	Journal of Sol-Gel Science and Technology	X	2.3	2024
90	Prof. Dr. Muhammad Akhyar Farrukh	Advanced Machine Learning Algorithms for Accurate Prediction of Band Gaps in Rare Earth Metal Oxides Nanoparticles	ES Energy & Environment (ESEE)	Non-Reco gn.	Non-Impact Factor	2024
91	Dr. Hafiz Rizwan Sharif	Optimization of Extraction Process and Estimation of Flavonoids from Fenugreek Using Green Extracting Deep Eutectic Solvents Coupled with Ultrasonication	Food and Bioprocess Technology	W	5.3	2024
92	Dr. Hafiz Rizwan Sharif	New Insights into Health-Promoting Effects of Nobiletin from Citrus Fruits	Food Reviews International	W	5.8	2024
93	Dr. Hafiz Rizwan Sharif	Ultrasonication-assisted deep eutectic solvent extraction of flavonoids	Journal of Food Measurement and Characterization	W	3.4	2024

		from pretreated fenugreek and their antidiabetic & hypo- lipidemic potential				
94	Dr. Hafiz Rizwan Sharif	Preparation, Characterization, and Controlled Release of Fenugreek Seed Extract-Loaded Nanoliposomes with Chitosan Surface Decoration	Food and Bioprocess Technology	W	5.3	2024
95	Dr. Hafiz Rizwan Sharif	A Study of Association Among Body Composition and Khat Chewing Among the Employees of University of Science and Technology, Sana'a, Yemen	Electronic Journal of University of Aden for Basic and Applied Sciences (EJUA- BA)	Non-Recogn.	Non-Impact Factor	2024
96	Dr. Hafiz Rizwan Sharif	Compositional profiling and bioefficacy studies of pulses-supplemented isocaloric designer biscuits For recently diagnosed diabetic individuals	Food Chemistry : X	W	6.1	2024
97	Dr. Hafiz Rizwan Sharif	Investigation of Bacterial Contaminants and Their Antibiotic Susceptibility on Yemeni Banknotes in Aden City, Yemen	UST Journal for Medical Sciences	Non-Recogn.	Non-Impact Factor	2024
98	Dr. Hafiz Rizwan Sharif	A Comprehensive Review on Exploring the Nutraceutical Potential and Industrial Applications of Peach Waste	Food Reviews International	W	5.8	2024
99	Dr. Hafiz Rizwan Sharif	Editorial: Exploiting the potential of native and modified legume proteins for the development of functional foods	Frontiers in Nutrition	W	4	2024
100	Dr. Hafiz Rizwan Sharif	Preventive Role of Soluble Dietary Fiber Against Inflammatory and Life Style Related Diseases	RADS Journal of Food Biosciences	Non-Recogn.	Non-Impact Factor	2024

101	Dr. Khalida Naseem	Biogenic synthesized nanocatalysts and their potential for the treatment of toxic pollutants: environmental remediation, a review	International Journal of Environmental Science and Technology	W	3	2024
102	Dr. Khalida Naseem	Inorganic nanoparticles fabricated alginate-based nanocomposites for the treatment of brilliant blue dye	Journal of Molecular Structure	W	4	2024
103	Dr. Khalida Naseem & Dr Sadia Zulfiqar	Herbal Shampoo Formulations, Their Assessment for Hair Cleaning and Antifungal Action	Xi'an Shiyou Daxue Xuebao (Ziran Kexue Ban)/Journal of Xi'an Shiyou University, Natural Sciences Edition	X	Non-Impact Factor	2024
104	Dr. Khalida Naseem	Bioinorganic metal nanoparticles and their potential applications as antimicrobial, antioxidant and catalytic agents: a review	Reviews in Inorganic Chemistry	X	4.1	2024
105	Dr. Khalida Naseem	Polyurethane-based nanocomposite for catalytic reduction of toxic dyes	Polymers for Advanced Technologies	W		2024
106	Dr. Khalida Naseem	Inorganic nanoparticles as a potential catalyst for the reduction of Rhodamine B dye: A critical review	Inorganic Chemistry Communications (1387-7003)	X	4.4	2024
107	Dr. Khalida Naseem	Facile green synthesis of Phyllanthus emblica extract based Ag-NPs for antimicrobial and response surface methodology based catalytic reduction applications	Journal of Cleaner Production	W	9.8	2024
108	Dr. Muhammad Perviaz	Synthesis, in vitro acetylcholinesterase, butyrylcholinesterase activities and molecular docking study of 1,3-oxathiol-2-imine derivatives	Chemical Data Collections	Y	2.1	2024

109	Dr. Muhammad Perviaz	Biochemical and computational inhibition of α -glucosidase by novel metronidazole-linked 1H-1,2,3-triazole and carboxylate moieties: kinetics and dynamic investigations	Journal of Biomolecular Structure and Dynamics	W	4.4	2024
110	Dr. Muhammad Perviaz	Degradation Efficiency of Organic Dyes on CQDs As Photocatalysts: A Review	ACS Omega	W	4.1	2024
111	Dr. Salma Batool	A Novel Enterococcus-Based Nanofertilizer Promotes Seedling Growth and Vigor in Wheat (<i>Triticum aestivum</i> L.)	Plants	W	4	2024
112	Dr. Salma Batool & Ammara Masood	Molecular Targets of Plant-based Alkaloids and Polyphenolics in Liver and Breast Cancer- An Insight into Anticancer Drug Development	Anti- Cancer Agents in Medicinal Chemistry	X	2.6	2024
113	Dr. Salma Batool	A decade of progress in rhizoengineering to exploit plant microbiome for salt stress amelioration	Plant Stress		Non-Impact Factor	2024
114	Dr. Salma Batool & Muhammad Awais	Strategies for Crossing Biological Barriers in Drug Delivery	Proceedings of the National Academy of Sciences, India Section B: Biological Sciences	Y	Non-Impact Factor	2024
115	Dr. Salma Batool	Identification and in silico functional characterization of a Ghnac29-like transcription factor in response to abiotic stress tolerance in cotton	Gene Reports	Y	Non-Impact Factor	2024
116	Dr. Sadaf Hameed	Can nanotechnology and genomics innovations Trigger agricultural revolution and sustainable development?	Functional & Integrative Genomics	X	3.9	2024

117	Dr. Hira Mubeen	Insights into AlphaFold's breakthrough in neurodegenerative diseases	Irish Journal of Medical Science	W	2.1	2024
118	Dr. Hira Mubeen	Rare homozygous cilia gene variants identified in consanguineous congenital heart disease patients	Human Genetics	W	3.8	2024
119	Dr. Hira Mubeen	Multi-omic analysis of dysregulated pathways in triple negative breast cancer	Asia- Pacific Journal of Clinical Oncology	X	1.9	2024
120	Dr. Hira Mubeen	The Prevalence of Periodontal Disease in Different Age Groups and Different Populations of Pakistan	Pakistan Journal of Scientific and Industrial Research Series A: Physical Sciences	Y	Non-Impact Factor	2024
121	Dr. Ayesha Murtaza	Mechanism of the Abnormal Softening of Banana Pulp Induced by High Temperature and High Humidity During Postharvest Storage	Food and Bioprocess Technology	W	5.6	2024
122	Dr. Ayesha Murtaza	Widely targeted metabolomics analysis reveals the potential metabolic network of high-pressure carbon dioxide regulating fresh-cut Chinese water chestnut yellowing	Food Bioscience	W	5.2	2024
123	Dr. Ayesha Murtaza	Comparative evaluation of ethylene oxide, electron beam and gamma irradiation treatments on commonly cultivated red chilli cultivars (Kunri and Hybrid) of Sindh, Pakistan	Heliyon	W	4	2024
124	Dr. Ayesha Murtaza	Cyclic variable temperature conditioning induces the rapid sweetening of sweet potato tuberous roots by regulating the sucrose metabolism	Food Chemistry	W	8.8	2024

125	Dr. Ayesha Murtaza	Development and characterization of locally prepared Aloe Vera juice and its functional potential against Hyperlipidemia	Pakistan Journal of Agricultural Sciences	X	0.8	2024
126	Dr. Muhammad Sajid Manzoor	Rapid and non-destructive determination of total phenolic contents using UV–NIR spectroscopy of dehydrated mushroom (<i>Lentinus edodes</i>)	Journal of Food Process Engineering	W	2.7	2024
127	Dr. Muhammad Sajid Manzoor	Effect of probiotic incorporation on physicochemical attributes of yogurt during storage and influence on cholesterol assimilation	Journal of Food Science	W	3.2	2024
128	Dr. Madiha Khan	Development of Poly (vinyl alcohol)–Chitosan Composite Nanofibers for Dual Drug Therapy of Wounds	ACS Omega	W	3.7	2024
129	Dr. Madiha Khan	Evaluation and Molecular Characterization of Colistin-Resistant Isolates of <i>Pseudomonas aeruginosa</i> and <i>Klebsiella pneumoniae</i> from the Infected Wounds of Hospitalized Patients	Journal of Microbiology and Biotechnology	W	2.5	2024
130	Dr. Madiha Khan	Metal nanoparticles loaded polyurethane nano-composites and their catalytic/antimicrobial applications: a critical review	Reviews in Chemical Engineering	W	4.9	2024
131	Dr. Mohsin Gulzar Barq	Informal E-Waste Recycling in Nine Cities of Pakistan Reveals Significant Impacts on Local Air and Soil Quality and Associated Health Risks	Environmental Pollution	W	7.6	2024
132	Dr. Mohsin Tassawar Cheema	Fermentation, purification and in-vitro evaluation of antimicrobial, antitumor and antioxidant compounds from a himalayan actinobacteria strain	Pakistan Journal of Biotechnology	Y	Non-Impact Factor	2024

		streptomyces sp. Pu- ak14				
133	Dr. Saba Kabir	Risk factors associated with the infectivity and severity of covid-19 infection	Journal of Population Therapeutics and Clinical Pharmacology	X	Non-Impact Factor	2024
134	Dr. Dilawar Hussain	Hepatitis C virus infection and its correlation with multiple risk factors in local population of Gujranwala Pakistan	UCP Journal of Science & Technology	Non-Recognized	Non-Impact Factor	2024
135	Dr. Dilawar Hussain	Serological effects of cypermethrin on the kidneys of rabbit (<i>Oryctolagus cuniculus</i>)	Journal of Zoology and Systematics	Non-Recognized	Non-Impact Factor	2024
136	Dr. Dilawar Hussain	Modulatory Potential of Selenium Supplementations on the Growth, Nutrients Profile and Regulation of Antioxidant Status of Striped Catfish (<i>Pangasius Hypophthalmus</i>)	Journal of Zoology and Systematics	Non-Recogn.	Non-Impact Factor	2024
137	Dr. Dilawar Hussain	Effects of Synthetic Hormones on Fertilization, Fecundity, Hatching and Gonado-Somatic Index of Giant Snakehead (<i>Channa Marulius</i>) in Captivity	Journal of Zoology and Systematics	Non-Recognized	Non-Impact Factor	2024
138	Dr. Dilawar Hussain	Dietary Vitamin C Fortification Enhances the Growth Performance, Hematological Status, Defensive Antioxidant Enzymes, and Resistance Against <i>Aeromonas Hydrophila</i> Infection for Bullseye Snakehead (<i>Channa marulius</i>)	Journal of Zoology and Systematics	Y	Non-Impact Factor	2024
139	Dr. Amina Arif	Tailoring molecular recognition in predesigned multifunctional enzyme mimicking porphyrin imprinted interface for high affinity and differential selectivity; sensing etoposide in lung cancer patients	Biosensors and Bioelectronics	W	10.7	2024

140	Dr. Amina Arif	Detection and removal of seasonal aflm1 occurrence in various milk samples collected from different shops of Lahore	Chelonian Conservation and Biology	X	0.9	2024
141	Dr. Amina Arif	Discovering the anti-diabetic potential of pomegranate peel metabolites by examining molecular interplay with the thioredoxin-interacting protein	Frontiers in Medicine	W	3.1	2024
142	Dr. Amina Arif	Bioactive compounds isolated from Solanum nigrum remarkably inhibit cancerous activity in cancer cell lines	South African Journal of Botany	W	2.7	2024
143	Dr. Amina Arif	Identification of bioactive constituents in indigenously grown Calotropis gigantea and Moringa oleifera fractions by HPLC	Acta Scientiarum. Biological Sciences	Non-Recognized	Non-Impact Factor	2024
144	Dr. Amina Arif	Genetic analysis of hemochromatosis and its impact on liver function in the population of Lahore, Pakistan	Xi'an Shiyou Daxue Xuebao (Ziran Kexue Ban)/Journal of Xi'an Shiyou University, Natural Sciences Edition	X	Non-Impact Factor	2024
145	Dr. Amina Arif	Unveiling the Molecular Landscape of Dandy-Walker Syndrome	History of Medicine Journal	X	0.6	2024
146	Dr. Amina Arif	Therapeutic effects of salvadora persica Extracts against sarcoptes scabiei var. Hominis and their secondary infections	Journal of Population Therapeutics and Clinical Pharmacology	X	Non-Impact Factor	2024

147	Dr. Amina Arif	Distribution of abo and rh blood groups among type- II diabetic patients in population of Lahore, Pakistan	European Chemical Bulletin	Y	Non-Impact Factor	2024
148	Dr. Amina Arif	Impact Of Acetylsalicylic Acid Foliar Application and Sowing Dates on Cucumber Growth	Journal of Survey in Fisheries Sciences	Y	Non-Impact Factor	2024
149	Dr. Amina Arif	Possible Solutions to the Associated Cytotoxicity of Silver Nanoparticles	Journal of Survey in Fisheries Sciences	Y	Non-Impact Factor	2024
150	Dr. Amina Arif	A multifunctional N-GO/PtCo nanocomposite bridged carbon fiber interface for the electrochemical aptasensing of CA15-3 oncomarke	Analytical Biochemistry	X	2.6	2024
151	Dr. Muhammad Afzal	Pharmacological evaluation and phytochemical profiling of butanol extract of L. edodes with in- silico virtual screening	Scientific Reports	W	3.8	2024
152	Dr. Muhammad Afzal	Characterization, Synthesis, and Biological Activities of Silver Nanoparticles Produced via Green Synthesis Method Using Thymus Vulgaris Aqueous Extract	International Journal of Nanomedicine	W	6.6	2024
153	Dr. Muhammad Riaz	Structural and functional nanocrystalline materials: A Review	International Journal of Chemical and Biochemical Sciences	Y	Non-Impact Factor	2024
154	Dr. Muhammad Riaz	Evolution of olive farming, industry, and usage in Pakistan: A comprehensive review	Journal of Agriculture and Food Research	W	4.8	2024

155	Dr. Muhammad Riaz	Unveiling the chemical profile, synergistic antibacterial and hemolytic effects of <i>Cymbopogon citratus</i> and <i>Tachyspermum ammi</i> leaves	Biocatalysis and Agricultural Biotechnology	W	3.4	2024
156	Dr. Asma Zafar	Cloning, purification, and functional characterization of recombinant pullulanase from <i>Bacillus cereus</i> ATCC 14579 for improved detergent performance	Journal of Surfactants and Detergents	X	1.6	2024
157	Dr. Asma Zafar	Heterologous expression and characterization of a novel thermostable and alkali stable recombinant lipase enzyme from <i>Bacillus thuringiensis</i> into <i>E. coli</i> BL21(DE3) for detergent formulation	Journal of Surfactants and Detergents	X	1.6	2024
158	Dr. Zain Ul Abadin Zafar	A note on weakly σ -n-embedded subgroups of σ -full groups	Ricerche di Matematica	X	1.2	2024
159	Dr. Zain Ul Abadin Zafar	The analysis of a new fractional model to the Zika virus infection with mutant	Heliyon	W	4	2024
160	Dr. Zain Ul Abadin Zafar	Multi-type solitary wave solutions of Korteweg–de Vries (KdV) equation	International Journal of Modern Physics B	X	2.6	2024
161	Dr. Nazish Rubab	Air traffic monitoring using optimized ADS-B CubeSat constellation	Astrodynamic	W	2.7	2024
162	Dr. Aatif Amin	Isolation and screening of yeast strains for bioethanol production using sugar molasses and lignocellulose biomass	Journal of Population Therapeutics and Clinical Pharmacology	X	Non-Impact Factor	2024

163	Dr. Tanzeela Riaz	Comparative effectiveness of deltamethrin, imidacloprid and emamectin benzoate alone and in binary blends to control <i>Trogoderma granarium</i> : Effect on macronutrients	Journal of Stored Products Research	W	2.7	2024
164	Dr. Tanzeela Riaz	Sublethal Doses of Clove Oil Deplete the Energy Reserves and Downregulate the Carbohydrate Metabolizing Enzymes in the 4th Instar Larvae of <i>Trogoderma granarium</i>	Pakistan Journal of Zoology	X	0.6	2024
165	Dr. Abdul Rauf Nizami	Complete presentation and hilbert series of the mixed braid monoid $mb_{1,3}$	Revista de la Union Matematica Argentina	Y	Non-Impact Factor	2024
166	Dr. Nimra Afzal	Microorganism-mediated biodegradation for effective management and/or removal of micro-plastics from the environment: a comprehensive review	Archives of Microbiology	X	2.3	2024
167	Dr. Nimra Afzal	Biosynthesis of antimicrobial nanoparticle from <i>Swertia</i> spp. (Chirayita) against bacterial pathogens of poultry- A way forward to green nanotechnology and nano-medicines	Microbial Pathogenesis	X	3.3	2024
168	Dr. Muhammad Saad Tariq	Pressure-Induced Effects on BaPbO ₃ : A Prospectively Valuable Material for Piezoelectric Applications via DFT	Crystal Research and Technology	X	1.5	2024
169	Dr. Muhammad Saad Tariq	First principal investigations to explore the half-metallicity, structural, mechanical, and optoelectronic properties of sodium-based fluoroperovskites NaYF ₃ (Y = Sc and Ti) for applications in spintronics and optoelectronics	Inorganic Chemistry Communication	X	3.8	2024

170	Dr. Muhammad Saad Tariq	Utilization of a Smart TiCo Alloy for Pressure-Induced Hydrogen Storage	Physica Scripta	X	2.6	2024
171	Dr. Muhammad Saad Tariq	Deciphering the impact of pressure on the electronic, mechanical, and structural properties of PrMnO ₃ through density functional theory analysis	Transition Metal Chemistry	X	1.7	2024
172	Dr. Muhammad Saad Tariq	DFT insights into LaFeO ₃ with Mn substitution: A promising path to energy-efficient magneto-optical applications	Journal of Computational Chemistry	W	3	2024
173	Dr. Muhammad Saad Tariq	Density Functional Quantum Computations to Investigate the Physical Prospects of Lead-Free Chloro-Perovskites QAgCl ₃ (Q = K, Rb) for Optoelectronic Applications	Transactions on Electrical and Electronic Materials	X	1.9	2024
174	Dr. Muhammad Saad Tariq	Optimizing optoelectronic properties and energy harvesting potential of Co-doped LaFeO ₃ : A DFT-based investigation	Physics Letters, Section A: General, Atomic and Solid State Physics	W	2.3	2024
175	Dr. Muhammad Saad Tariq	Optimizing optoelectronic properties and energy harvesting potential of Co-doped LaFeO ₃ : A DFT-based investigation	Polyhedron	X	2.6	2024
176	Dr. Kanza Aziz Awan	Unveiling the Chemistry of Citrus Peel: Insights into Nutraceutical Potential and Therapeutic Applications	Foods	W	4.7	2024
177	Dr. Shafiq ur Rehman	Recent trends in metal-organic framework-based photocatalysts for Cr (VI) reduction: Confronts and prospects	Journal of Alloys and Compounds	W	5.8	2024

178	Dr. Shafiq ur Rehman	Comparative analysis of dye degradation methods: unveiling the most effective and environmentally sustainable approaches, a critical review	Reviews in Inorganic Chemistry	X	4.1	2024
179	Dr. Shafiq ur Rehman	Morpho-anatomical characters of few members belonging to Kingdom Protista from Safari Park, Lahore, Punjab, Pakistan	Scholars International Journal of Chemistry and Material Sciences	Non-Recogn.	Non-Impact Factor	2024
180	Dr. Shafiq ur Rehman & Dr Muhammad Naveed	Green synthesis and eco-biological evaluation of Ag/Fe bimetallic nanoparticles using Vallaris solanacea leaf extract targeting insecticide resistance	Particuology	W	4.1	2024
181	Qurat-ul-Ain	An optimal B-spline approach for vectorizing raster image outlines	PLoS ONE	W	3.7	2024
183	Waleed Sultan & Dr. Kanza Aziz Awan & Dr. Sanabil Yaqoob	Glycemic impact of cereal and legume-based bakery products: Implications for chronic disease management	Food Chemistry : X	W	6.5	2024
182	Muslim Bin Aqeel	Unveiling Immunological and Hematological Markers in COVID-19: Insights from a Clinical Study	Viral Immunology	X	1.5	2024
184	Dr. Sanabil Yaqoob	Multi-frequency sono-fermentation with mono and co-cultures of LAB synergistically enhance mulberry juice: Evidence from metabolic, micromorphological, sensorial, and computational approaches	Ultrasonics Sonochemistry	W	8.7	2024
185	Dr. Sanabil Yaqoob	Unveiling the Chemistry of Citrus Peel: Insights into Nutraceutical Potential and Therapeutic Applications	Foods (2304-8158)	W	4.7	2024
186	Dr. Sanabil Yaqoob	Innovative Bicultured Lactic–Acetic Acid Co-fermentation Improves Jujube Puree’s Functionality and Volatile Compounds	Fermentation	X	3.3	2024

187	Dr. Sanabil Yaqoob	Germination-induced modifications of starch structure, flour-processing characteristics, and in vitro digestive properties in maize	Food Chemistry : X	W	6.5	2024
188	Dr. Sanabil Yaqoob	Synergistic effects of lactobacillus strains and Acetobacter pasteurianus on jujube puree's product functionality and quality	Heliyon	W	3.4	2024
189	Dr. Sanabil Yaqoob	Investigating the triple-frequency ultrasound-assisted fermented rice lees: Impact on physicochemical, structural, morphological, and metabolic properties	Ultrasonics Sonochemistry	W	8.7	2024
190	Dr. Sanabil Yaqoob	Impact of fermentation through Wickerhamomyces anomalus and Saccharomyces cerevisiae on aroma and quality of mulberry wine	International Journal of Food Science and Technology	W	2.6	2024
191	Dr. Sanabil Yaqoob & Dr Kanza Aziz Awan	Impact of fermentation through synergistic effect of different lactic acid bacteria (mono and co-cultures) on metabolic and sensorial profile of mulberry juice	Journal of Food Measurement and Characterization	W	2.9	2024
192	Dr. Sanabil Yaqoob & Dr Kanza Aziz Awan	Integration of Fluorescence Spectroscopy Along with Mathematical Modeling for Rapid Prediction of Adulteration in Cooked Minced Beef Meat	Journal of Food Process Engineering	W	2.7	2024

193	Dr. Sanabil Yaqoob	Vitamin c; Pharmacokinetics and its prophylactic approach to combat antimicrobial diseases	Tianjin Daxue Xuebao (Ziran Kexue yu Gongcheng Jishu Ban)/ Journal of Tianjin University Science and Technology	X	Non-Impact Factor	2024
194	Fatima Shahid	Dietary Habits and their Impact on Physical Symptoms Severity in Young Females Diagnosed with PCOS	Lahore Garrison University Journal of Life Sciences	Y	Non-Impact Factor	2024
195	Dr. Muhmmad Rayees Ahmad	Intelligent faculty evaluation and ranking system based on N-framed plithogenic fuzzy hypersoft set and extended NR-TOPSIS	Alexandria Engineering Journal	W	6.2	2024
196	Dr. Muhammad Akhtar	Assessing the oat oil attributes and partial substitution in cookies with special reference to fatty acid profile	Journal of Food Measurement and Characterization	W	2.9	2024
197	Dr. Namrah Anwar	Prevalence of high-risk human papillomavirus in oral squamous cell carcinoma with or without chewing habits	PLoS ONE	W	3.7	2024

198	Anam Amin Shami	Mitigation strategies for greenhouse gases to ensure food security	NUST Journal of Natural Sciences		Non-Impact Factor	2024
199	Anam Amin Shami	Withania somnifera as a potential nanomedicine: A review	NUST Journal of Natural Sciences	Y	Non-Impact Factor	2024
200	Manam Walait & Huda Rehman Mir	Eco-Friendly Synthesis Methods of Gold Nanoparticles, Their Characterization and Applications in Diagnostic, Therapeutic and Sensors	Futuristic Biotechnology	Y	Non-Impact Factor	2024
201	Manam Walait	Biotechnological Innovations in Sustainable Food Production	DIET FACTOR (Journal of Nutritional & Food Science) (2789-8091)	Y	Non-Impact Factor	2024
202	Dr. Muhammad Perviaz	Degradation Efficiency of Organic Dyes on CQDs As Photocatalysts: A Review	ACS Omega	W	4.1	2024
203	Dr. Muhammad Perviaz	Biochemical and computational inhibition of α -glucosidase by novel metronidazole-linked 1H-1,2,3-triazole and carboxylate moieties: kinetics and dynamic investigations	Journal of Biomolecular Structure and Dynamics	X	2.7	2024
204	Dr. Muhammad Perviaz	Synthesis, in vitro acetylcholinesterase, butyrylcholinesterase activities and molecular docking study of 1,3-oxathiol-2-imine derivatives	Chemical Data Collections	Y	Non-Impact Factor	2024
205	Umme Farwa	From Passion to Practice: How Proactive Personality and Entrepreneurial Passion Influence Entrepreneurial Intentions and Behaviors in University Students	Kurdish Studies	W	Non-Impact Factor	2024

206	Samman Ikram	Oral microbiome s role in tumor development, metastasis, and oral oncogenesis	Xi'an Shiyou Daxue Xuebao (Ziran Kexue Ban)/Journal of Xi'an Shiyou University, Natural Sciences Edition		Non-Impact Factor	2024
207	Muslim Bin Aqeel	Unveiling Immunological and Hematological Markers in COVID-19: Insights from a Clinical Study	Viral Immunology	X	1.5	2024
208	Muslim Bin Aqeel	The Role of Artificial Intelligence in Predicting Cardiovascular Diseases: Current Trends and Future Directions	Azerbaijan Pharmaceutical and Pharmacotherapy Journal	Y	Non-Impact Factor	2024
209	Dr. Dilawar Hussain	Dietary Vitamin C Fortification Enhances the Growth Performance, Hematological Status, Defensive Antioxidant Enzymes, and Resistance Against Aeromonas Hydrophila Infection for Bullseye Snakehead (Channa marulius)	Journal of Zoology and Systematics	Non-Recogn.	Non-Impact Factor	2024

210	Dr. Dilawar Hussain	Modulatory Potential of Selenium Supplementations on the Growth, Nutrients Profile and Regulation of Antioxidant Status of Striped Catfish (<i>Pangasius Hypophthalmus</i>)	Journal of Zoology and Systematics	Non- Recogn.	Non-Impact Factor	2024
211	Dr. Dilawar Hussain	Effects of Synthetic Hormones on Fertilization, Fecundity, Hatching and Gonado-Somatic Index of Giant Snakehead (<i>Channa Marulius</i>) in Captivity	Journal of Zoology and Systematics	Non-Recogn..	Non-Impact Factor	2024
212	Dr. Dilawar Hussain	Serological effects of cypermethrin on the kidneys of rabbit (<i>Oryctolagus cuniculus</i>)	Journal of Zoology and Systematics	Non-Recogn.	Non-Recognized Non-Impact Factor	2024
213	Dr. Dilawar Hussain	Hepatitis C virus infection and its correlation with multiple risk factors in local population of Gujranwala Pakistan	UCP Journal of Science & Technology	Non-Recogn.	Non-Impact Factor	2024
214	Mohsin Tassawar Cheema	Fermentation, purification and in-vitro evaluation of antimicrobial, antitumor and antioxidant compounds from a himalayan actinobacteria strain streptomyces sp. Pu- ak14	Pakistan Journal of Biotechnology	Y	Non-Impact Factor	2024
215	Dr. Sumaira Sharif	Diversified Workforce and Employees' Performance: Moderating Effect of Bureaucratic Leadership in Third Sector	Research Journal for Societal Issues	Y	Non-Impact Factor	2024

2. Faculty of Information Technology & Computer Science (FOIT&CS)

Sr. No.	Faculty Member's Name	Publication Title	Journal	Category	Impact Factor	Year
1	Dr. Amin Ullah	Studying the Invasion of Drones in Indigenous Areas Using Machine Learning Techniques	UCP Journal of Engineering & Information Technology	Non-Recognized	Non-Impact Factor	2024
2	Dr. Amin Ullah	Performance Evaluation of MANET Routing Protocols Based on Size and Speed Parameters	UCP Journal of Engineering & Information Technology	Non-Recognized	Non-Impact Factor	2024
3	Dr. Amin Ullah	Smart cities: the role of Internet of Things and machine learning in realizing a data-centric smart environment	Complex & Intelligent Systems	X	5.8	2024
4	Dr. Amin Ullah	High-Definition Image Formation Using Multi- Stage Cycle Generative Adversarial Network with Applications in Image Forensic	Arabian Journal for Science and Engineering	W	2.9	2024
5	Annas Waseem Malik & Dr. David Samuel Bhatti	Cloud Digital Forensics: Beyond Tools, Techniques, and Challenges	Sensors	W	3.9	2024
6	Dr. David Samuel Bhatti & Annas Wasim Malik	Performance analysis: Securing SIP on multi- threaded/multi-core proxy server using public keys on Diffie–Hellman (DH) in single and multi-server queuing scenarios	PLoS ONE	W	3.7	2024
7	Dr. David Samuel Bhatti	Detection and isolation of wormhole nodes in wireless ad hoc networks based on post-wormhole actions	Scientific Reports	W	4.6	2024

8	Dr. David Samuel Bhatti	IoT-Enhanced Transport and Monitoring of Medicine Using Sensors, MQTT, and Secure Short Message Service	IEEE Access	W	3.9	2024
9	Dr. David Samuel Bhatti	Design and Evaluation of Memory Efficient Data Structure Scheme for Energy Drainage Attacks in Wireless Sensor Networks	IEEE Access	W	3.9	2024
10	Dr. Saeed Iqbal Khattak	Hybrid Parallel Fuzzy CNN Paradigm: Unmasking Intricacies for Accurate Brain MRI Insights	IEEE Transactions on Fuzzy Systems	W	11.9	2024
11	Rabia Arshad	User clustering in cell-free massive MIMO NOMA system: A learning based and user centric approach	AEJ - Alexandria Engineering Journal	W	6.8	2024
12	Dr. Saeed Iqbal Khattak	Adaptive magnification network for precise tumor analysis in histopathological images	Computers in Human Behavior	W	9.9	2024
13	Dr. Muhammad Zubair	An Improved Machine Learning-Driven Framework for Cryptocurrencies Price Prediction with Sentimental Cautioning	IEEE Access	W	3.9	2024
14	Dr. Adnan Ghafoor & Dr. Muhammad Umair	Exploring the impact of SEO-based ranking factors for voice queries through machine learning	Artificial Intelligence Review	W	12	2024
15	Muhammad Arham Tariq	A Study on Comparative Analysis of Feature Selection Algorithms for Students Grades Prediction	Journal of Information and Organizational Sciences	Y	0.3	2024
16	Dr. Saeed Iqbal Khattak & Dr. Imran Arshad Chodhry	Hybrid deep spatial and statistical feature fusion for accurate MRI brain tumor classification	Frontiers in Computational Neuroscience	X	2.1	2024

17	Rabia Arshad	Empirical design and comprehensive analysis of multiport converter in distributed generation enabled microgrids	Energy Reports	W	4.7	2024
18	Dr. Muhammad Zubair	Unveiling the Correlation between Nonfunctional Requirements and Sustainable Environmental Factors Using a Machine Learning Model	Sustainability	W	3.3	2024
19	Waseem Akram	Transfer Learning Empowered Bone Fracture Detection	Decision Making Advances	Non-Recognized	Non-Impact Factor	2024
20	Waseem Akram	Optimizing Misinformation Control: A Cloud- Enhanced Machine Learning Approach	Information Dynamics and Applications	Non-Recognized	Non-Impact Factor	2024
21	Waseem Akram	Enhanced Real-Time Facial Expression Recognition Using Deep Learning	Acadlore Transactions on AI and Machine Learning	Non-Recognized	Non-Impact Factor	2024
22	Dr. Abbas Khalid	Remote mobile health monitoring frameworks and mobile applications: Taxonomy, open challenges, motivation, and recommendations	Engineering Applications of Artificial Intelligence	W	7.5	2024
23	Dr. Saeed Iqbal Khattak	AD-CAM: Enhancing Interpretability of Convolutional Neural Networks with a Lightweight Framework - From Black Box to Glass Box	IEEE Journal of Biomedical and Health Informatics	W	6.7	2024
24	Salman Muneer	A Critical Review of Artificial Intelligence Based Approaches in Intrusion Detection: A Comprehensive Analysis	Journal of Engineering (United Kingdom)	X	1.7	2024
25	Dr. Kashif Nasr	Partition Identification and Redeployment Algorithm Through Neighbourhood Information	Wireless Personal Communications	1.9	W Category	2024

26	Muhammad Zulkifl Hasan	Comprehensive Model Comparison for Intrusion Detection in UNR-IDD Dataset: Evaluating Naïve Bayes, Decision Tree, Random Forest, K-Neighbors, and LSTM	VAWKUM Transactions on Computer Sciences	Y	Non-Impact Factor	2024
27	Muhammad Zulkifl Hasan	Beyond Traditional Techniques for Enhancement of Digital Forensics for Cloud	Spectrum of Engineering Sciences	Non-Recognized	Non-Impact Factor	2024
28	Muhammad Zulkifl Hasan	Hybrid Intrusion Detection System for RPL IoT Networks Using Machine Learning and Deep Learning	IEEE Access	W	3.4	2024
29	Muhammad Zulkifl Hasan	An efficient machine learning-based detection and prediction mechanism for cyber threats using intelligent framework in iots	Journal of mechanics of continua and mathematic a l sciences	Non-Recognized	Non-Impact Factor	2024
30	Muhammad Zulkifl Hasan	Low Network Power Challenges in IoT-Based Applications in Smart Cities	Journal of Advanced Research in Applied Sciences and Engineering Technology	Non-Recognized	Non-Impact Factor	2024
31	Ahmad Arsalan & Zupash Awais	NO-DSA: A Novel and Optimal Forwarding Protocol for Data Packet Storm Avoidance in Named Data NetworkBased Internet of Vehicles (NDN-IoVs)	Pakistan Journal of Multidisciplinary Research	Y	Non-Impact Factor	2024
32	Ahmad Arsalan	Mitigation of Interest Flooding Attack and Controlled Packet Propagation in Named Internet of Vehicles	IEEE Access	W	3.4	2024
33	Taimoor Hassan	Use of Code Refactoring Transformation in Software Advancement	Lahore Garrison University Research Journal of Computer Science and Information Technology	Y	Non-Impact Factor	2024

34	Syed Zulqadar Hassan	Improving Distribution Power System Efficiency using Power Loss Reduction by Installing the Distributed Generations	Journal of Engineering Research and Sciences (JENRS)	Non-Recognized	Non-Impact Factor	2024
35	Syed Zulqadar Hassan	Electrification of Transportation: Policy Framework, Technical Aspects and Challenges in Pakistan - A Case Study	e-Prime - Advances in Electrical Engineering, Electronics and Energy	Non-Recognized	Non-Impact Factor	2024
36	Dr. Rabia Tehseen	Unlocking Competitive Advantage: The Nexus of Information Technology, Absorptive Capacity, And Dynamic Capabilities in Organizational Performance	Remittances Review	X	Non-Impact Factor	2024
37	Dr. Rabia Tehseen	Information Technologies Driving Innovation in Biological Science: A Focus on Bioinformatics Application Development	Journal of Population Therapeutics and Clinical Pharmacology	X	Non-Impact Factor	2024
38	Dr. Rabia Tehseen	Enhancing diagnostic accuracy in skin cancer: a study on ai-Based image classification	Journal of Population Therapeutics and Clinical Pharmacology	X	Non-Impact Factor	2024
42	Dr. Saeed Iqbal Khattak	Dynamic selectout and voting-based federated learning for enhanced medical image analysis	Machine Learning: Science and Technology	W	6.3	2024
43	Dr. Rabia Tehseen	Plant Disease Detection Using Computational Approaches: A Systematic Literature Review	International Journal of Innovations in Science & Technology	Y	Non-Impact Factor	2024
41	Dr. Rabia Tehseen	Predicting Depression Among Type 2 Diabetic Patients Using Federated Learning	International Journal of Innovations in Science & Technology	Y	Non-Impact Factor	2024

42	Dr. Rabia Tehseen & Maham Mehr Awan	Machine Learning in Livestock Management: A Systematic Exploration of Techniques and Outcomes	International Journal of Innovations in Science & Technology	Y	Non-Impact Factor	2024
44	Dr. Rabia Tehseen & Maham Mehr Awan	Prediction of Brain Stroke Using Federated Learning	International Journal of Innovations in Science & Technology	Y	Non-Impact Factor	2024
45	Dr. Rabia Tehseen	Cyber Security Intrusion Detection Scheme for Malicious Traffic in IoT using Federated Learning	International Journal for Electronic Crime Investigation	Non-Recognized	Non-Impact Factor	2024
46	Dr. Rabia Tehseen & Maham Mehr Awan	Advanced AI Mechanics in Unity 3D for Immersive Gameplay: A Study on Finite State Machines & Artificial Intelligence	International Journal of Innovations in Science & Technology	Y	Non-Impact Factor	2024
47	Dr. Rabia Tehseen & Maham Mehr Awan	Impact of climatic anomalies and reservoir induced seismicity on earthquake generation using Federated Learning	VFAST Transactions on Software Engineering	Y	Non-Impact Factor	2024
48	Rabia Arshad	Wavelet NOMA for cell-free massive MIMO: mitigating intra-cluster and inter-cluster interference in future wireless communication systems	Telecommunication Systems	W	1.7	2024
49	Dr. Saeed Iqbal Khattak	Enhanced gastric cancer classification and quantification interpretable framework using digital histopathology images	Scientific Reports	W	3.8	2024
50	Dr. Saeed Iqbal Khattak	From Data to Diagnosis: Enhancing Radiology Reporting with Clinical Features Encoding and Cross-Modal Coherence	IEEE Access	W	3.4	2024
51	Dr. Saeed Iqbal Khattak	Novel hybrid data-driven models for enhanced renewable energy prediction	Frontiers in Energy Research	W	2.6	2024

52	Dr. Saeed Iqbal Khattak & Dr. Imran Arshad Chaudhry	A Novel Interpretable Graph Convolutional Neural Network for Multimodal Brain Tumor Segmentation	Cognitive Computation	W	4.9	2024
53	Dr. Saeed Iqbal Khattak & Dr. Imran Arshad Chodhry	Transforming Lung Disease Diagnosis with Transfer Learning Using Chest X-Ray Images on Cloud Computing	Expert Systems	X	3	2024
54	Dr. Saeed Iqbal Khattak & Dr. Imran Arshad Chodhry	Privacy-preserving AI for early diagnosis of thoracic diseases using IoTs: A federated learning approach with multi-headed self-attention for facilitating cross-institutional study	Internet of Things	W	6	2024
55	Dr. Ali Saeed	Optimizing Brain Tumor Prediction: A Comparative Study of Machine Learning Algorithms	VFAST Transactions on Software Engineering	Y	Non-Impact Factor	2024
56	Dr. Ali Saeed	Cross-Lingual English-Urdu Semantic Word Similarity Using Sentence Transformers	The European Journal on Artificial Intelligence	W	1.4	2024
57	Dr. Ali Saeed	Topic Modelling for Urdu Articles Using Unsupervised Learning Approaches	Pakistan Journal of Scientific Resaerch	Y	Non-Impact Factor	2024
58	Dr. Ali Saeed	Prediction Of Dengue Cases and Deaths Using Machine Learning Algorithm	Pakistan Journal of Scientific Resaerch	Y	Non-Impact Factor	2024
59	Dr. Ali Saeed & Dr. Hafiz Mahfooz ul Haque	Advanced Machine Learning Algorithms for Accurate Prediction of Band Gaps in Rare Earth Metal Oxides Nanoparticles	ES Energy & Environment (ESEE)	Non-Recognized	Non-Impact Factor	2024
60	Dr. Hafiz Mahfooz Ul Haque	Formal modelling and verification of autonomous reasoning-based flight simulation system	Lahore Garrison University Research Journal of Computer Science and Information Technology	Y	Non-Impact Factor	2024

61	Dr. Muhammad Umair & Dr. Muhammad Amjad Iqbal	Leveraging deep learning for toxic comment detection in cursive languages	PeerJ Computer Science	W	3.8	2024
62	Dr. Mohsin Ashraf	Optimized Music Classification with a Hybrid VGG16-RNN Using Mel-Spectrogram and MFCC Features	VFAST Transactions on Software Engineering	Y	Non-Impact Factor	2024
63	Dr. Mohsin Ashraf	Self-Supervised Image Segmentation Using Meta-Learning and Multi-Backbone Feature Fusion	International Journal of Neural Systems	W	6.6	2024
64	Dr. Syed Atif Mehdi & Kanwal Atif	A Dynamic Architecture to Control Multi-Rotors Using Hand Gestures	International Journal of Innovations in Science & Technology	Y	Non-Impact Factor	2024
65	Dr. Muhammad Sarwar Ehsan	Critical analysis of Parkinson's disease detection using EEG sub-bands and gated recurrent unit	Engineering Science and Technology, an International Journal	W	5.1	2024
66	Hamza Naveed	Assessment of bio-medical waste disposal techniques using interval-valued q-rung orthopair fuzzy soft set based EDAS method	Artificial Intelligence Review	W	10.7	2024
67	Dr. Abbas Khalid	Remote mobile health monitoring frameworks and mobile applications: Taxonomy, open challenges, motivation, and recommendations	Engineering Applications of Artificial Intelligence	W	7.5	2024
68	Muhammad Arham Tariq	A Study on Comparative Analysis of Feature Selection Algorithms for Students Grades Prediction	Journal of Information and Organizational Sciences	X	0.3	2024

3. Faculty of Management Sciences (FOMS)

Sr. No.	Faculty Member's Name	Publication Title	Journal	Category	Impact Factor	Year
1.	Asma Tariq	Advancing customer experience through service design in mega shopping malls	International Journal of Retail and Distribution Management	W	5.5	2024
2.	Syed Amjad Hussain & Dr. Abdul Karim	Exploring Emotion Challenges in Family Businesses: Adaptation or Mastery with Green Innovativeness? A Resource-Based View Perspective	Review in Business and Economics	Y	Non-Impact Factor	2024
3.	Dr. Abdul Karim	Impact of Structural OD Interventions on Organizational Performance in Pakistan: A Mixed Methods Explanatory Sequential Research Approach	Journal of Asian Development Studies	Y	Non-Impact Factor	2024
4.	Nida Zaheer	Impact of Brand Activism on Brand Personality and Brand Loyalty	Sustainable Business and Society in Emerging Economies	Y	Non-Impact Factor	2024
5.	Dr. Kanwal Zahra	Board independence, women directors and firm	Journal of Social Economics Research	Y	Non-Impact Factor	2024

		performance in Malaysian small-cap firms				
6.	Dr. Muhammad Shehzad Hanif	GAIR-U-Net: 3D Guided attention inception residual u-net for brain tumor segmentation using multimodal MRI images	Journal of King Saud University – Computer and Information Sciences (1319-1578)	W	5.2	2024
7.	Dr. Shahid Nadeem	Illuminating The Impact of Personality Factors and Self Efficacy on College Educators' Job Satisfaction: A Correlation Study	Socium (3006-7197)	Non-Recognized	Non-Impact Factor	2024
8.	Dr. Shahid Nadeem	Influence of Emotional Intelligence on Teenagers' Contentment: Investigating the Mediating Influence of Self-Esteem	Socium (3006-7197)	Non-Recognized	Non-Impact Factor	2024
9.	Dr. Muhammad Faheem Jan & Dr. Arshia Hashmi	Does Green Product Knowledge Really Affect Customer Purchase Decision: An Empirical Insight of Textile Sector of Pakistan	International Journal Of Business and Management Sciences	Y	Non-Impact Factor	2024
10.	Dr. Muhammad Faheem Jan & Dr. Arshia Hashmi	Customer Personality and Brand Personality in Service Brand Evangelism: Mediating Role of Brand Satisfaction	Educational Administration: Theory and Practice (2148-2403)	Y	Non-Impact Factor	2024

11.	Dr. Shabana Naveed	FinTech adoption in achieving ecologically sustainable mineral management in Asian OBOR countries – A cross- section and time autoregressive robust analysis	Resources Policy	W	10.2	2024
12.	Dr. Shabana Naveed	A bibliometric review on sustainable human resource management (1982– 2023)	Journal of Organizational Effectiveness	W	3	2024
13.	Dr. Amina Rizwan, Dr. Shabana Naveed, Dr. Muhammad Shehzad Hanif, Aitzaz Khurshi & Dr. Talha Zubair Ahmad Khan	Prospects for institutionalization of crowdfunding: a developing country perspective	Journal of Entrepreneurship and Public Policy	W	1.5	2024
14.	Dr. Waqar Ahmed	The impact of diversity experiences and innovative learning environments on the personal development of international students studying in China	European Journal of Education	W	2.4	2024
15.	Dr. Waqar Ahmed	Exploring the impact of team psychological capital on employee green innovation within the ecosystem-oriented business models in China	Asia Pacific Business Review	X	2	2024

16.	Dr. Waqar Ahmed	Enhancing organizational sustainable innovation performance through organizational readiness for big data analytics	Humanities and Social Sciences Communications	W	3.7	2024
17.	Dr. Ata Ul Musawir	Revisiting the Principal-Agent Framework in the Context of Projects: Drawing Parallels with Corporate Governance	Project Management Journal	W	5.1	2024
18.	Dr. Imran Shahzad	Impact of ESG on Firm Performance: Moderating Role of Brand Value	Remittances Review	X	Non-Impact Factor	2024
19.	Dr. Jawad Abbas	Investment in renewable energy and green financing and their role in achieving carbon- neutrality and economic sustainability: Insights from Asian region	Renewable Energy	W	8.7	2024
20.	Dr. Jawad Abbas	Impact of financial inclusion, economic growth, natural resource rents, and natural energy use on carbon emissions: the MMQR approach	Environment, Development and Sustainability	W	4.9	2024
21.	Dr. Jawad Abbas	Role of environmental decentralization, green human capital, and digital finance in firm green technological innovation for a sustainable society.	Environment, Development and Sustainability	W	4.9	2024

22.	Dr. Jawad Abbas	Role of environment-driven CSR, green servant leadership, and green dynamic capabilities in firm green innovation: Evidence from manufacturing industry	Environment, Development and Sustainability	W	4.7	2024
23.	Dr. Jawad Abbas	Green supply chain management and firm sustainable performance: unlocking the role of transactional and transformational leadership in firm sustainable operations	Environment, Development and Sustainability	W	4.9	2024
24.	Dr. Jawad Abbas	Does the nexus of corporate social responsibility and green dynamic capabilities drive firms toward green technological innovation? The moderating role of green transformational leadership	Technological Forecasting and Social Change	W	12.9	2024
25.	Shafaq Aftab	How and when does witnessing incivility lead to psychological distress in family-owned bank employees?	Asia-Pacific Journal of Business Administration	W	3.3	2024

26.	Dr. Imran Ramzan & Dr. Muhammad Mazhar	Price bubbles and Co-bubbles in the green economy market	Journal of Environmental Management	W	8	2024
27.	Dr. Imran Ramzan & Dr. Kashif Ali	Going green, growing strong: how climate policy boosts US companies' performance	Climate Policy	W	5.3	2024
28.	Dr Kashif Ali	New waysof working: a comparative empirical analysis appertaining to health andwell- being and psychosocial hazards	Technology Analysis and Strategic Management	W	3.4	2024
29.	Dr. Kashif Ali	From theory to practice: An integrated TTF-UTAUT study on electric vehicle adoption behavior	PLoS ONE	W	3.7	2024
30.	Dr. Kashif Ali	Blockchain-Based Security Factors on Sustainable Supply Chain Management in UK Manufacturing Firms: A Hybrid SEM-ANN Approach	Systems	X	2.3	2024
31.	Dr. Kashif Ali & Dr. Abdul Waheed	Synergistic role of TQM 4.0toward Industry 4.0 readiness: a sociotechnical perspective of selected industries	TQM Journal	X	3.8	2024

32.	Dr. Kashif Ali	Driving sustainability in industry 5.0 through sociotechnical approach of quality management	Total Quality Management and Business Excellence	W	3.9	2024
33.	Dr. Kashif Ali	Total quality management in manufacturing firms: current and future trends	Foresight	X	2.3	2024
34.	Dr. Kashif Ali	Systematic literature review and retrospective bibliometric analysis on ESG research	International Journal of Productivity and Performance Management	W	5.9	2024
35.	Dr. Kashif Ali	Green servitization, circular economy, and sustainability a winning combination analysis through hybrid SEM-ANN approach	Business Strategy and the Environment	W	12.5	2024
36.	Dr. Rubeena Tashfeen, Dr. Amina Rizwan & Dr. Talha Zubair Ahmad Khan	Organizational Dynamics: Evidence of Audit Quality, Stock Price Crash Risk, And Board of Directors in An Emerging Market	Kurdish Studies	W	Non-Impact Factor	2024
37.	Dr. Talha Zubair Ahmad Khan	WeChat gamification: Mobile payment impact on word of	Spanish Journal of Marketing - ESIC	X	Non-Impact Factor	2024

		mouth and customer loyalty				
38.	Dr. Ramsha Naeem	An Integrative Framework of Ethical Leadership	Systemic Practice and Action Research	X	1	2024
39.	Dr. Raja Irfan Sabir	Adoption of environmental technologies in the hotel industry: development of sustainable intelligence and pro-environmental behavior	Discover Sustainability	Y	2.6	2024
40.	Dr. Raja Irfan Sabir	Impact of pro-environmental values on Sustainable green apparel buying behavior in Pakistan	Cleaner and Responsible Consumption	X	3.7	2024
41.	Dr. Raja Irfan Sabir	To Gain Sustainable Competitive Advantages (SCA) Using Artificial Intelligence (AI) Over Competitors	Bulletin of Business and Economics (BBE)	Y	Non-Impact Factor	2024
42.	Dr. Raja Irfan Sabir		Journal of Infrastructure, Policy and Development	X	Non-Impact Factor	2024
43.	Dr. Raja Irfan Sabir	Systematic Literature Review: Impact of Post-Traumatic Stress Disorder on	Journal of Applied Research and Multidisciplinary Studies	Non-Recognized	Non-Impact Factor	2024

		Entrepreneurial Intentions				
44.	Dr. Raja Irfan Sabir	How do Social Media Platforms Shape the Public Perception and Support of Policy Issues and Initiatives in Climate Change?	Bulletin of Business and Economics (BBE)	Y	Non-Impact Factor	2024
45.	Dr Amina Rizwan & Aitzaz Khurshid	From Friends to Feedback: Effect of Social Influence on Mobile Shopping in the Post-COVID Era	Sustainability	W	3.3	2024
46.	Aitzaz Khurshid & Kanwal Zahra	The nexus of green innovation, cleaner production, and eco-efficiency and their role in environmental sustainability	Gondwana Research	W	7.2	2024
47.	Dr. Aqeel Ahmad	Greenthreads of change: Unravelling the gendered and experienced moderators in the sustainable symphony of green HR practices and environmental responsibility.	International journal of Innovative Research and Scientific Studies	X	Non-Impact Factor	2024

48.	Dr. Aqeel Ahmad & Dr. Irfan Siddique	Beyond self-interest: how altruistic values and human emotions Drive brand advocacy in hospitality consumers through corporate social responsibility	Corporate Social Responsibility and Environmental Management	W	9.8	2024
49.	Dr. Aqeel Ahmad	From screen to service: how corporate social responsibility messages on social media shape hotel consumer advocacy	Journal of Hospitality Marketing and Management	W	12.5	2024
50.	Dr. Aqeel Ahmad	Sowing the seeds of sustainability: A sociological exploration of environmental sustainability within SME sector	Climate Services	X	4	2024
51.	Dr. Aqeel Ahmad	Healing the healers: The interplay of corporate social responsibility and leadership in the healthcare burnout epidemic	Social Behavior and Personality	X	1	2024
52.	Dr. Amina Rizwan	Crowdfunding, Industry 4.0, and Entrepreneurial Success: A Theory of Planned Behavior Approach in Engineering market	Bulletin of Management Review	Non-Recognized	Non-Impact Factor	2024

53.	Dr. Rubeena Tashfeen, Dr. Talha Zubair Ahmad Khan & Dr. Amina Rizwan	Stock Market Reaction to Environmental Regulations: Evidence from Pakistan	Migration Letters	X	Non-Impact Factor	2024
54.	Dr. Sami Ullah	Abusive supervisor triggers counterproductive work behaviors in nursing staff: role of psychological contract breach and Islamic work ethics	Leadership and Organization Development Journal	W	4.9	2024
55.	Dr. Sami Ullah	What an organizational readiness for green innovation, green innovation performance and knowledge integration affects sustainability performance of exporting firms	Journal of Asia Business Studies	W	2.9	2024
56.	Dr. Sami Ullah	Seeding Brand Love through CSR and Consumer Commitment	Remittances Review	X	Non-Impact Factor	2024
57.	Dr. Sami Ullah	Navigating Post- Covid Consumer Behavior: The Role of Company CSR Practices in Shaping	Remittances Review	X	Non-Impact Factor	2024

		Purchase Intention across Different Demographic Profiles				
58.	Dr. Sami Ullah	Improving green innovation performance: the role of integrating green customers and suppliers, government regulations, green knowledge integration capability	Environment, Development and Sustainability	W	4.7	2024
59.	Dr. Sami Ullah	Leveraging technological readiness and green dynamic capability to enhance sustainability performance in manufacturing firms	Journal of Manufacturing Technology Management	W	7.3	2024
60.	Dr. Sami Ullah	From Bystander to Protector: Reducing Impact of Cyberbullying on Employee Innovation Behavior Through Bystander Intervention	International Journal of Bullying Prevention	X	Non-Impact Factor	2024
61.	Dr. Sami Ullah, Dr. Salman Iqbal, Dr. Amina Rizwan & Dr. Ahmad Faisal Imtiaz	The impact of organizational culture on knowledge sharing and absorptive capacity: a study of the microfinance institutions in Pakistan	South Asian Journal of Business Studies	W	2.1	2024

62.	Dr. Sami Ullah	A mediated moderation model of eco-guilt, personal and social norms and religiosity triggering pro-environmental behavior in tourists	Current Psychology	W	2.5	2024
63.	Dr. Sami Ullah	Integrating external stakeholders for Improvement in green innovation performance: role of green knowledge integration capability and regulatory pressure	International Journal of Innovation Science	X	3	2024
64.	Muhammad Naeem Khan	AI-Powered Augmented Reality App Satisfies My Beauty Needs and Want	Review of Marketing Science	Y	Non-Impact Factor	2024
65.	Muhammad Naeem Khan	Role of Proactive and Reactive CSR in Consumer Purchase Intention: Moderation of Word of Mouth on social media	Research Journal for Societal Issues	Y	Non-Impact Factor	2024

66.	Muhammad Naeem Khan	The Influence of Augmented Reality on Consumer Attitudes and Adoption Intent: Exploring Aesthetics, Playfulness, Utility and Trust	Foundation University Journal Of Business & Economics	Y	Non-Impact Factor	2024
67.	Asma Rafique	Analyzing the Mediating Roles of Attitude and Awareness in Shaping the Relationship between Religiosity and the Purchase Intention of Halal Cosmetics	Journal of Islamic Thought and Civilization	Y	Non-Impact Factor	2024
68.	Dr. Amina Rizwan, Talha Zubair Ahmad Khan & Rubeena Tashfeen	Assessment of Government Intervention in Microfinance Banks of Pakistan	Journal of Finance and Accounting Research	Y	Non-Impact Factor	2024
69.	Dr. Rubeena Tashfeen	Sustainable Risk Management by Audit Committees: Evidence of Derivatives Usage in Non- Financial Companies	Al-Qantara	W	0.4	2024

70.	Dr. Muhammad Nadeem Dogar	Sustainability of Change and Deep Organizational Structures: A Conceptual Framework	Remittances Review	X	Non-Impact Factor	2024
71.	Dr. Muhammad Nadeem Dogar	Change Narratives: Theoretical Framework of Diverging Narratives Towards Organizational Change	Remittances Review	X	Non-Impact Factor	2024
72.	Dr. Muhammad Nadeem Dogar	A Systematic Literature Review on Workplace Spirituality and Positive Psychology: Enhancing Organizational Spiritual Health	Leadership & Organizational Behavior Journal	Y	Non-Impact Factor	2024
73.	Dr. Muhammad Nadeem Dogar	Spiritually empowered leadership and workplace spirituality at Akhuwat foundation a qualitative case study	Qualitative Research in Financial Markets	X	1.9	2024
74.	Dr. Muhammad Nadeem Dogar	Unearthing the lineage of workplace spirituality in positive psychology	International Journal of Ethics and Systems	X	1.7	2024

75.	Dr. Muhammad Nadeem Dogar	Change Readiness: A Recipe for Successful Change Implementation	Leadership and Organizational Behavior Journal	Y	Non-Impact Factor	2024
76.	Dr. Zahid Ahmad	The holistic repercussions of the ongoing war and refugee crisis on the Polish travel agencies	Journal of Contingencies and Crisis Management	W	3.1	2024
77.	Dr. Abdul Karim	Impact of Structural OD Interventions on Organizational Performance in Pakistan: A Mixed Methods Explanatory Sequential Research Approach	Journal of Asian Development Studies	Y	Non-Impact Factor	2024
78.	Dr. Abdul Karim	Exploring Emotion Challenges in Family Businesses: Adaptation or Mastery with Green Innovativeness? A Resource-Based View Perspective	Review in Business and Economics	Y	Non-Impact Factor	2024
79.	Dr. Kanwal Zahra	Carbon footprints, dynamic capabilities, and financial inclusion in G7 and E7 nations	Sustainable Futures	W	3.3	2024
80.	Dr. Ata ul Musawir	Making sense of project governance and its role in Strategy implementation: a governance-as-practice perspective	International Journal of Managing Projects in Business	W	2.7	2024

81.	Dr. Kashif Ali	New waysof working: a comparative empirical analysis appertaining to health and well- being and psychosocial hazards	Technology Analysis and Strategic Management	W	3.4	2024
82.	Dr. Ata ul Musawir & Madiha Bint- e- Riaz		Project Management Journal	W	5	2024
83.	Dr. Haroon Qasim	Crafting Entrepreneurial Pet Brands: Unravelling the Influence of Media Exposure on COVID-19 Anxiety through the Lens of Pet Attachment	Journal of Entrepreneurship and Business Venturing	Y	Non-Impact Factor	2024
84.	Dr. Irfan Siddique	ASystem Dynamics Perspective on Workplace Spirituality and Employee Behavior	Administrative Sciences	W	3	2024
85.	Dr. Irfan Siddique	Connecting Soft and Hard: An Integrating Role of Systems Dynamics in Tsunami Modeling and Simulation	Sci (2413-4155)	Non-Recognized	Non-Impact Factor	2024
86.	Dr. Ahmad Faisal Imtiaz Siddique	Impact of Organizational Justice on Employee Satisfaction Among Punjab Police: An Empirical Investigation in the Post Model Town Incident Time	Journal of Police and Criminal Psychology	X	1.7	2024

87.	Dr. Kanwal Zahra	AI-Powered Decomposition Techniques for Economic Forecasting	Global Social Sciences Review (GSSR)	Y	Non-Impact Factor	2024
88.	Dr. Kanwal Zahra	COVID-19 and Seasonality in Monthly Returns: A Firm Level Analysis of PSX	Zagreb International Review of Economics and Business	Y	Non-Impact Factor	2024
89.	Dr. Muhammad Saeed Shahbaz	How the green supply chain can transform the economic prosperity	International Journal of Services and Operations Management	Y	Non-Impact Factor	2024
90.	Dr. Muhammad Saeed Shahbaz	The Moderating Role of Technological Orientation Between the Relationship of Blockchain Technology and Supply Chain Operational Performance	Digital Transformation for Improved Industry and Supply Chain Performance	Non-Recognized	Non-Impact Factor	2024
91.	Dr. Muhammad Mazhar	Frontline Employees' Motivation towards Customers' Value Outcomes: A Context of Non-Fuel Retailing	Jurnal The Messenger	Y	0.3	2024
92.	Dr. Muhammad Mazhar	The Role of Web Store Stimuli on Customers' impulse Buying Behavior Through Brand Perception	International Journal of Management Studies	X	1	2024

93.	Syeda Uzma Thaira	Social Media: A Catalyst to Environmental Sensing for Supply Chain Management.	Foundation University Journal of Business and Economics		Non-Impact Factor	2024
94.	Asma Rafique	Analyzing the Mediating Roles of Attitude and Awareness in Shaping the Relationship between Religiosity and the Purchase Intention of Halal Cosmetics.	Journal of Islamic Thought and Civilization	Y	Non-Impact Factor	2024
95.	Shafaq Aftab	How and when does witnessing incivility lead to psychological distress in family-owned bank employees?	Asia-Pacific Journal of Business Administration	W	3.3	2024
96.	Shafaq Aftab	Levelling up or down: leader's strategies to encounter downward envy in family-owned software houses	Asia-Pacific Journal of Business Administration	W	3.3	2024
97.	Dr. Bilal Sarwar	Sustainable development and mineral resource extraction in China: Exploring the role of mineral resources, energy efficiency and renewable energy	Resource Policy	Non-Recognized	Non-Impact Factor	2024

4. Faculty of Pharmaceutical Sciences (FOPS)

Sr. No.	Faculty Member's Name	Publication Title	Journal	Category	Impact Factor	Year
1	Dr. Huma Hameed, Dr. Muhammad Zaman, Dr. Imtiaz Majeed & Muhammad Nadeem Alvi	Unlocking the Power of Antioxidant Nanoparticles: Insights into Classification, Formulation, Characterization, and Biomedical Applications	BioNanoScience	X	3	2024
2	Dr. Huma Hameed	Bioengineered exosomes: Cellular membrane-camouflaged biomimetic nanocarriers for Parkinson's disease management	European Journal of Pharmacology	W	4.2	2024
3	Dr. Huma Hameed	The role of chondroitin sulphate as a potential biomaterial for hepatic tissue regeneration: A comprehensive review	International Journal of Biological Macromolecules	W	7.7	2024
4	Dr. Huma Hameed	Computational exploration of acefylline derivatives as MAO-B inhibitors for Parkinson's disease: insights from molecular docking, DFT, ADMET, and molecular dynamics approaches	Frontiers in Chemistry		3.8	2024
5	Dr. Huma Hameed, Dr. Mahtab Ahmad Khan & Dr. Muhammad Asad Saeed	An updated landscape on nanopharmaceutical delivery for mitigation of colon cancer	Naunyn-Schmiedeberg's Archives of Pharmacology	W	3.1	2024

6	Dr. Huma Hameed	Updated insights of active cosmetic ingredients against blue light: In vivo and in vitro evidence	Journal of Drug Delivery Science and Technology	W	4.5	2024
7	Dr. Huma Hameed, Dr. Hafiz Shoaib Sarwar & Dr. Muhammad Jamshaid	Exploring the potential of nanomedicine for gene therapy across the physicochemical and cellular barriers	Functional and Integrative Genomics	X	3.9	2024
8	Dr. Huma Hameed	A comprehensive review on lipid-based nanoparticles via nose to brain targeting as a novel approach	Journal of Microencapsulation	X	3	2024
9	Dr. Huma Hameed	Mentha aquatica (Water Mint) as a Source of Active Pharmaceutical and Cosmetic Ingredients: A Critical Review	Phytotherapy Research	W	6.1	2024
10	Dr. Huma Hameed	Revolutionizing cancer treatment via bioengineered extracellular vesicles: Exploring nanovesicles to fully synthetic solutions	Applied Materials Today	W	7.2	2024
11	Dr. Huma Hameed	Liposomes like advanced drug carriers: from fundamentals to pharmaceutical applications	Journal of Microencapsulation	W	3	2024
12	Dr. Huma Hameed	Comprehensive insights on treatment modalities with conventional and herbal drugs for the treatment of duodenal ulcers	Naunyn-Schmiedeberg's Archives of Pharmacology	W	3.1	2024

13	Dr. Huma Hameed	Nanoparticle-based Gene Therapy for Neurodegenerative Disorders	Mini-Reviews in Medicinal Chemistry	W	3.3	2024
14	Dr. Huma Hameed	Buccal films: an assessment of protuberant features, manufacturing contemplations, formulation techniques & characterization strictures	International Journal of Polymeric Materials and Polymeric Biomaterials	X	2.5	2024
15	Dr. Huma Hameed, Dr. Muhammad Zaman, Dr. Hafiz Shoaib Sarwar & Dr. Imtiaz Majeed	Niosome-based gels: a smart nano-carrier for effective and advanced transdermal drug delivery	International Journal of Polymeric Materials and Polymeric Biomaterials	X	2.5	2024
16	Dr. Huma Hameed & Dr. Mahtab Ahmad Khan	Chitin: A versatile biopolymer-based functional therapy for cartilage regeneration	International Journal of Biological Macromolecules	W	7.7	2024
17	Dr. Huma Hameed, Dr. Hafiz Shoaib Sarwar & Dr. Muhammad Jamshaid	A Comprehensive Review of Hydrogel-Based Drug Delivery Systems: Classification, Properties, Recent Trends, and Applications	AAPS PharmSciTech	W	3.4	2024

18	Dr. Huma Hameed	Ethosomes: a potential nanovesicular carrier to enhancing the drug delivery against skin barriers	Journal of Microencapsulation	W	3	2024
19	Dr. Huma Hameed	Evaluation of Plant-Based Silver Nanoparticles for Antioxidant Activity and Promising Wound-Healing Applications	ACS Omega	W	3.7	2024
20	Dr. Muhammd Zaman, Dr. Mahtab Ahmad Khan, Dr. Huma Hameed & Dr. Muhammad Shafiq Ur Rehman		ACS Omega	W	3.7	2024
21	Dr. Muhammad Zaman & Dr. Huma Hameed	DMARDS incorporated injectable hydrogels in cartilage tissue regeneration: a review	Polymer-Plastics Technology and Materials	Y	2.6	2024
22	Dr. Huma Hameed	A comprehensive review on transethosomes as a novel vesicular approach for drug delivery through transdermal route	Journal of Liposome Research	W	4.4	2024
23	Dr. Ghulam Jilany	Extracellular vesicle-derived miR-146a as a novel crosstalk mechanism for high-fat induced atherosclerosis by targeting SMAD4	Journal of Advanced Research	W	11.4	2024

24	Dr. Ghulam Jilany	Thymus as incontrovertible target of immune modulatory future therapeutics	Endocrine, Metabolic & Immune Disorders - Drug Targets	X	2	2024
25	Dr. Ghulam Jilany	Exploring the molecular mechanism of <i>Artemisia rupestris</i> L. for the treatment of hepatocellular carcinoma via PI3K/AKT pathway	Journal of Ethnopharmacology	W	4.8	2024
26	Dr. Ghulam Jilany	Non-Muscle Myosin IIC as a Prognostic and Therapeutic Target in Cancer	Journal of Biomedical Nanotechnology	X	Non-Impact Factor	2024
27	Dr. Ghulam Jilany	Targeted intervention of natural medicinal active ingredients and traditional Chinese medicine on epigenetic modification: possible strategies for prevention and treatment of atherosclerosis	Phytomedicine	W	6.7	2024
28	Dr. Ghulam Jilany	Effects of <i>Curcuma Longa</i> L. and <i>Piper Nigrum</i> L. against Methicillin resistant <i>Staphylococcus Aureus</i> and infectious angiogenesis	Journal of Biobased Materials and Bioenergy	Y	Non-Impact Factor	2024
29	Dr. Ghulam Jilany	The potential mechanism of <i>Isodon suzhouensis</i> against COVID-19 via EGFR/TLR4 Pathway	Food Science and Human Wellness	W	5.6	2024
30	Dr. Muhammad Zaman, Dr. Shafiq Ur Rehman & Dr. Imtiaz Majeed	Navigating the tumor microenvironment: mesenchymal stem cell- mediated delivery of anticancer agents	Journal of Drug Targeting	W	4.3	2024

31	Dr. Muhammad Asad Saeed	Antipyretic, Antidiabetic and Irritant studies on the Methanolic Extracts and Polyherbal Mixture of Breynia disticha J.R. Forst. and G. Forst. and Vernonia elaeagnifolia DC	Research Journal of Pharmacy and Technology	Y	Non-Impact Factor	2024
32	Dr. Muhammad Zaman & Dr. Muhammad Asad Saeed	Design, optimization & characterization of niosomal & polymeric nanoparticles	International Journal of Polymeric Materials and Polymeric Biomaterials	X	2.5	2024
33	Dr. Hafiz Shoaib Sarwar & Dr. Muhammad Asad Saeed	Thermosensitive Sol-Gel System Containing Vancomycinloaded Thiomeric Nanoparticles for Enhanced Permeation Across Nasal Membrane	Cellulose Chemistry and Technology	X	1.3	2024
34	Dr. Muhammad Asad Saeed & Dr. Muhammad Zaman	High-performance liquid chromatography-based analytical techniques for simultaneous determination of Naltrexone hydrochloride (NTX) and Bupropion hydrochloride (BUP): a comprehensive review	Discover Applied Sciences	Non-Recognized	Non-Impact Factor	2024
35	Dr. Muhammad Asad Saeed, Dr. Muhammad Zaman & Dr. Mahtab Ahmad Khan	Physicochemical Evaluation and Pharmacological Screening of Fernando Adenophylla Steenis Fruits	Chemistry & Biodiversity	X	2.3	2024

36	Dr. Muhammad Zaman, Dr. Mahtab Ahmad Khan & Dr. Muhammad Jamshaid	Antiacne Gel Containing Aloe vera and Clindamycin Phosphate: Design, Characterization, and Optimization Using Response Surface Methodology	International Journal of Polymer Science	X	3.4	2024
37	Waqas Akram & Dr. Mahtab Ahmad Khan	Comparison of EKFC, Pakistani CKD-EPI and 2021 Race-Free CKD-EPI creatinine equations in South Asian CKD population: A study from Pakistani CKD community cohort	PLoS ONE	W	2.9	2024
38	Dr. Muhammad Jamshaid	Synthesis of vitamin D3 loaded ethosomes gel to cure chronic immune-mediated inflammatory skin disease: physical characterization, in vitro and ex vivo studies	Scientific Reports	W	3.8	2024
39	Tehseen Riaz & Dr. Muhammad Zaman	Recent advancements and various potential applications of transdermal patches	International Journal of Polymeric Materials and Polymeric Biomaterials	X	2.5	2024
40	Dr. Hafiz Shoaib Sarwar	Solid Self-Nanoemulsifying Drug Delivery Systems of Furosemide: In Vivo Proof of Concept for Enhanced Predictable Therapeutic Response	Pharmaceuticals	W	4.3	2024

41	Dr. Muhammad Zaman & Dr. Muhammad Nadeem Alvi	Response Surface Methodology (RSM) approach to formulate and optimize the bilayer combination tablet of Tamsulosin and Finasteride	Saudi Pharmaceutical Journal	W	3	2024
42	Tehseen Riaz, Dr. Muhammad Zaman & Dr. Muhammad Imtiaz Majeed	A comprehensive review on transdermal patches as an efficient approach for the delivery of drug	Polymer-Plastics Technology and Materials	Y	2.6	2024
43	Dr. Muhammad Zaman	Novel insulin-montmorillonite sodium complex containing pH regulated nanocomposite hydrogels	Journal of Drug Delivery Science and Technology	W	4.5	2024
44	Dr. Muhammad Shafeeq Ur Rehman	Development and characterization of stimuli responsive quince gum/ β -CD grafted poly (methacrylate) hydrogels for controlled delivery of acyclovir	Polymer Bulletin	X	3.1	2024
45	Dr Muhammad Zaman, Dr. Hafiz Shoaib Sarwar & Dr. Muhammad Jamshaid	Vesicular approach of cubosomes, its components, preparation techniques, evaluation and their appraisal for targeting cancer cells	Journal of Liposome Research	W	4.4	2024

46	Dr. Hafiz Shoaib Sarwar	Revolutionizing Hypertension Management: Cutting-Edge Microneedle Patch Infused with Zinc Oxide Nanoparticles for Advanced Transdermal Drug Delivery	BioNanoScience		3	2024
47	Dr. Hafiz Shoaib Sarwar & Dr. Muhammad Umar Farooq	Cholic Acid-Grafted Thiolated Chitosan-Enveloped Nanoliposomes for Enhanced Oral Bioavailability of Azathioprine: In Vitro and In Vivo Evaluation	ACS Omega	W	3.7	2024
48	Dr. Hafiz Shoaib Sarwar & Dr. Muhammad Zaman	Macrophage targeted nanocarriers containing methotrexate against arthritis	Journal of Drug Delivery Science and Technology	W	4.5	2024
49	Dr. Muhammad Umar Farooq	Waking up to the Naegleria threat: urgent measures needed to protect public health in Pakistan	Expert Review of Anti-Infective Therapy	W	4.2	2024
50	Dr. Waqas Akram, Dr. Mahtab Ahmad Khan & Dr. Muhammad Nadeem Alvi	Comparison of Pakistani CKD-EPI, new Asian-modified CKD-EPI and revised Lund-Malmö study equations in a South Asian CKD population: a study from a Pakistani CKD cohort	Journal of Nephrology	W	2.7	2024

5. Faculty of Humanities and Social Sciences (FHSS)

Sr. No.	Faculty Member's Name	Publication Title	Journal	Category	Impact Factor	Year
1.	Dr. Bushra Naz	Psychological Distress, Resilience and Academic Achievement Among School Student After the Second Year of Covid- 19	Journal of Research & Reviews in Social Sciences Pakistan (2617 - 5029)	Y	Non-Impact Factor	2024
2.	Dr. Bushra Naz	Adaptation And Validation of The Compil Coping-Strategy Scale for Infertile Men and Women	Journal of Population Therapeutics and Clinical Pharmacology	X	Non-Impact Factor	2024
3.	Dr. Bushra Naz	Psychological Distress and Professional Competency Among Medical Professionals: The Mediating Role of Work Motivation	Journal of Population Therapeutics and Clinical Pharmacology	X	Non-Impact Factor	2024
4.	Dr. Sawaira Rashid& Dr. Abdul Mateen Khan	Political Instability in Pakistan: An Analytical Study	International Journal of Contemporary Issues in Social Sciences	Y	Non-Impact Factor	2024

5.	Dr. Arslan Tariq Rana & Dr. Mohammad Irfan Ali	International Trade and Environmental Degradation: A Developing World Perspective	Global Economics Review (GER)	Y	Non-Impact Factor	2024
6.	Dr. Mohammad Irfan Ali	Saudi Arabia's Foreign Policy Under MBS: Transition from Defensive Realism to Offensive Realism (2016-2023)	Global International Relations Review (GIRR)	Y	Non-Impact Factor	2024
7.	Dr. Mohammad Irfan Ali	Astro-Politics: US-India Strategic Cooperation in Space and its Implications for China (2000-2024)	Global Regional Review (GRR)	Y	Non-Impact Factor	2024
8.	Dr. Mohammad Irfan Ali	Variations in Pakistan's Policy of Neutrality during the Middle Eastern Conflicts	Annals of Human and Social Sciences AHSS	Y	Non-Impact Factor	2024
9.	Dr. Mohammad Irfan Ali	The Impact of Private Television Crime Shows on Youth: Examining the Link Between Media Consumption and Aggressive Behavior	Global Mass Communication Review (GMCR)	Y	Non-Impact Factor	2024
10.	Dr. Mohammad Irfan Ali	Children's Content Exposure and Academic Performance: A Quantitative Study to Explore Parental Perceptions	Global Mass Communication Review (GMCR)	Y	Non-Impact Factor	2024
11.	Dr. Mohammad Irfan Ali	Environmental Challenge as a Common Threat Impacting Maritime Security Operations	Global Strategic & Security Studies Review (GSSSR)	Y	Non-Impact Factor	2024

12.	Dr. Arslan Tariq Rana & Dr. Waheed Khan	Environmental Policy and CO 2 Emissions: A Study of South Asian Countries	Journal of Applied Research and Multidisciplinary Studies	Y	Non-Impact Factor	2024
13.	Dr. Arslan Tariq Rana	Social Clauses in Free Trade Agreements: An Efficient Tool to Improve Labour Standards?	World Economy	W	2.6	2024
14.	Dr. Arslan Tariq Rana & Dr. Waheed Khan	Impact of Tariff and Nontariff Barriers on Pakistan's Exports: Accounting for Product Heterogeneity	Global Economics Review	Y	Non-Impact Factor	2024
15.	Dr. Arslan Tariq Rana & Dr. Muhammad Ilyas Ansari	Impact of Entrepreneurship on Exports in Developing Countries	Global Management Sciences Review	Y	Non-Impact Factor	2024
16.	Dr. Arslan Tariq Rana	Trade agreements and CO2 emissions in Asian countries: accounting for institutional heterogeneity	Environmental Science and Pollution Research	W	Non-Impact Factor	2024
17.	Dr. Muhammad Irfan Ali & Dr. Waheed Khan	Variations in Pakistan's Policy of Neutrality during the Middle Eastern Conflicts	Annals of Human and Social Sciences AHSS	Y	Non-Impact Factor	2024

18.	Dr. Alia Asmat	Unseen Heroes: Exploring the Impact of Schizophrenia Caregiving on Families	Journal of Evaluation in Clinical Practice	W	2.1	2024
19.	Dr. Alia Asmat	Stigma, caregiver burden, and expressed emotions: the moderating role of self-compassion in caregivers of substance use disorder	JPMA. The Journal of the Pakistan Medical Association	X	0.8	2024
20.	Dr. Alia Asmat	Exploring the role of personality traits as mediators of mental health in Pakistani commuters	JPMA. The Journal of the Pakistan Medical Association	X	0.8	2024
21.	Dr. Alia Asmat	Beyond bereavement: Identifying risk and protective factors for prolonged grief disorder	Death Studies	W	2.1	2024
22.	Dr. Alia Asmat	Clinician's perspective about risk and protective factors of substance use: a qualitative exploration	Journal of Substance Use	X	0.6	2024
23.	Dr. Alia Asmat	Exploration of the initiation of substance use among Pakistani adolescents: a qualitative approach	Journal of Substance Use	X	0.6	2024
24.	Dr. Muhammad Usman Askari	China's Policy Toward Afghanistan and Its Impact on India	China Quarterly of International Strategic Studies	X	0.2	2024
25.	Abdul rehman	A Tri-Perspective Analysis of the 1971 Indo- Pak War: Individual State and ystemic Dimensions	Kurdish Studies	W	Non-Impact Factor	2024

26.	Abdul rehman	Digital Education Diplomacy and Student Mobility:Trends, and Challenges	Remittances Review	X	Non-Impact Factor	2024
27.	Dr. Mohammad Irfan Ali& Abdul rehman	Astro-Politics: US-India Strategic Cooperation in Space and its Implications for China (2000-2024).	Global Regional Review	Y	Non-Impact Factor	2024
28.	Abdul rehman & Dr Mohammad Irfan Ali	Environmental Challenge as a Common Threat Impacting Maritime Security Operations	Global Strategic & Security Studies Review	Y	Non-Impact Factor	2024
29.	Dr. Sawaira Rashid	Pakistan' Strategic Balancing between the United States and China within the Framework of the China-Pakistan Economic Corridor	International Journal of Contemporary Issues in Social Sciences	Y	Non-Impact Factor	2024
30.	Dr. Sawaira Rashid	Climate Change Impacts on Migration, Poverty, and Health Issues in Pakistan: A Comprehensive Analysis	Pakistan Languages and Humanities Review	Y	Non-Impact Factor	2024
31.	Dr. Sawaira Rashid	Safeguarding Maritime Trade Corridors: The Crucial Role of Infrastructure Development and Port Security Measures	International Journal of Contemporary Issues in Social Sciences	Y	Non-Impact Factor	2024

32.	Dr. Sawaira Rashid	The Indian Ocean: Strategic Significance in Major Powers' Foreign Policies	International Journal of Contemporary Issues in Social Sciences	Y	Non-Impact Factor	2024
33.	Dr. Humera Akhtar	India 2.0: A strategic transformation from slumber to hyper- nationalism under Modi Regime	Journal of Politics and International Studies	Y	Non-Impact Factor	2024
34.	Uzma Ilyas	Social anxiety and psychological distress among polycystic ovarian syndrome patients in Pakistan	JPMA. The Journal of the Pakistan Medical Association	X	0.9	2024
35.	Uzma Ilyas	Experiential avoidance, thought suppression, meta-cognition, and body-checking among women during pregnancy and postpartum: Buffering effect of self- compassion	International Journal of Gynecology and Obstetrics	W	3.8	2024
36.	Uzma Ilyas	Long term effects of childhood trauma and abuse: narrative on functional neurological disorder	JPMA. The Journal of the Pakistan Medical Association	X	0.9	2024
37.	Amber Baseer & Uzma Ilyas	Influencing Factor of Self- Concealment and Its Impact on Quality ofLife in Patients with Rheumatoid Arthritis	Journal of Population Therapeutics and Clinical Pharmacology	X	Non-Impact Factor	2024

38.	Amber Baseer	An Experimental Study: Does Watching a Video Change Perceptions?	International Journal of Contemporary Issues in Social Sciences	Y	Non-Impact Factor	2024
39.	Amber Baseer & Arooj Nazir	Escapism, The Need for Affect and Transportation as Predictors of Binge Watching in University Students	International Journal of Contemporary Issues in Social Sciences	Y	Non-Impact Factor	2024
40.	Amber Baseer	Exploring the Challenges, Coping Strategies and Motivational Factors of Non-Traditional Pakistani University Students	Human Nature Journal of Social Sciences	Y	Non-Impact Factor	2024
41.	Arooj Nazir	Relationship of Online Gaming with Self Control, Problem Solving and Social Zapping in Young Adult Gamers	Online Media and Society	Y	Non-Impact Factor	2024
42.	Arooj Nazir	The Impact of Culture Shock and Psychological Adjustment on Mental Well-Being in International Students	Pakistan Journal of Humanities And Social Sciences	Y	Non-Impact Factor	2024
43.	Maryam Bibi	Being Fair in An Unfair World: Belief in Justice and Corporate Social Responsibility in Rescue 1122 Workers	Pakistan Journal of Humanities And Social Sciences	Y	Non-Impact Factor	2024

44.	Maryam Bibi	Cyberbullying, Fear of Missing Out and Self-Perception in Adolescents	Jahan-e-Tahqeeq	Y	Non-Impact Factor	2024
45.	Syeda Ayesha Noor	Stigma, Social Comparison, and Psychological Distress in Type 2 Diabetic Patients	Pakistan Journal of Psychological Research	Y	Non-Impact Factor	2024
46.	Syeda Ayesha Noor	Intolerance of Uncertainty and Multidimensional Perfectionism In Individuals with Ocd: The Mediating Role of Self-Compassion	Journal of Population Therapeutics and Clinical Pharmacology	X	Non-Impact Factor	2024
47.	Amber Baseer	Schadenfreude in Working Women of Lahore: A Phenomenological Study	Journal of Professional & Applied Psychology	Y	Non-Impact Factor	2024
48.	Ayesha Manzoor	Evaluating the Societal Impact of Climate Change on Mental Health: Heat-Related Stress, Anxiety, and Depression in Vulnerable Populations	Contemporary issues in social sciences and management practices	Y	Non-Impact Factor	2024
49.	Maryam Bibi & Arooj Nazir	Perceptions of Married Adults Regarding Extramarital Affairs in Lahore, Pakistan	Human Nature Journal of Social Sciences	Y	Non-Impact Factor	2024
50.	Hamid Bilal	Emotional Intelligence, Resilience and Aggression in University Students	International Journal of Contemporary Issues in Social Sciences	Y	Non-Impact Factor	2024

51.	Hamid Bilal	Ostracism and Depression Among Older Adults: A Case of Punjab, Pakistan	International Journal of Contemporary Issues in Social Sciences	Y	Non-Impact Factor	2024
52.	Arooj Nazir	Psychological Distress and Professional Competency Among Medical Professionals: The Mediating Role of Work Motivation	Journal of Population Therapeutics and Clinical Pharmacology	X	Non-Impact Factor	2024

6. Faculty of Languages & Literature (FLL)

Sr. No.	Faculty Member's Name	Publication Title	Journal	Category	Impact Factor	Year
1.	Dr. Shafaat Yar Khan	Child Apologue: Mahmoud Darwish & the Palestinian Childhood	Journal of Research in Humanities	Y	Non-Impact Factor	2024
2.	Dr. Shafaat Yar Khan	Exploring global linguistic nuances: analyzing region- specific inflectional morpheme frequency in ICNALE	Asian-Pacific Journal of Second and Foreign Language Education	W	1.5	2024

3.	Dr. Shafaat Yar Khan	Tragedizing the Villain: Shakespearean Perspective on Iago as a Tragic Character	Linguistics and Literature Review	Y	Non-Impact Factor	2024
4.	Dr. Shafaat Yar Khan	A Traumatic Study of the Selected Short Stories of Jamil Jan Kochai's the Haunting of Hajji Hotak and Other Stories	Kurdish Studies	W	Non-Impact Factor	2024
5.	Dr. Shafaat Yar Khan	Hegemony and Resistance: A Foucauldian Discourse Analysis of Daniyal Mueenuddin's Selected Short Stories in Other Rooms, Other Wonders	Kurdish Studies	W	Non-Impact Factor	2024
6.	Dr. Shafaat Yar Khan	The World of the Villain: Shakespeare's Tragi-Moral Paradigm	Critical Review of Social Sciences and Humanities	Y	Non-Impact Factor	2024
7.	Dr. Shafaat Yar Khan	National Narrative and America: Political World Makingin Benazir Bhutto's Daughter of the East	Kurdish Studies	W	Non-Impact Factor	2024
8.	Dr. Tahir Saleem	From interaction to expression: the influence of padlet on Saudi EFL learners' speaking competence	Amazonia Investiga	X	0.5	2024
9.	Dr. Tahir Saleem	Exploring global Linguistic nuances: analyzing region- specific inflectional morpheme frequency in ICNALE	Asian-Pacific Journal of Second and Foreign Language Education	W	1.5	2024

10.	Dr. Tahir Saleem	Beyond bereavement: Identifying risk and protective factors for prolonged grief disorder	Death Studies	W	2.8	2024
11.	Dr. Tahir Saleem	Gender-Based Study of Paired Monophthongs: A Sociophonetics Approach	31- Language Linguistics Literature- The Southeast Asian Journal of English Language Studies	W	0.6	2024
12.	Dr. Mahwish Farooq	"Decoding the Effects of Nursery Rhymes on Phonological Awareness in Preschoolers in Pakistan"	Pakistan Journal of Society Education and Language	Y	Non-Impact Factor	2024
13.	Dr. Muhammad Aslam	Exploring global Linguistic nuances: analyzing region- specific inflectional morpheme frequency in ICNALE	Asian-Pacific Journal of Second and Foreign Language Education	W	1.5	2024
14.	Dr. Muhammad Aslam	The World of the Villain: Shakespeare's Tragi-Moral Paradigm	Critical Review of Social Sciences and Humanities	Y	Non-Impact Factor	2024

15.	Dr. Khalid Ahmad	Vocabulary Learning Strategies Used by The Students of Intermediate Level	Xi'an Shiyou Daxue Xuebao (Ziran Kexue Ban)/Journal of Xi'an Shiyou University, Natural Sciences Edition	X	Non-Impact Factor	2024
16.	Dr. Khalid Ahmad	“The Donkey King” among the kings of the world: Semiotics of Animation	Remittances Review	X	Non-Impact Factor	2024
17.	Dr. Khalid Ahmad	Societal Stigmatization and Support Mechanism for Rape Victims: An Analysis of Linguistic Features of Rape Judgments in Pakistan	Pakistan Journal of Life and Social Sciences ISSN: 2221-7630	Y	Non-Impact Factor	2024
18.	Dr. Khalid Ahmad	Navigating The Legal Landscape: A Discourse Analysis of Domestic Law in Pakistan	International Research Journal of Social sciences and Humanities (IRJSSH) ISSN: 2959-1352	Y	Non-Impact Factor	2024
19.	Dr. Khalid Ahmad	Implementing Improvisation Techniques to Teach Spoken English at Undergraduate Level: A Classroom Action Research	International Journal of Linguistics and Culture SSN:2788-8347	Y	Non-Impact Factor	2024

20.	Dr. Khalid Ahmad	Pragmatic Perception of Politeness in Disagreement by Pakistani ESL Learners		Y	Non-Impact Factor	2024
21.	Dr. Khalid Ahmad	Exploring Social Stratification Ideologies in Pakistani Secondary English Textbooks	Migration Letters ISSN:1741-8992	Y	Non-Impact Factor	2024
22.	Dr. Muhammad Safdar	Farizan's If You Could Be Mine: Home, Citizenship, and Homosexuality	Intersections: Gender and Sexuality in Asia and the Pacific	Y	0.7	2024
23.	Dr. Muhammad Safdar	Gender, Sexuality, and Islam in Muslim Women's English Literature	Intersections: Gender and Sexuality in Asia and the Pacific	Y	0.7	2024
24.	Dr. Muhammad Safdar	Solidifying interstitial space (the third gender) for hijra/khwajasara through Islamic feminist hermeneutics: a trans inclusive approach	Contemporary Islam	W	1	2024
25.	Rakshanda Furnaz	Celebration Of 'White Supremacy': A Critical Stylistic Analysis of Tarzan of The Apes	Migration Letters	X	Non-Impact Factor	2024
26.	Rakshanda Furnaz	Celebration Of 'White Supremacy': A Critical Stylistic Analysis of Tarzan of The Apes	Migration Letters	X	Non-Impact Factor	2024

27.	Rakshanda Furnaz	Effectiveness of Counseling Sessions to Provide Error Analysis to Improve English Functional Skills of The Undergraduate Students Of UCP, Lahore	International Journal of Contemporary Issues in Social Sciences	Y	Non-Impact Factor	2024
28.	Huma Rauf	American withdrawal from Afghanistan: A Print Media representation through Pakistani and American Newspapers	Remittances Review	X	Non-Impact Factor	2024

7. Faculty of Engineering (FOE)

Sr. No.	Faculty Member's Name	Publication Title	Journal	Category	Impact Factor	Year
1.	Dr. Muhammad Awais Shafique	Signal control for overflow prevention at intersections using partial connected vehicle data	Transportmetrica A: Transport Science	W	3.6	2024
2.	Dr. Muhammad Awais Shafique	Improving ridership by predicting train occupancy levels	Journal of Public Transportation	W	2	2024

3.	Dr. Muhammad Awais Shafique	Collision-free Merging Control via Trajectory Optimization for Connected and Autonomous Vehicles	Transportation Research Record	W	1.6	2024
4.	Dr. Muhammad Awais Shafique	Comparative analysis of alternative fuels and powertrains for goods transport vehicles: A case study of Catalonia, Spain	Pakistan Journal of Engineering and Applied Sciences	Y	Non-Impact Factor	2024
5.	Dr. Muhammad Awais Shafique	Developing a Vehicle Selection Procedure for Logistic Operators of Catalonia, Spain	Pakistan Journal of Engineering and Applied Sciences	Y	Non-Impact Factor	2024
6.	Dr. Riaz Ahmad Rana	A novel proactive frequency control based on -DoF-TMPC-1+PI-FOPI for a high order power system with communication delays and uncertainties	Computers and Electrical Engineering	W	4	2024
7.	Dr. Sadaf Zeeshan	A review of major trends, opportunities, and technical challenges in biodiesel production from waste sources	Energy Conversion and Management: X	W	7.1	2024
8.	Dr. Sadaf Zeeshan	In-Depth Evaluation Of Automated Fruit Harvesting in Unstructured Environment for Improved Robot Design	Machines	W	2.1	2024
9.	Dr. Muhammad Babur	Divergent Path: Isolating Land Use and Climate Change Impact on River Runoff	Frontiers in Environmental Science	W	3.3	2024

10.	Dr. Muhammad Babur	Impact of Microplastics on soil (physical and chemical) properties, soil biological properties/soil biota, and response of plants to it: a review	International Journal of Environmental Science and Technology	W	3	2024
11.	Dr. Muhammad Babur	Boosting-based ensemble machine learning models for predicting unconfined compressive Strength of geopolymers stabilized clayey soil	Scientific Reports	W	3.8	2024
12.	Dr. Muhammad Kashif	BPNN model- based AI for the estimation of soot data from flame luminosity emissions in H ₂ /N ₂ diluted ethylene laminar diffusion flames	Experimental Thermal and Fluid Science	W	3.2	2024
13.	Dr. Ali Faisal Murtaza	State-Space Modeling, Design, and Analysis of the DC-DC Converters for PV Application: A Review	Sustainability	W	3.9	2024
14.	Dr. Muhammad Kashif	Simultaneous soot parameters fields predictions accuracy improvements in laminar sooting flames from soot radiation measurements — a multi-task learning approach	Measurement	X	5.2	2024

15.	Dr. Ali Faisal Murtaza	An improved 0.8VOC model based global maximum power point tracking algorithm for photovoltaic system	International Journal of Circuit Theory and Applications	X	2.3	2024
16.	Nabeel Khalid	Critical analysis of Parkinson's disease detection using EEG sub-bands and gated recurrent unit	Engineering Science and Technology, an International Journal	W	5.1	2024
17.	Dr. Rizwan Shad	Techno-economic analysis and optimization of 50 MWe linear fresnel reflector solar thermal power plant for different climatic conditions	Case Studies in Thermal Engineering	W	6.4	2024
18.	Dr. Muhammad Kamran Saleem	Near-field metasurface sensor for an early-stage breast cancer detection	Sensors International	X	Non-Impact Factor	2024
19.	Dr. Muhammad Kamran Saleem	Floating Satellite with Ultrasonic Radar Payload for Debris Detection	UCP Journal of Engineering & Technology	Non-Recognized	Non-Impact Factor	2024

8. Faculty of Law (FOL)

Sr. No.	Faculty Member's Name	Publication Title	Journal	Category	Impact Factor	Year
1.	Freeha Khaled	Reproductive Rights and Women's Empowerment in Pakistan: A Policy and Socio-Cultural Analysis	Al-Kashaf	Y	Non-Impact Factor	2024
2.	Freeha Khaled	Educational Technology (Edtech) In the Context of The Muslim World: Innovations and Applications for Learning	Pakistan Journal of Law, Analysis and Wisdom	Y	Non-Impact Factor	2024
3.	Zeeshan Ashraf	Revolutionising Islamic Banking Dispute Resolution in Malaysia: The Potential of E- Arbitration	Manchester Journal of Transnational Islamic Law & Practice	Y	Non-Impact Factor	2024

9. Faculty of Media and Mass Communication (FMMC)

Sr. No.	Faculty Member's Name	Publication Title	Journal	Category	Impact Factor	Year
1.	Dr. Ali Ashraf	News Management of Pakistan Electronic Media: A Study of Human and Technological Aspects Influencing News of TV Channel	UCP Journal of Mass Communication	Y	Non-Impact Factor	2024
2.	Dr. Noor Hayat	Modality in critical discourse analysis: president Zardari's perspective on terrorism in Pakistan.	Remittances Review	X	Non-Impact Factor	2024
3.	Dr. Noor Hayat	Self-censorship by Pakistani YouTube Journalists and Its Difference from Mainstream Media	Remittances Review	X	Non-Impact Factor	2024
4.	Dr. Atif Ashraf	Echo Chamber Effect of Fake Political News in Spreading Misinformation: A Study of Facebook Users in Pakistan with Moderating Role of Media Literacy	Remittances Review	X	Non-Impact Factor	2024

5.	Dr. Atif Ashraf	Fear, Fair, or Favor? How Senior Journalists Practice Self-Censorship, A Study of Top News Channels in Pakistan.	Journal of Professional Research in Social Sciences	Y	Non-Impact Factor	2024
6.	Dr. Atif Ashraf	Impression Management Strategies on Instagram: A Study of University Students in Faisalabad	Remittances Review	X	Non-Impact Factor	2024
7.	Dr. Atif Ashraf	resilience-focused approach: Exploring practices of Pakistani journalists in covering flood risk	Journal of Media and Entrepreneurial Studies	Y	Non-Impact Factor	2024
8.	Dr. Fawad Baig	Pak-India relations: A comparative analysis of political cartoons.	Media, War & Conflict	W	1.7	2024
9.	Dr. Fawad Baig	Investigating the relationship between personality traits and motivations to use social media among university students in Pakistan	Journal of Communication and Media Technologies	X	0.7	2024
10.	Dr. Fawad Baig	Relationship of Smartphone Use and Job Performance: Insight from Electronic Media Industry in Pakistan.	FWU Journal of Social Sciences	X	0.8	2024
11.	Dr. Fawad Baig	Voices of Resistance and Cultural Identity: A Thematic Analysis of Pakistani Rap Songs (2019-2021).	Remittances Review	X	Non-Impact Factor	2024

12.	Dr. Fawad Baig	Enhancing emergency communication: A comprehensive analysis of the Rescue 1122 Mobile App.	Migration Letters	X	Non-Impact Factor	2024
13.	Dr. Fawad Baig	Relationship between the Big Five Personality Traits and Time Spent Using social media among University Students in Pakistan	Remittances Review	X	Non-Impact Factor	2024
14.	Dr. Hina Adeeb	Impact of the Mediating and Moderating Roles of Sustainable Entrepreneurial Intentions on Business Performance in Chinese SMEs.	Sustainability	W	3.3	2024
15.	Dr. Hina Adeeb	Exploring Gender Dynamics in Indian and Pakistani English poetry: A comparative Pragma-Stylistic Examination.	Word Journal	X	Non-Impact Factor	2024
16.	Dr. Saleem Akhtar	Mediatization's Impact on News Media Trust and Credibility: A Comprehensive Analysis of Viewer Perceptions	International Journal of Social Science Archives	Y	Non-Impact Factor	2024
17.	Dr. Saleem Akhtar	Examining the Role of Media in Execution of Police Reforms in Punjab, Pakistan	Gomal University Journal of Research		Non-Impact Factor	2024

4.4 Best Researcher & Innovator Award

The practical outcome of faculty members' collective research and innovative work is essential for the university to achieve its mission in the context of becoming a research-intensive institute. In order to acknowledge the research and creative efforts of faculty members, University of Central Punjab (UCP) offers the Best Researcher and Innovator Award (BRIA), both at university and faculty levels, on account of extraordinary performance in his/her area of interest.

Dr. Arslan Tariq Rana,
Associate Professor,
Faculty of Humanities and
Social Sciences (FHSS)













Dr. Atif Ashraf,
Assistant Professor,
Faculty of Media and Mass
Communication (FMMC)














4.5 Top Cited Researchers

According to most reputed Web of Science (WoS) database, the citations of UCP have enhanced remarkably, which means that local and international research community are referring to the research work of UCP in their publications, thus, acknowledging the quality of research at UCP.

Series No.	Name	Picture	Designation/ Faculty	Citations	H-index	i10-index
1.	Dr. Muhammad Naveed		HoD/Associate Professor/ Faculty of Science & Technology (FOST)	12933	37	86
2.	Dr. Jawad Abbas		Assistant Professor/ Faculty of Management Sciences (FOMS)	6800	41	55
3.	Dr. Sumera Zaib		HoD/Associate Professor/ Faculty of Science & Technology (FOST)	4624	37	111
4.	Dr. Muzammil Hussain		Associate Professor/ Faculty of Information Technology and Computer Science (FOIT&CS)	4587	40	44

5.	Dr. Ghulam Jilany Khan		Associate Professor/ Faculty of Pharmaceutical Sciences (FOPS)	3378	28	52
6.	Prof. Dr. Muhammad Akhyar Farrukh		Professor/ Faculty of Science & Technology (FOST)	3310	32	75
7.	Dr. Hafiz Rizwan Sharif		Associate Professor/ Faculty of Science & Technology (FOST)	2993	21	30
8.	Dr. Saira Andleeb Gillani		Professor/ Faculty of Information Technology and Computer Science (FOIT&CS)	2346	18	22
9.	Dr. Muhammad Jamshaid		Professor/ Faculty of Pharmaceutical Sciences (FOPS)	2241	29	58
10.	Dr. Muhammad Zaman		Associate Professor/ Faculty of Pharmaceutical Sciences (FOPS)	2183	24	74

11.	Dr. Shahid Saeed Siddiqi		HoD/Professor/ Faculty of Science & Technology (FOST)	2166	29	59
12.	Dr. Ahmad Faisal Imtiaz Siddiqi		Professor/ Faculty of Management Sciences (FOMS)	1898	18	26
13.	Dr. Raja Irfan Sabir		Associate Professor/ Faculty of Management Sciences (FOMS)	1636	21	34
14.	Mr. Farahat Ali		Senior Lecturer/ Faculty of Media and Mass Communication (FMMC)	1600	14	18
15.	Dr. Muhammad Riaz		Assistant Professor/ Faculty of Science & Technology (FOST)	1598	20	38
16.	Taimoor Hassan		Senior Lecturer/ Faculty of Information Technology and Computer Science (FOIT&CS)	1386	20	27

17.	Dr. Babar Hussain		Assistant Professor/ Faculty of Science & Technology (FOST)	1270	16	21
18.	Dr. Mahtab Ahmad Khan		Dean/ Professor/ Faculty of Pharmaceutical Sciences (FOPS)	1222	16	19
19.	Dr. Sadaf Hameed		Assistant Professor/ Faculty of Science & Technology (FOST)	1084	16	20
20.	Dr. Muhammad Saeed Shahbaz		Associate Professor/ Faculty of Management Sciences (FOMS)	1050	19	23
21.	Dr. Hammad Naveed		Pro-Rector, University of Central Punjab	1048	18	28

4.6 Faculty Members Scoring 100 plus Impact Factor (2024)

Impact factor score is one of the key metric parameters through which the research productivity of any researcher can be assessed. **Thirteen faculty** members of UCP have achieved 100+ impact factor score.



Dr. Hammad Naveed

Pro-Rector, UCP



Dr. Muhammad Rafiq

Professor

Faculty of Science &
Technology (FOST)



Prof. Dr. Muhammad

Akhyar

Farrukh

Professor

Faculty of Science &
Technology (FOST)



Dr. Sumera Zaib

HoD/Associate Professor

Faculty of Science &
Technology (FOST)



Dr. Khalida Naseem

Assistant Professor

Faculty of Science &
Technology (FOST)



Dr. Muhammad Naveed

Associate Professor/ HOD

Faculty of Science and
Technology (FOST)



Dr. Muhammad Zaman

Assistant Professor
Faculty of Pharmacy (FOPS)



Dr. Ghulam Jilany Khan

Associate Professor
Faculty of Pharmaceutical
Sciences (FOPS)



Dr. Huma Hameed

Assistant Professor
Faculty of Pharmaceutical
Sciences (FOPS)



Dr. Mahtab Ahmad Khan

Dean/ Professor
Faculty of Pharmaceutical
Sciences (FOPS)



Dr. Hafiz Shoaib Sarwar

Assistant Professor
Faculty of Pharmaceutical
Sciences (FOPS)



Dr. Ali Faisal Murtaza

Director Research/ Associate
Professor/ ORIC
Faculty of Engineering (FOE)



Dr. Muhammad Saadi

HoD/ Associate Professor
Department of Engineering
(FOE)



Hafiz Rizwan Shareef

FOST

4.7 Consultancies, Civic Engagements and Policy Advocacy

4.7.1 Consultancies

4.7.1.1 Consultancy Projects Executed through ORIC



UCP – ORIC is successfully executing following 7 consultancies.

Sr. No.	Title of Project	Name of PI	Company Details (Name, Country, etc.)	Amount	Project Timelines	Type of Consultancy Services
1.	Conducting research on Hydrogen & Other fuels	Dr. Muhammad Pervaiz	Oil and Gas Regulatory Authority (OGRA)	960,000	6th Sept 2023 to 6th Sept 2024	Testing
2.	Consultant Research Fellow for “Induction of novel microbial secondary metabolites by fungus myxobacteria co-cultivation for Alzheimer’s disease	Dr. Sumera Zaib	University of Calgary Department of Clinical Neuroscience s 3330 Hospital Dr. NW Calgary, T2N 4N1, Alberta, Canada	Under-discussion	1st December 2024 and will continue until on 30th November 2025	Consultant Research Fellow

	treatment”					
3.	Consultancy for Crops breeding	Dr. Babar Hussain	Mansab Agro Seeds Pvt. Ltd	20000/visit	03 October 2023 to 3rd October 2024	Testing and Research
4.	Consultancy for Crops breeding	Dr. Babar Hussain	Weltop Seeds Ltd.	15,000/con sultancy	4 October 2023 to 3rd October 2024	Testing and Research
5.	Development of LMS of Hidayat International School	Mr. Usman Afzal	Hint Edu Tech Private Limited	100,000	1st Oct, 2023 to Sept 30, 2024	Prototype development
6.	Toxicological studies of more than 80 products	Mr. Sana Jameel and Dr. Imtiaz Majeed	Pacific Pharmaceutical Limited	1000000	15th Nov, 2023 to 14th Nov, 2024	Testing
7.	Development of Human Resource Information System (HRIS)	Dr. Muhammad Farooq	ADSolz (IT Company)	2400000	1ST Nov, 2023 to 30th Oct 2024	Prototype development

4.7.1.2 Consultancy Program Executed through ORIC during 2022-2024

UCP – ORIC has successfully executed the following 9 consultancies.

Sr. No	Title of Project	Name of PI	Company Details (Name, Country, etc.)	Amount	Project Timelines	Type of Consultancy Services
1.	Development of stable famotidine (Ulsin) tablet formulation.	Dr. Muhammad Zaman	Don Valley Pharmaceuticals (pvt.) Ltd	600000	1st Jan 2022 to 30th June 2022	Prototype development

2.	Drive the improvement of software quality, customer Experience, and maintainability of products/features	Mr. Mohsin Abbas	Viral Square	120000	1st Sept 2022 to 30th Nov 2022	Prototype development
3.	Researching Hydrogen & Other fuels	Dr. Muhammad Pervaiz	Oil and Gas Regulatory Authority (OGRA)	960,000	6th Sept 2023 to 6 th Sept 2024	Testing
4.	Consultancy for crop breeding	Dr. Babar Hussain	Mansab Agro Seeds Pvt. Ltd	20000/visit	03 October 2023 to 3 rd October 2024	Testing and Research
5.	Consultancy for crop breeding	Dr. Babar Hussain	Weltop Seeds Ltd.	15,000/consultancy	4 October 2023 to 3 rd October 2024	Testing and Research

4.7.1.3 Growth or Decline in Key Areas of Research and Innovation.

The Office of Research, Innovation and Commercialization (ORIC) at the University of Central Punjab (UCP) has shown consistent progress in research productivity, funding success, international collaboration, and faculty capacity building over the past four years.

Key Highlights:

Research Projects Submitted & Approved:

- i. 2022–2025: 207 projects submitted/Applied | 64 approved/secured
- ii. Marked growth in submissions (21 in 2022 to 70 in 2025*)
- iii. Marked growth in approvals (16 in 2022 to 64 in 2025*)

Annual Research Funding:

- i. Increased from an estimated PKR 5.8 million (2022) to PKR 10.58 million (2024)
- ii. Major contributors: PIF, NGIRI, Sunway University

Workshops on Proposal Development:

- i. 6 workshops held (2022–2025), engaging 250+ participants
- ii. Focused on ResearchProposal & grant writing, compliance,and interdisciplinary research

International Collaborations:

- i. 12 international research projects initiated with partners in Malaysia, UK, USA, Singapore, Colombia, Japan
- ii. 11 MOUs signed with foreign institutions

Faculty Research Output:

- i. 60+ joint publications
- ii. 45+ international conference presentations
- iii. Growing engagement in cross-border research supervision IPs Analysis
- iv. IPs in 2022 were 11 and in 2025 were improved to 82.

4.7.2 Civic Engagements

Civic engagement in a university plays a vital role in shaping well-rounded, socially responsible individuals. It involves students actively participating in activities that benefit their communities and enhance their understanding of societal issues. This can include volunteering, participating in service-learning projects, engaging in local governance, or joining campus organizations focused on social justice and community service. These experiences not only enrich students' academic learning but also foster a sense of responsibility, empathy, and leadership, preparing them to be active, informed citizens in their future careers and communities.

The following are the civic engagement

Sr. No.	Title of Event / Initiative	Date of Event	Component of community involved / addressed to.
1.	Professional Workshop Series - Interview Essentials	25 th Jan 24	Staff, Faculty and students
2.	CureMD - On Campus Hiring Opportunity for All Faculties	25 th Jan 24	Staff, Faculty and students

3.	Delightful Cappadocia Spring School 2024	30 th March to 6 th April	Staff, Faculty and students
4.	UCP Entrepreneurs Day!	31 st Jan 2024	Staff, Faculty and students
5.	Quran Hour Islamic Guidance Club	2 nd February 2024	Staff, Faculty and students
6.	Project and Poster Competition 2024- Participate to win upto PKR 100,000/- Prize money	7 th March 2024	Staff, Faculty and students
7.	Climate Change & Global Injustice	22 nd Aug 2024	Students, Faculty, Staff
8.	International Self Care Day	24 th July 2024	Students, Faculty, Staff
9.	Defence Day	6 th Sept 2024	Students, Faculty, Staff
10.	Youth Leadership in Climate Action: Solutions for a Sustainable Future	28 th Oct 2024	Students, Faculty, Staff
11.	Climate Change Research Council (CCRC)	July, 2024	Students, Faculty, Staff
12.	NSC Meeting on Chemical and Chemical Products of PSQCA	20 th Sept 2024	Students, Faculty, Staff
13.	World Fisheries Day	28 th Nov 2024	Students, Faculty, Staff
14.	Halal lead Auditor	3-5 Sep, 2024	Students, Faculty, Staff
15.	Nano Chemistry Research Group Visit to Sundar Industrial Estate	26 th Aug 2024	Students, Faculty, Staff
16.	Comprehensive Water Quality and Plant Evaluation	August, 2024	Students, Faculty, Staff
17.	Breast Cancer Awareness Seminar & walk	25 th Oct 2024	Students, Faculty, Staff
18.	World Diabetes Day	14 th Nov 2024	Students, Faculty, Staff
19.	World Pharmacist Day	25 th Sept, 2024	Students, Faculty, Staff

20.	Integrating Game Based Learning into Course Design	26 th Aug, 2024	Students, Faculty, Staff
21.	3rd Marketing Gala 2025	14-17 Jan, 2025	Students, Faculty, Staff
22.	On Campus Hiring Air-Sial	2 nd July 2024	Students, Faculty, Staff
23.	Recruitment Drive with Radio Pakistan	19 th Sep 2024	Students, Faculty, Staff
24.	Recruitment Drive with Dunya TV	15 th Aug 2024	Students, Faculty, Staff
25.	Recruitment Drive with Punjab Government's Home Department	30 th Aug 2024	Students, Faculty, Staff
26.	City Traffic Police Lahore Issuance of Driving License in UCP Campus	26 th Dec 2024	Students, Faculty, Staff
27.	Global Thought Processes for Entrepreneurs Tahir Javed	4 th Dec-24	Students, Faculty, Staff
28.	Mentoring the Mentors Flipbooks	6 th Sept 2024	Students, Faculty, Staff
29.	Invitation to Participate in Sports Competitions for Faculty and Staff	7 th Aug 2024	Students, Faculty, Staff
30.	Seminar Palestine History, Current Realities and Future Prospects	7 th July 2024	Students, Faculty, Staff
31.	Quran Hour Lecture 18 Islamic Guidance Club	5 th July 2024	Students, Faculty, Staff
32.	Invitation: "Join Us for the Staff Town Hall "	2 nd Dec 2024	Students, Faculty, Staff
33.	Yoga Session Today for Female Faculty and Staff	11 th Dec 2024	Students, Faculty, Staff

34.	Yoga Session Today for Female Faculty and Staff	11 th Dec 2024	Students, Faculty, Staff
35.	Training on MS Excel for Faculty and Staff of UCP	19 th Nov 2025	Students, Faculty, Staff
36.	Mentoring the Mentors Flipbooks	6 th Sept 2024	Students, Faculty, Staff
37.	Mentoring of Mentors Join Us for an Inspiring Panel Discussion on Women in the Workplace 27th September 2023	27 th Sept 2024	Students, Faculty, Staff
38.	Pakistan's First Women Career Fair	14 th Feb 2024	Students, Faculty, Staff
39.	PNP - Autumn Internship Program 2024	2 nd Sept 2024	Students, Faculty, Staff
40.	ZONG - Digital Trainee Executive Program 2024 For FoMS, FoIT, & FoE Students	10 th Aug 2024	Students, Faculty, Staff

4.8 Research Projects/Grants

The University of Central Punjab (UCP) has been actively involved in various research projects and grants. One notable project is the design and development of CanSats (Student Satellites) for students at school, college, and university levels. This project, led by Dr. M. Kamran Saleem from the Pakistan Innovation Fund (PIF) at UCP, received an approved grant of 7.6 million.

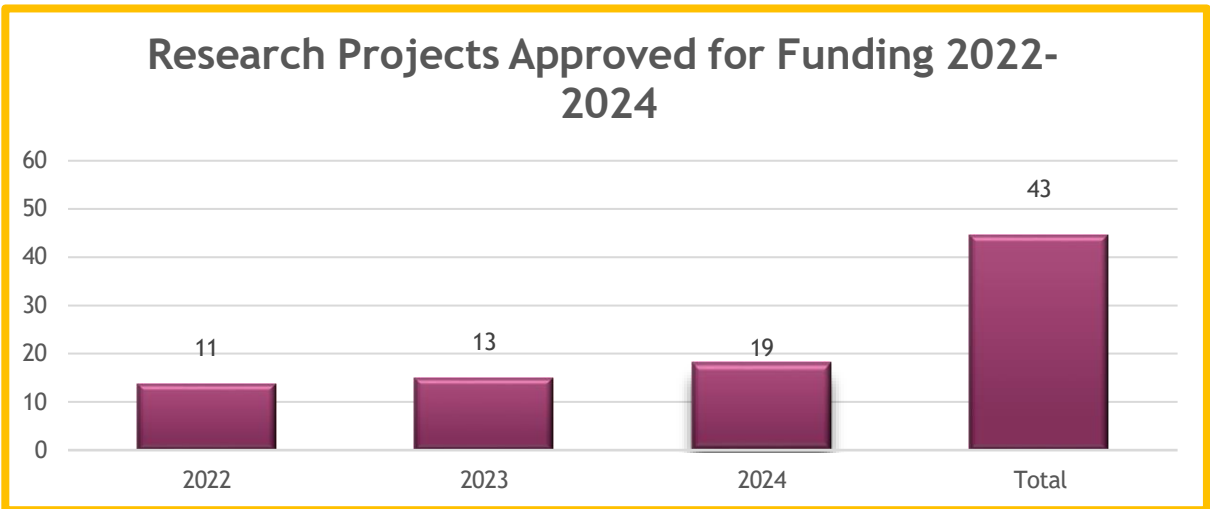


Additionally, UCP collaborates with several national and international research grant agencies, including the Higher Education Commission (HEC), Pakistan Science Foundation (PSF), and the British Council, among others. These collaborations facilitate a wide range of research initiatives, supporting both faculty and students in their academic and scientific endeavors.

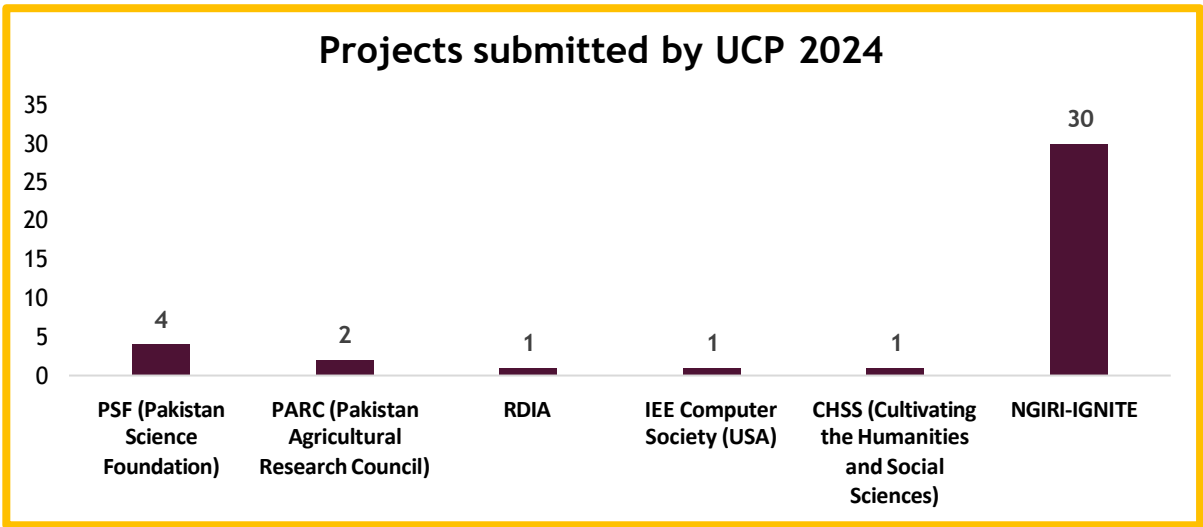
Research and Development (R&D) projects are initiatives undertaken by UCP/ UCP Faculty to explore, discover, and create new knowledge, technologies, products, or processes. These projects are typically focused on advancing understanding, solving problems, or innovating in a specific field.

4.8.1 UCP Research Projects for 2022, 2023, and 2024

From 2022 to 2024, the University of Central Punjab (UCP) had a total of 43 research projects approved for funding. In 2022, 11 projects received funding, followed by 13 projects in 2023, and another 19 projects in 2024. This consistent number of funded projects each year highlights UCP's sustained focus on research excellence and its ability to secure funding for a diverse range of research initiatives. These projects reflect the university's commitment to fostering innovation, advancing knowledge, and contributing to various fields of study through strategic collaborations and funding opportunities.



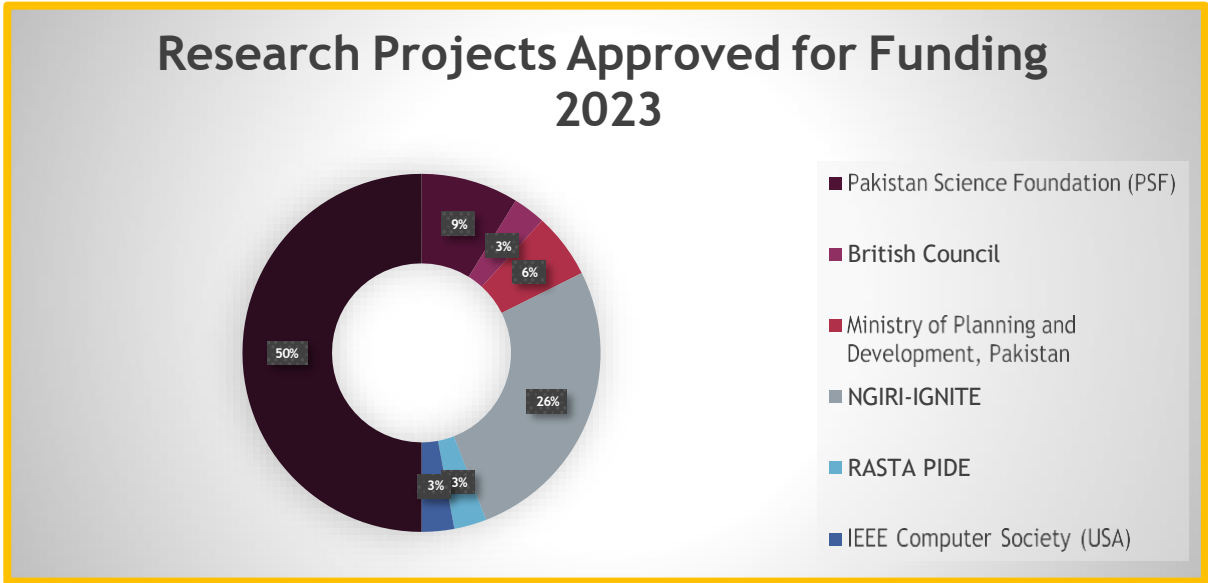
In 2024, the University of Central Punjab (UCP) submitted a variety of research projects to several organizations, showcasing its commitment to research and development. The data indicates that UCP submitted the highest number of projects to the Pakistan Science Foundation (PSF), followed by the Pakistan Agricultural Research Council (PARC) and RDIA. However, one project was submitted to the IEE Computer Society (USA) and CHSS (Cultivating the Humanities and Social Sciences), and 30 were submitted to NGIRI-IGNITE. This distribution highlights UCP's strategic focus on collaborating with national organizations to advance its research initiatives.



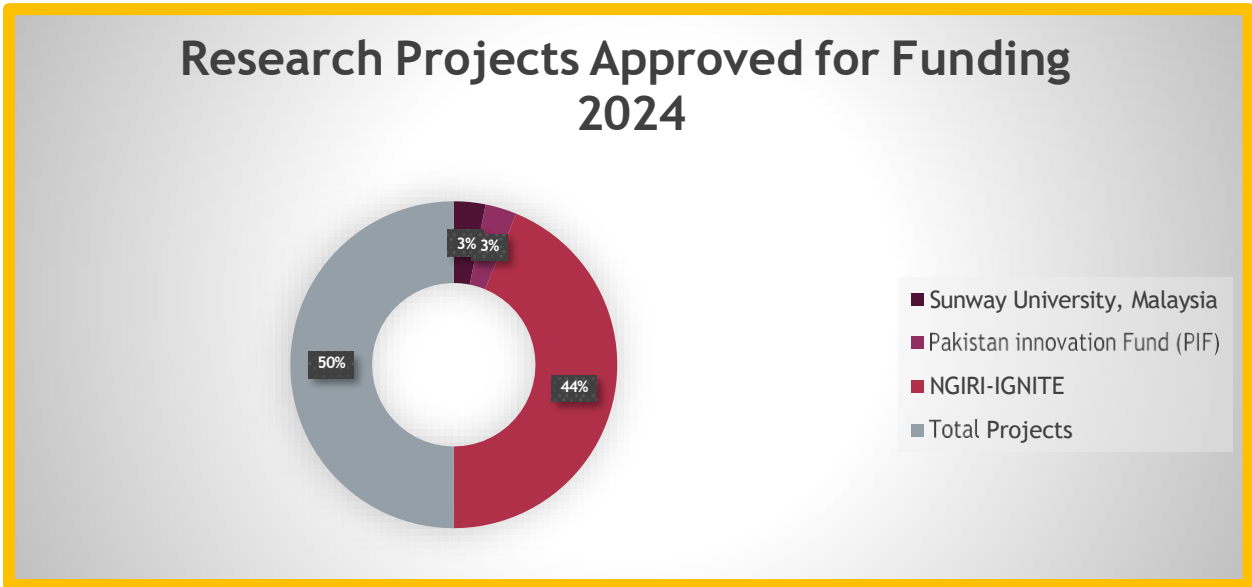
4.8.1.1 Research Projects Approved in 2023 and 2024

In 2023, the number of approved research projects increased to 13, reflecting a growing emphasis on research and development. The projects were funded by several organizations, including three from the Pakistan Science Foundation (PSF), one from the British Council, two from the Ministry of Planning and Development (Pakistan), nine from NGIRI-IGNITE, one from RASTA PIDE, and one from the IEEE Computer Society (USA). This increase

demonstrates UCP's expanding research capabilities and its ability to secure funding from a variety of sources.



In 2024, UCP continued its robust research activity with 19 projects approved for funding. These projects were supported by Sunway University (Malaysia), the Space & Upper Atmosphere Research Commission (SUPARCO), and from NGIRI-IGNITE. The consistent number of funded projects over the years underscores UCP's sustained focus on research excellence and its successful partnerships with both national and international organizations. These achievements collectively illustrate UCP's dynamic research environment and its ongoing efforts to foster innovation through strategic collaborations and funding opportunities.



Research Projects Approved for year 2022

SN	Name of Research Grant	Date of Proposal Approval	Name of Faculty Member	Title of Research Proposal	Total Amount (PKRs)
1.	Health Research Institute (HRI), National Institute of Health (NIH),	2022	Dr. Atif Amin	Exploring the determinants of COVID-19 vaccine hesitancy in parents of children and adolescents in Pakistan; A multicenter study	1.39 million
2.	HEC	2022	Dr. Zohaib Aftab	Establishment of National Center of Robotics and Automation, Human-centered robotics lab, UCP	18.87 million
3.	Pakistan Science Foundation (PSF)	2022	Dr. Muhammad Akhyar Farrukh	Natural essential oil loaded nanoparticles (nanoemulsion) incorporated in poultry feed as alternative to antibiotics	6.639 million
4.	University at Albany, USA	2022	Dr. Muhammad Akhyar Farrukh	Air pollution monitoring of PM2.5 in Lahore to investigate the cause of smog and its effects on health	4.21 million
5.	NGIRI-IGNITE	2022	Engr. Nabeel Khalid Lecturer EED	Electric Food Dehydrator	41000/-
6.	NGIRI-IGNITE	2022	Dr. Majid Gulzar	IoT Based Environmental Monitoring System during Transportation'	44560/-
7.	NGIRI-IGNITE	2022	Dr. Arslan Arif	Implementation of a Robust Controller Based System for Industrial Application	69515/-
8.	NGIRI-IGNITE	2022	Engr. Jawad Khalid	Gesture controlled robotic gripper arm using kinect sensor'	65860/-
9.	NGIRI-IGNITE	2022	Engr. Jawad Khalid	Autonomous Pick & Place Robot	69730/-
10.	NGIRI-IGNITE	2022	Dr. Muhammad Kashif	Solar Wind Hybrid Generator	74130/-
11.	NGIRI-IGNITE	2022	Engr. Taimur Iqbal Qureshi	Design and test an affordable cold room powered by hybrid electric/Solar for improving storage quality and reducing wastage of horticulture produces	80000/-

Research Projects Approved for year 2023

SN	Name of Research Grant	Date of Proposal Approval	Name of Faculty Member	Title of Research Proposal	Total Amount (PKRs)
1.	NGIRI-IGNITE	17-Aug-2023	Jawad Khalid Qureshi	Three-Dimensional Scanner	66807
2.	NGIRI-IGNITE	18-Aug-2023	Ahmed Zohaib Zaidi	Design, Fabrication and Testing of a Membrane-based Energy Recovery Ventilator	69917
3.	NGIRI-IGNITE	19-Aug-2023	Dr. Hafiz Mahfooz ul Haque	E Real Estate and Investors Window	7080
4.	NGIRI-IGNITE	22-Aug-2023	Dr. Ali Ahmad	Tan Delta Measurement for High Voltage Equipment	22880
5.	NGIRI-IGNITE	23-Aug-2023	Engr Arslan Ashraf	UPS Daughter Board for Solar Integration	41713
6.	NGIRI-IGNITE	24-Aug-2023	Engr Jawad Khalid	Multipurpose Agriculture Robot	52985
7.	HEC Research Program	23-jul-2023	Dr. Arslan Tariq Rana	Trade in renewable and non-renewable energy resources: The Role of Regional and Bilateral Trade Agreements. Policy implications for Pakistan	1.1 million
8.	HEC-Ministry of Planning and Development	27-Jun-2023	Dr. Muhammad Akhyar Farrukh	Nano-Materials Fabrication (NMF) Lab under the National Center for Nanoscience and Nanotechnology (NCNN)	3,325.598 Million for 13 Labs of Pakistan
9.	Pakistan Science Foundation	19-Jun-2023	Dr. Sumera Zaib	Harnessing the untapped therapeutic potential of pthalazine scaffold as small-molecule inhibitors of ectonucleotidases for the treatment of diabetic complications	4.65 million
10.	British council	15-Mar-2023	Dr. Fawad Baig	PAK-UK Education Gateway Mobility Partnership for Students grant	6,971,022
11.	King Faisal University, AI Ahsa KSA	25-Oct-2022	Dr. Muhammad Rafiq	Implementation of computational efficient numerical approach to analyze a Covid-19 Pandemic model	1.1 million
12.	Joint Scientific exchange program between PSF and NSFC	10-June-2023	Dr. Muhammad Akhyar Farrukh	Application of spectral process manufacturing analysis technology in intelligent manufacturing	3,234,000/-
13.	IEEE Computer Society (USA)	02-Nov-2023	Syed Tanweer Shah Bukhari	Tech for Tomorrow: Empowering Girls and the Underprivileged	US \$ 13000

Research Projects for year 2024

SN	Name of Research Grant	Date of Proposal Approval	Name of Faculty Member	Title of Research Proposal	Total Amount (PKRs)
1.	RASTA PIDE - RASTA PIDE	26-March-2024	Dr. Shabana Naveed	Unlocking Synergies through Public value co creation: A Holistic examination of Public Private partnership in Punjab's educational landscape	3 million
2.	Pakistan Innovation Fund (PIF)	15-May-2024	Dr. Muhammad Kamran Saleem	Design and Development of Ultra-Wide Band (UWB) Antenna Array for Space Applications.	1.2 million
3.	Pakistan Innovation Fund (PIF)	24-June-2024	Dr. Muhammad Kamran Saleem	Advanced Level CanSATs for STEM Education, Space Exploration, Agriculture, Disaster Management, Climate and Environmental Research and Experimentation, Funding.	7.6 million
4.	Water Care Services Pakistan (WCSP) and UCP	31-July-2024	Prof. Dr. Muhammad Akhyar Farrukh	Novel Nanotechnology Approaches to Indigenous Waste Water Treatment for a Cleaner and Climate-Resilient Future	1,073,000/-
5.	Sunway University, Malaysia	01-April-2024	Dr. Muhammad Saadi	Foundational Study on Drone Integration within Smart City Healthcare Framework	RM 33500.00
6.	NGIRI-2024	17-Aug-2024	Mr. Zulkifl Hassan	Intellidish	78250/
7.	NGIRI-2024	17-Aug-2024	Mohsin Sami	AI-Powered Communication Assistant for the Hearing and Speech Impaired	78250/
8.	NGIRI-2024	17-Aug-2024	Sadia Umar	Mango Disease Detector	78250/
9.	NGIRI-2024	17-Aug-2024	Dr Irfan Anjum	The Aura Guid: Visual Assistive AI System for the Blind	58504
10.	NGIRI-2024	17-Aug-2024	Dr Rabia Tehseen	Autism Therapeutic Chabot: Empowering Hearts and Minds	75267
11.	NGIRI-	17-Aug-	Mr. Zulkifl	Cipherfall the Digital Revolution	78250/

	2024	2024	Hassan	Begins	
12.	NGIRI-2024	17-Aug-2024	Numan Khalid	Design and Fabrication of Five axis CNC Milling machine	82870
13.	NGIRI-2024	17-Aug-2024	Kamran Saleem	Advancing Environmental Monitoring and Remote Sensing through CubeSat a Student Satellite	83609
14.	NGIRI-2024	17-Aug-2024	Engr Ahmad Farid Abbas	Design and Fabrication of an industrial articulated pick and place mobile robot	78250/
15.	NGIRI-2024	17-Aug-2024	Engr. Taimur Iqbal Qureshi	Designing A motor driven vertical stair chair lift	77696
16.	NGIRI-2024	17-Aug-2024	Asif Farooq	Istifada	62822
17.	NGIRI-2024	17-Aug-2024	Asad Kamal	Agro Market Hub	75756
18.	NGIRI-2024	17-Aug-2024	Dr Muhammad Kashif	Single-Cell Solid Oxide Co ₂ Electrolyzer for the Conversion of Co ₂ to Fuel	81412
19.	NGIRI-2024	17-Aug-2024	Engr. Jawad Khalid	Design and Development of CANSAT a Student Satellite	85255

Volume of Research Grant in 2023-24



Research Projects Funding:

- From 2023-24: UCP has secured the research funding of nearly PKR: 30.42 Million from local/international agencies.

4.8.1.2 Year wise analysis on causes of failure in securing Research Funds

Year	Primary Causes of Failure	Details	Recommended Action
2022	Incomplete or Non-Compliant Proposals Lack of Awareness of Funding Priorities Poor Proposal Structuring	<ul style="list-style-type: none"> - Many submissions lacked mandatory documents (e.g., work plan, CVs, letters of support). - Proposals did not align with funding agency themes. - Weak articulation of objectives and outcomes. 	Use standardized checklists. Conduct targeted training on proposal formatting. Introduce internal review panels before submission.
2023	Weak Methodological Design Unrealistic Budgets Limited Track Record of Investigators	<ul style="list-style-type: none"> - Method sections were vague or lacked clear data collection strategies. Budgets were either inflated or lacked justification. Some proposals came from PIs with no prior publication or project history. 	<ul style="list-style-type: none"> - Conduct pre- submission technical review by senior researchers. Provide budget planning templates and training. Pair early-career researchers with mentors.
2024	Failure to Address Reviewer Feedback (for resubmissions) Limited Innovation or Originality Low Collaboration with Industry or International Partners	<ul style="list-style-type: none"> - Applicants ignored key reviewer comments from previous submissions. Topics were repetitive or had minimal novelty. Agencies increasingly favored multidisciplinary and collaborative proposals. 	<ul style="list-style-type: none"> - Introduce a resubmission support cell. - Train researchers in identifying research gaps and novelty. Facilitate MoUs/partnerships with relevant stakeholders

4.9 Research Journals

In accordance with the Higher Education Commission's rules, the University of Central Punjab (UCP) offers basic information on the launching and indexing of research journals. The research journals were being worked on by designated focus individuals from every faculty. In the fields of research and teaching. The launch of its (07) Seven Research Journals is one of the organization's most notable achievements. Below are some details of these Journals.

Sr No.	Journal Name	Issue	Span	Publication Status	Date
1	UCP Journal of Law & Legal Education UCP-JLLE ISSN 2958-065X (Print) 2959-8710 (Online)	Vol. 1 Issue 1	June 2022-Dec 2023	Published	8/6/2023
		Vol. 1 Issue 2	Jan 23- June 23	Published	7/21/2023
		Vol. 2 Issue 1	July 23 - Dec 23	Published	1/30/2024
		Vol. 2 Issue 2	Jan 24 - June 24	Published	8/15/2024
		Vol. 3 Issue 1	July 24 - Dec 24	In process	
2	UCP Journal of Humanities & Social Sciences UCP-JHSS HEC Recognized Y Category ISSN 2958-6887 (Print) 2958-6895 (Online)	Vol. 1 Issue 1	June 2022-Dec 2022	Published	12/18/2022
		Vol. 1 Issue 2	Jan 23- June 23	Published	3/6/2023
		Vol. 2 Issue 1	July 23 - Dec 23	Published	12/4/2023
		Vol. 2 Issue 2	Jan 24 - June 24	Published	5/6/2024
		Vol. 3 Issue 1	July 24 - Dec 24	Published	12/20/2024
3	UCP Journal of Mass Communication UCP-JMC ISSN 2959-8524 (Print) 2959-8532 (Online)	Vol. 1 Issue 1	Jan 23- June 23	Published	5/19/2023
		Vol. 1 Issue 2	July 23 - Dec 23	Published	11/30/2023
		Vol 2 Issue 1	Jan 24 - June 24	Published	6/30/2024
		Vol 2 Issue 2	July 24 - Dec 24	Published	12/31/2024
4	UCP Journal of Business Perspectives UCP-JBP ISSN 3005-8961(Print) 3005-897X (Online)	Vol. 1 Issue 2	Jan 23- June 23	Published	9/21/2023
		Vol 1 Issue 2	July 23 - Dec 23	Published	3/25/2024
		Vol 2 Issue 1	Jan 24 - June 24	Published	8/20/2024
		Vol 2 Issue 2	July 24 - Dec 24	In process	

5	UCP Journal of Languages & Literature UCP-JLL HEC Recognized Y Category ISSN 3005-6594 (Online) 3005-6586 (Print)	Vol. 1 Issue 1	Jan 23 - June 23	Published	9/4/2023
		Vol 1 Issue 2	July 23 - Dec 23	Published	3/25/2024
		Vol 2 Issue 1	Jan 24 - June 24	Published	10/3/2024
		Vol 2 Issue 2	July 24 - Dec 24	In process	
6	UCP Journal of Sciences & Technology UCP-JST HEC Recognized Y Category ISSN 3005-5571 (Online) 3005-5563 (Print)	Vol 1 Issue 1	July 23 - Dec 23	Published	9/25/2023
		Vol 1 Issue 2	Jan 24 - June 24	Published	4/2/2024
		Vol 2 Issue 1	July 24 - Dec 24	Published	12/31/2024
7	UCP Journal of Engineering & Information Technology UCP-JEIT HEC Recognized Y Category ISSN 3005-8007 (Print) 3005-8015 (Online)	Vol. 1 Issue 1	Jan 23 - June 23	Published	10/30/2023
		Vol 1 Issue 2	July 23 - Dec 23	Published	3/18/2024
		Vol 2 Issue 1	Jan 24 - June 24	Published	9/25/2024
		Vol 2 Issue 2	July 24 - Dec 24	Published	2/13/2025

4.9.1 UCP Journal of Mass Communication

UCP Journal of Mass Communication (UCPJMC) is multidisciplinary peer-reviewed journal in the field of Mass Communication, Journalism, and Media Contents. The journal is published bi-annually by the Faculty of Media and Mass Communication, University of Central Punjab (UCP), Lahore, Pakistan. The main aim of the journal is to publish the research articles, which are derived from advanced and quality scholarly work in the in the field of mass communication to promote scholarly debate and dialogue. This Journal encourages research that contributes to the advancement of mass communication as an interdisciplinary field. The journal strictly follows the policy of initial editorial screening and peer-reviewing process at the second step to ensure quality. This journal welcomes submissions from research scholars all across the world.



UCP Journal of Mass Communication

Call For Papers

Vol. 2, Issue 2

UCP Journal of Mass Communication (UCPJMC) is a multidisciplinary peer-reviewed journal in the field of Mass Communication.

The journal is published bi-annually by the Faculty of Media & Mass Communication, University of Central Punjab (UCP), Lahore, Pakistan.

The UCP Journal of Mass Communication is a scholarly publication dedicated to advancing the understanding and exploration of various aspects within the field of mass communication. This peer-reviewed journal serves as a platform for researchers, academics, and professionals to contribute original research, theoretical discussions, and critical analyses that encompass a broad spectrum of topics related to mass media, communication theories, journalism, digital media, public relations, and other relevant areas.

Submission Link:
<http://ojs.ucp.edu.pk/index.php/ucpjmc/about/submissions>

For More Information:
 Visit Us at: <http://ojs.ucp.edu.pk/index.php/ucpjmc/index>

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Editor-in-Chief
Dr. Fawad Baig
 Dean & Associate Professor, FMMC
 UCP

Editor
Dr. Sadaf Zahra
 Assistant Professor, FMMC
 UCP

4.9.2 UCP Journal of Languages & Literature (HEC Recognized Y Category)

UCP Journal of Languages and Literature is a peer-reviewed research journal published by the Faculty of Languages and Literature, University of Central Punjab (UCP), Lahore, Pakistan. It is published bi-annually and aims at investigating and bringing forth innovative research-based concepts and practices at national and international levels, and promotes scholarly research in the domains of Language, Literature, and Linguistics.



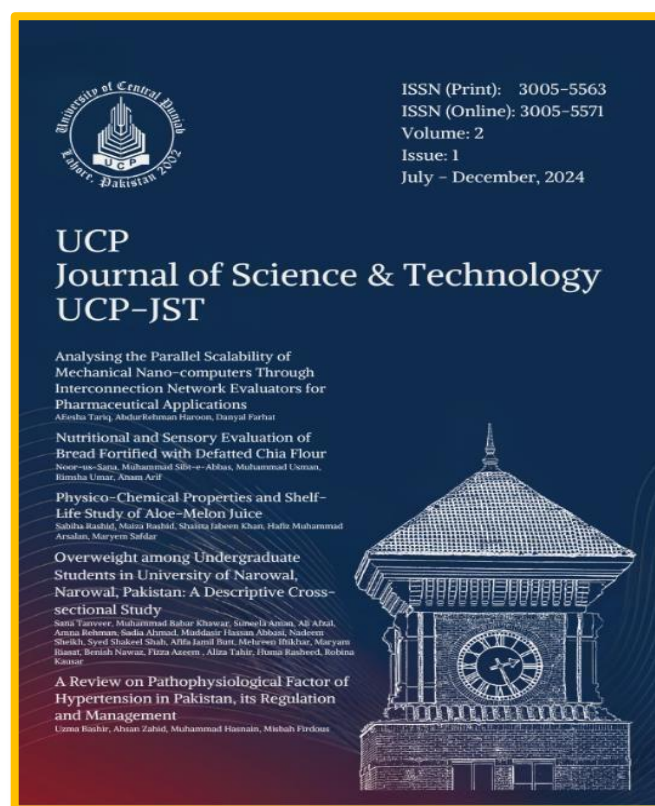
4.9.3 UCP Journal of Engineering & Information Technology (HEC Recognized Y Category)

UCP Journal of Engineering and Information Technology (UCP-JEIT) is a multidisciplinary, peer-reviewed, open-access journal jointly published by the Faculty of Engineering and the Faculty of Information Technology & Computer Sciences. The journal is devoted to publishing research in the fields of Engineering, Information Technology, and Computer Sciences.



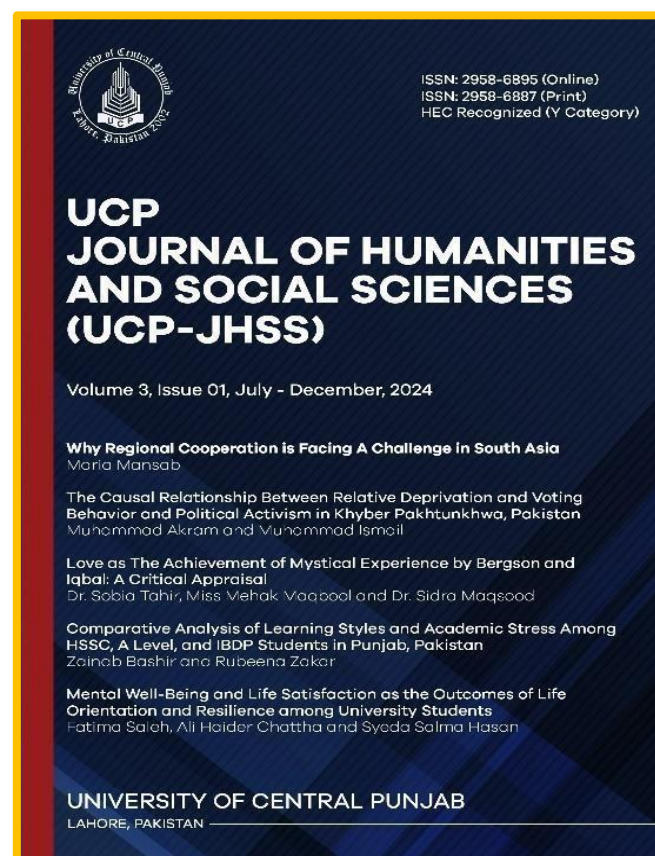
4.9.4 *UCP Journal of Science & Technology (HEC Recognized Y Category)*

UCP Journal of Science & Technology (UCP-JST) is a peer-review biannual journal that encourages interdisciplinary research in Science and Technology including biological, physical, and life sciences by providing a platform for academia and industry to share innovative ideas and findings to deal with real-world challenges. In the current issue, we have published in the areas of Zoology, Physics, Microbiology, Food Sciences and Biotechnology.



4.9.5 *UCP Journal of Humanities & Social Sciences (HEC Recognized Y Category)*

UCP Journal of Humanities & Social Sciences is HEC recognized (Y-Category) research journal published by the Faculty of Humanities & Social Sciences, University of Central Punjab (UCP). It is multidisciplinary research journal covers Political Science, International Relations, Economics, Psychology, Sociology, Anthropology, Governance and Public Policy and Philosophy. The Journal serves as a nexus between academia, researchers, and policymakers, with a focus on promoting scholarly work with practical application to societal challenges.

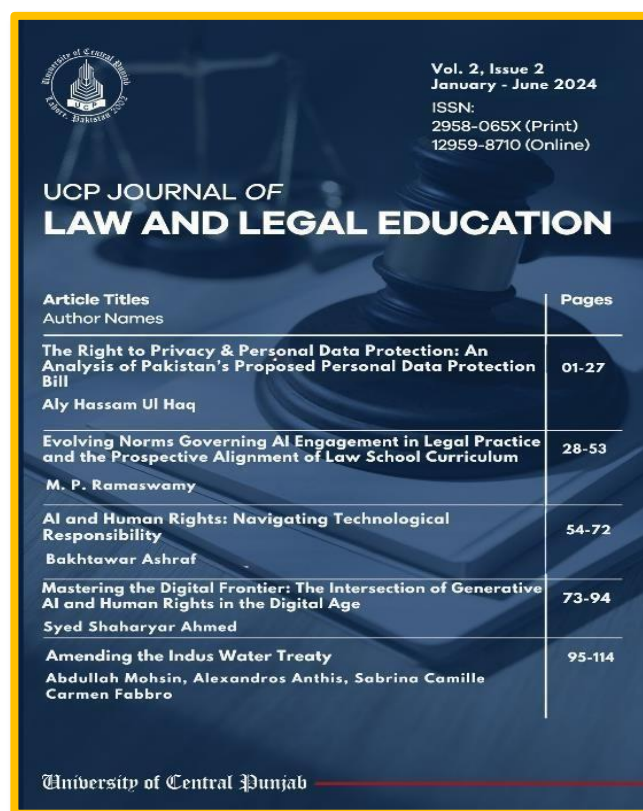


4.9.6 UCP Journal of Law & Legal Education

UCP Journal of Law and Legal Education (UCP-JLLE) is a peer-reviewed, bi-annual, and open-access journal, published by the Faculty of Law (FOL), University of Central Punjab (UCP). The journal aims to publish research articles in the domains of legal academics, research comparisons of various laws and their application with that of Pakistan laws. The editorial and advisory boards of the journal are comprised of notable law academics, scholars, judges and members of Bar Councils from Pakistan and around the World.

4.9.7 UCP Journal of Business Perspectives

In a rapidly changing globalized world, marked by evolving competing and collaborative economic frontiers, and intricate organizational models, a holistic understanding of key driving forces is critical to shaping theories and practice for the future. Through its research articles, the inaugural edition of the UCP Journal of Business Perspectives (UCP-JBP) seeks to provide readers with a panoramic view of various domains, shedding light on local and global landscapes. Each article's substantive conceptual, theoretical, methodological, or applied perspective advances our understanding of management knowledge, covering many organizational factors. To sum up, the first issue of UCP-JBP makes a robust attempt to open new avenues for academic scholars and



policy-makers through multifaceted ideas covering economics, workplace behaviors, education, and banking. The readers are encouraged to build on themes in contemporary management knowledge to create and share inclusive research ideas for the future.

4.10 UCP Conferences

The University of Central Punjab (UCP) serves as a vibrant and dynamic platform for hosting both national and international conferences. These events are designed to bring together individuals who share common interests, expertise, and passions, creating an environment where ideas can be exchanged, collaborations can be fostered, and the forefront of knowledge within various fields can be explored.

UCP conferences offer invaluable opportunities for networking, allowing professionals, researchers, and enthusiasts to connect, share insights, and engage in meaningful discussions. These gatherings are not just about listening to expert presentations; they are about the vibrant exchange of perspectives that often leads to new partnerships and the cultivation of collective wisdom.

The role of UCP conferences extends beyond mere knowledge sharing. They are pivotal in driving progress, sparking inspiration, and creating lasting connections that transcend geographic boundaries. By bringing together a diverse group of participants, these conferences help in building a community that is committed to advancing their respective fields and contributing to the global pool of knowledge. They are catalysts for innovation, collaboration, and growth, playing a crucial role in the academic and professional development of all attendees.

4.10.1 Conference Calendar

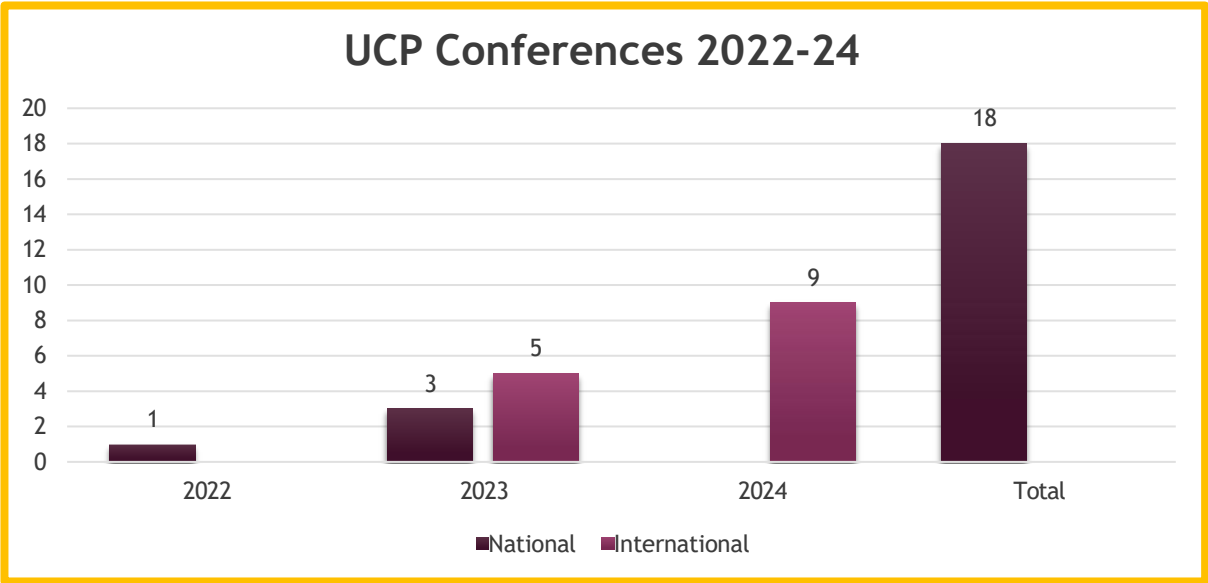
UCP Conference Calendar for the year 2023 & 2024 is as:

2024	Events	Events	Events	Events	Events	FOLL	Events	Events	Events	Events	Events	Events	Journals
	1	1	2	1	2	2	1	1	1	2	2	2	Int. Flag. Conf.
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Nat. Conf/Sym
	Jour. FOMS	Jour. FOST/ FOPS	Jour. FOE/ FOIT&CS	Jour. FOLL	Jour. FOMMC	Jour. FOL Jour. FOHSS	Jour. FOMS	Jour. FOST/ FOPS	Jour. FOE/ FOIT&CS	Jour. FOLL	Jour. FOMMC	Jour. FOL Jour. FOHSS	# Str. Plan Adjustment
	Slot Avail	Slot Avail	3 Int. Flag. Conf. DUE FOHSS/ FOMMC/ FOLL	6. Conf./Sym FOL #DONE in 2023	7. Conf./Sym DUE FOMS	Slot Avail	Slot Avail	Slot Avail	8. Conf./Sym FOE #DONE in 2023	4 Int. Flag. Conf. DUE FOST/ FOPS	9. Conf./Sym DUE FOIT	Slot Avail	

Faculty	Title of conference	Scope	Month/ Date
FOL	The Transformative Potential of Generative Artificial Intelligence for Law and Legal Education: Opportunities, Challenges, and the Way Forward	International	21-22nd March 2024
FOMS	9th ICIBM: International Conference on Contemporary Issues in Business Management Conference Theme: Managing Resources and Knowledge in the Digitalized & Sustainable Business Ecosystems	International	25-26th April 2024
FOMC	Media Education and Professional Practices in Digital Age Interdisciplinary Reflections and Future Directions	International	29-30th May 2024
FOLL	Erasures, Resistance, and Innovation: Two-day International Conference on Language, Literature and Linguistics	International	13-14th June 2024
FOHSS	International Conference on Mental Health Movement: Moving More for Mental Health	International	24-25th June 2024
FOIT	IEEE International Conference on Horizons of IT and Engineering (HITE)	International	15-16th October 2024
FOPS	Pharmaceutical Innovations for Emerging Global Health Challenges	International	29th October 2024
FOST	2nd International Conference on Emerging Horizons in Science and Technology (ICEHST-2024)	International	21-22nd November 2024
FOE	2nd International Conference on New Trends in Civil Engineering	International	9-10th December 2024

4.10.2 UCP Conferences for year 2022, 2023, and 2024

From 2022 to 2024, the University of Central Punjab (UCP) actively organized a series of national and international conferences, reflecting its commitment to fostering academic discourse and promoting research. In terms of national conferences, UCP hosted one event in 2022, three in 2023, and significantly increased to 18 conferences in 2024. On the international front, UCP organized five conferences in 2022 and nine in 2023. This substantial increase in the number of conferences, particularly national ones, underscores UCP's dedication to facilitating knowledge exchange and engaging with the global academic community. These conferences serve as vital platforms for scholars, researchers, and industry professionals to share insights, discuss innovations, and collaborate on various academic and research initiatives.



CHAPTER

5

INNOVATION & COMMERCIALIZATION



CHAPTER

5

Overview of Innovation & Commercialization

Technology Commercialization

Technology commercialization is the process of transforming academic research, inventions, or innovations into marketable products, services, or processes. It is a key function of ORICs that bridges the gap between research and real-world application.

Key stages include:

- **Innovation Disclosure:** Researchers report new inventions to ORIC.
- **Market Evaluation:** Assessment of the commercial viability and potential users.
- **IP Protection:** Filing patents or copyrights to secure ownership.
- **Licensing & Startups:** Transferring technology to existing companies or launching university-based startups.
- **Revenue Generation:** Through royalties, equity shares, or licensing fees.

Patents and Intellectual Property (IP)

Patents are a vital tool for protecting novel ideas and technologies developed within universities. A patent grants exclusive rights to the inventor(s) for a set period, enabling safe commercialization and investment.

Key elements include:

- **Patentability Assessment:** Ensuring novelty, utility, and non-obviousness.
- **Patent Filing:** National or international applications through IP offices.
- **IP Management:** Handled by ORIC or dedicated Technology Transfer Offices (TTOs).
- **Collaboration:** Joint patents may arise from academia-industry projects.

Establish a framework that encourages fair competition by preventing unauthorized use or copying of intellectual property, ensuring that businesses can compete based on the merits of their own innovations.

❖ **Technology Transfer:**

Facilitate the transfer of technology and knowledge by providing a legal framework for licensing and sharing intellectual property, fostering collaboration and advancements in various industries.

❖ **International Cooperation:**

Facilitate cooperation among nations to establish and enforce intellectual property standards globally, ensuring consistency and protection for creators and inventors across borders.

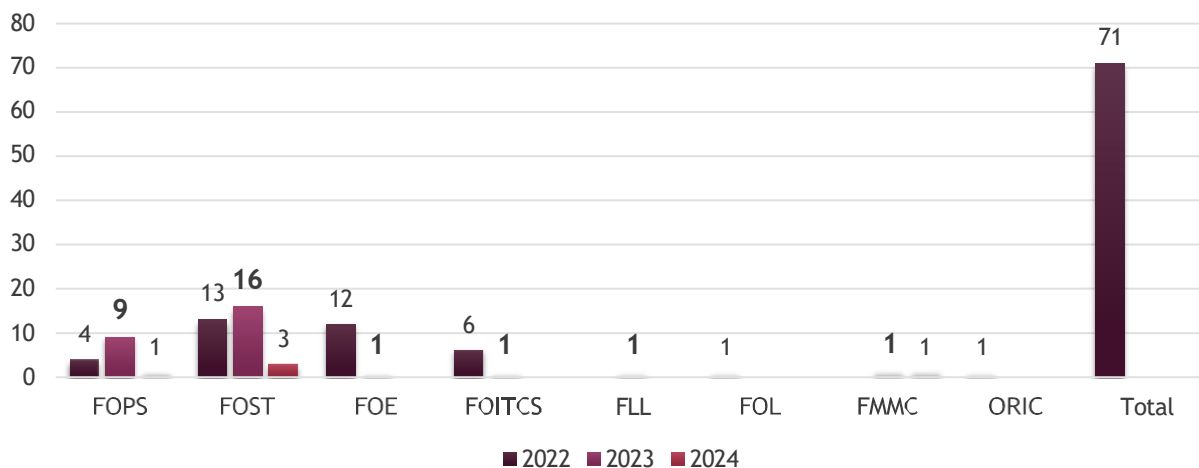
Patents play a crucial role in promoting innovation by providing inventors with an incentive to invest time and resources in research and development. However, the patent system is subject to legal and ethical considerations, and it can sometimes be a source of controversy, particularly when it comes to issues like patent trolls and the balance between promoting innovation and protecting the public interest.

5.2 IPs Filed by UCP FMs

UCP - ORIC successfully filed 81 patents, 4 patents are granted and 43 patents are under examination process. Details of which are as under:

From 2020 to 2024, the University of Central Punjab (UCP) has actively engaged in filing Intellectual Property (IP) across various faculties, demonstrating a strong commitment to innovation and research. The Faculty of Pharmacy and Pharmaceutical Sciences (FOPS) led the way with 17 IP filings, followed by the Faculty of Science and Technology (FOST) with 32 filings. The Faculty of Engineering (FOE) and the Faculty of Information Technology and Computer Science (FOITCS) also made significant contributions with 16 and 12 filings, respectively. Other faculties, including the Faculty of Languages and Literature (FLL), the Faculty of Law (FOL), the Faculty of Media and Mass Communication (FMMC), and the Office of Research, Innovation, and Commercialization (ORIC), collectively contributed to the total of 82 IP filings during this period.

Faculty Wise IPs Filed 2022-24



S#	Ip Title	Inventor/ Faculty Member Name	UCP Faculty	IP Category
1	Development Of Sequential Release of Pitavastatin and Ezitimibe in The Form of Bilayer Tablets	Dr. Muhammad Zaman	(FOPS)	Patent
2	Linseed-G-Aam Hydrogel for Enhance Solubility and Sustained Release of Tacrolimus	Dr. Muhammad Zaman	(FOPS)	Patent
3	Pharmaceutical Bilayer Tablet Formulation and Development with A Novel Composition	Dr. Muhammad Zaman	(FOPS)	Patent
4	Iot Based Wireless Energy Analysis System with Data Storage Backup	Dr. Muhammad Majid Gulzar	(FOE)	Patent
5	A Self Stabilizing Orthotic Knee Joint	Dr. Zohaib Aftab	(FOE)	Design
6	Classroom Response System	Mr. Mohsin Abbas	(FOIT & CS)	Copyright
7	Holistic Campus Security	Mr. Saeed Iqbal Khattak	(FOIT & CS)	Copyright
8	Adaptive Hyper Learning	Mr. Mustafa Hassan	(FOIT & CS)	Copyright

9	Secure Security Socket (3s)	Dr. Ahmad Sabbar Kazmi	(FOIT & CS)	Copyright
10	Photovoltaic Faculty Detection Circuit	Dr. Ali Faisal Murtaza	(FOE)	Design
11	Parental Health Monitoring of Expecting Mothers	Dr. Adnan Qureshi	(FOIT & CS)	Patent
12	Maize Auto Seeder	Dr. Syed Atif Mehdi	(FOIT & CS)	Design
13	Fungus And Other Disease Detection Using Drone with Camera	Dr. Syed Atif Mehdi	(FOIT & CS)	Design
14	Yield Estimation of Citrus Fruit	Dr. Syed Atif Mehdi	(FOIT & CS)	Design
15	Family Court Training Software	Dr. Hadia Awan	(FOL)	Copyright
16	Preparation Of New Nanoliposomal Vitamin C By Micro-Emulsification Method for Anticancer Activities	Prof. Dr. Muhammad Akhyar Farrukh	(FOST)	Patent
17	A System to Measure Pressure at The Body Interface on a Curved Surface	Dr. Zohaib Aftab	(FOE)	Design
18	A Customizable 5-Dof Hip Exoskeleton	Dr. Zohaib Aftab	(FOE)	Design
19	Cnc (Computerized Numerical Control) Engraving and Milling Machine	Dr. Arslan Arif	(FOE)	Patent
20	Psl Sign Language Interpreter	Mr. Jawad Khalid Qureshi	(FOE)	Patent
21	Design And Fabrication of a Steam Cleaner	Ms. MARIUM SHAHID	(FOE)	Patent
22	Jominy End Quench Apparatus	Mr. Qasim Shafqat Goraya	(FOE)	Design
23	Cloud Seeding Kit for Drones	Dr. Syed Atif Mehdi	(FOIT & CS)	Design
24	Three Types Fluorescent Cancer Cell Tagging Regimen, And Its Utility in A Single Sample for Metastatic Dissemination and Drug Targeting	Dr. Ghulam Jilany Khan	(FOPS)	Patent
25	Bypass Detection and Isolation Circuit for Pv Module	Dr. Ali Faisal Murtaza	(FOE)	Design
26	Electric Scooter	Dr. Ali Faisal Murtaza	(FOE)	Patent

27	A Computationally Engineered Mrna-Based Vaccine Construct Against the Monkeypox Virus	Dr. Muhammad Naveed	(FOST)	Patent
28	Fly Ash Bricks Mix Design by Using Locally Available Material	Prof. Dr. Kafeel Ahmed	(FOE)	Patent
29	Induction Heater	Mr. Nabeel Khalid	(FOE)	Patent
30	Herbal Shampoo Formulation Containing Moringa Oleifera	Dr. Sadia Zulfiqar	(FOST)	Patent
31	Novel Clove Oil Based Self-Emulsifying Drug Delivery System of Ticagrelor	Dr. Muhammad Zaman	(FOPS)	Patent
32	Pharmaceutical Tri - Layer Tablet Formulation and Development with A Novel Composition	Dr. Muhammad Zaman	(FOPS)	Patent
33	Pharmaceutical Capsule Formulation and Development with A Novel Composition	Dr. Muhammad Zaman	(FOPS)	Patent
34	Internet Of Things (Iot) Development Trainer	Jalil Asghar Mirza	(FOE)	Patent
35	Polyherbal Organic Shampoo Formulation	Dr. Sadia Zulfiqar	(FOST)	Patent
36	Exploration Of Specific Inhibitor of Yellow Fever Specific by Targeting Helicase and NS5	Dr. Sumera Zaib	(FOST)	Patent
37	Development Of Novel Combination Therapy for Estrogen Receptor-Negative Breast Cancer	Dr. Sumera Zaib	(FOST)	Patent
38	Synthesis And Characterization of Hybrid Chitosan-Silver Nanoparticles Containing Aqueous Fenugreek Seed Extract	Dr. Sumera Zaib	(FOST)	Patent
39	Soy Lecithin and Hydrogel Encapsulated Nanoliposomal Antibiotic Drug Formulation by Using Moringa Oleifera Leaves Extract and Magnesium Oxide Nanoparticles	Prof. Dr. Muhammad Akhyar Farrukh	(FOST)	Patent
40	Hydrogel Encapsulated Nano-Antibiotic and Anti-Cancer Drug Formulation with Vitamin C And Cobalt Nanoparticles	Prof. Dr. Muhammad Akhyar Farrukh	(FOST)	Patent
41	Development Of Genomic-Assisted Breeding Scheme for Improvement of Quality Phenotypes in Fragrant Rice Cultivars	Dr. Javed Iqbal	(FOST)	Patent
42	Scratch Using AR	Fariha Fatima Arif	(FOIT & CS)	Patent

43	AR For Kids Education and Moral Ethics	Arifeen Ahmad	(FOIT & CS)	Patent
44	Modified Cascaded Designed Controller Based on Fractional Calculus Operator B	Daud Sibtain	(FOE)	Patent
45	A Screening Method for The Detection of Diseased Genetic Variants Causing Congenital Heart Disease	Hira Mubeen	(FOST)	Patent
46	Evaluation Of Anticancer Potential of Hybrid Chitosan-Silver Nanoparticles	Dr. Sumera Zaib	(FOST)	Patent
47	Finding Fibroblast Growth Factor Receptor 3 Lead Inhibitor to Treat Achondroplasia	Dr. Sumera Zaib	(FOST)	Patent
48	A Method for The Composition of Synthetic Functional Food Products for The Treatment of Type I Diabetes	Dr. Shahid Raza	(Director ORIC)	Patent
49	A Screening Approach for Elucidation of Rare Homozygous Variants Actionalble in Cardiac Anomalies	Hira Mubeen	(FOST)	Patent
50	De Novo Damaging Variants in Exomes of Congenital Heart Disease Patients	Hira Mubeen	(FOST)	Patent
51	IOT Based Industrial Transport Services	Syed Irteza Muzaffar Shah	(FOIT & CS)	Design
52	Prioritizing Single Nucleotide Variants Through Whole Exome Sequencing	Hira Mubeen	(FOST)	Patent
53	Detection of Rare Homozygous Damaging Variants	Hira Mubeen	(FOST)	Patent
54	Copy Number Variations Useful for Risk Assessment of Cardiac Anomalies	Hira Mubeen	(FOST)	Patent
55	A Multi-Epitope Malignant Mesothelioma Vaccine (Mmv) Candidate	Dr. Muhammad Naveed	(FOST)	Patent
56	Anti-Diabetic Herbal Formulation of Snapdragon (Antirrhinum Majus)	Ms. Ammara Masood	(FOST)	Patent
57	Development Of Process for Synthesis of Silver Nanoparticles from Tremella Fuciformis & Their Antibacterial Potential Against Citrus Canker Disease	Dr. Javed Iqbal	(FOST)	Patent
58	Development Of Stev-Barley Biscuits	Dr. Kanza Aziz Awan	(FOST)	Patent

59	Formulation Of Lecithin Encapsulated Amygdalin Polymeric Zinc Nanoparticles for Enhanced Drug Release and Treatment of Cancer	Prof. Dr. Muhammad Akhyar Farrukh	(FOST)	Patent
60	Computational Design of Monoclonal Antibody Conjugate for Treating Oral Squamous Cell Carcinoma	Dr. Muhammad Naveed	(FOST)	Patent
61	Biofabrication of Bimetallic Nanoparticles Using Vallaris Solanaceae Leaf Extract for Enhanced Bioactivity	Dr. Muhammad Naveed	(FOST)	Patent
62	Pharmaceutical Bilayer Tablet Formulation and Development with A Novel Composition	Dr. Muhammad Zaman	(FOPS)	Patent
63	A Pharmaceutical Formulation of Bilayer Tablet Comprising of Inner Layer and Outer Layer	Dr. Muhammad Zaman	(FOPS)	Patent
64	Development Of Pharmaceutical Formulation Comprising Sequential Release Bilayer Tablets of Pitavastatin and Ezetemibe	Dr. Muhammad Zaman	(FOPS)	Patent
65	Edible Glitters - The Sparkling Dust	Dr. Kanza Aziz Awan	(FOST)	Patent
66	Gluten Free Chicken Nuggets	Dr. Kanza Aziz Awan	(FOST)	Patent
67	Novel Clove Oil Based Gummies for Oral Trush	Dr. Muhammad Zaman	(FOPS)	Patent
68	Novel Composition of Chocolate Based Molded Tablets of Qust-E-Shirin	Dr. Muhammad Zaman	(FOPS)	Patent
69	Novel Cardamom-Fennel Based Gummies for Muscle Spasm and Flatulence	Dr. Muhammad Zaman	(FOPS)	Patent
70	Edispoons: Edible Spoons Revolutionizing Sustainable Utensils	Dr. Kanza Aziz Awan	(FOST)	Patent
71	Development Of Need Based Smart Hands for Mute to Convert Sign Language to Voice	Dr. Sumaira Zaib	(FOST)	Patent
72	Environmentally Friendly Synthesis of Leather from Genetically Modified Mushroom	Dr. Sumaira Zaib	(FOST)	Patent
73	Iot Based Wireless Energy Analysis System with Data Storage Backup	Dr. Muhammad Majid Gulzar	(FOE)	Patent
74	Urdu Speech App and Sensor for Aphasic Patients	Dr. Mahwish Farooq	FLL	CopyRight

75	Novel Composition of Chocolate Based Molded Tabletsof Qust-E-Shireen and Stinging Nettle	Dr. Muhammad Zaman	(FOPS)	Patent
76	Novel Composition Based Pharmaceutical Bilayer Tablet of Sitagliptin and Valsartan	Dr. Muhammad Zaman	(FOPS)	Patent
77	Novel Composition of Thermoresponsive Intra-Articular Injection Containing Methotrexate, Folic Acid and Dexamethasone Sodium Phosphate	Dr. Muhammad Zaman	(FOPS)	Patent
78	Muntazir	Ms. Fabahya Subzwari	FMMC	CopyRight
79	Next Generation Antibiotics Containing Iron Nanoparticles and Polyvinylpyrrolidone for Sustained Ciprofloxacin Release	Prof. Dr. Muhammad Akhyar Farrukh	FOST	Patent
80	Composition Of Anti Diabetic Formulation to Restrore Action of Pancreatic B-Cells	Dr. Hira Mubeen	FOST	Patent
81	Immunoinformatics-Driven Drug Design Utilizing Bufexamac to Target Cisd1 Activation for Parkinson's Disease	Dr. Javed Iqbal	FOST	Patent
82	Novel Kaolin Based Mucoadhesive Clay Containing Eugenol	Dr. Muhammad Zaman	(FOPS)	Patent

5.3 IPs Granted

IPRs (Intellectual Property Rights) Granted

Sr. No.	Title	Faculty Member's Name	Faculty	IPs Type
1.	Family Court Training Software	Dr. Hadia Awan	FOL	Copyright
2.	Holistic Campus Security	Dr. Saeed Iqbal Khattak	FOIT&CS	Copyright
3.	Adaptive Hyper Learning	Muhammad Mustafa Hassan	FOMS	Copyright
4.	A Self Stabilizing Orthotic Knee Joint	Dr. Zohaib Aftab	FOE	Patent

5.4 IPs in Process

Patents Examination Report received from IPO

Sr. No.	IP Title	Inventor/ Faculty Member Name	UCP Faculty	IP Examination Report (Receive from IPO Date)
1	IoT based Wireless Energy Analysis System with Data Storage Backup	Dr. Muhammad Majid Gulzar	(FOE)	17/07/2023
2	Design and Fabrication of a Steam Cleaner	Ms. Marium Shahid	(FOE)	28/11/2023
3	Three Types Fluorescent Cancer Cell Tagging Regimen, And Its Utility in A Single Sample for Metastatic Dissemination and Drug Targeting	Dr. Ghulam Jilany Khan	(FOPS)	21/11/2023
4	Electric Scooter	Dr. Ali Faisal Murtaza	(FOE)	20/11/2023
5	A computationally engineered mRNA-based vaccine construct against the monkeypox virus	Dr. Muhammad Naveed	(FOST)	28/11/2023
6	Fly Ash Bricks Mix Design by Using Locally Available Material	Prof. Dr. Kafeel Ahmed	(FOE)	28/11/2023
7	Induction Heater	Mr. Nabeel Khalid	(FOE)	28/11/2023
8	Soy lecithin and hydrogel encapsulated nanoliposomal antibiotic drug formulation by using Moringa oleifera leaves extract and magnesium oxide nanoparticles	Prof. Dr. Muhammad Akhyar Farrukh	(FOST)	21/10/2023
9	Novel Clove oil based Self-Emulsifying Drug Delivery System of Ticagrelor	Dr. Muhammad Zaman	(FOPS)	28/11/2023
10	Pharmaceutical Tri - Layer Tablet Formulation and Development with a Novel Composition	Dr. Muhammad Zaman	(FOPS)	28/11/2023

11	Pharmaceutical Capsule Formulation and Development with a Novel Composition	Dr. Muhammad Zaman	(FOPS)	21/11/2023
12	A Screening Method for The Detection of Diseased Genetic Variants Causing Congenital Heart Disease	Dr. Hira Mubeen	(FOST)	28/11/2023
13	A Screening Approach for Elucidation of Rare Homozygous Variants Actionable in Cardiac Anomalies	Dr. Hira Mubeen	(FOST)	28/11/2023
14	Anti-Diabetic Herbal Formulation of Snapdragon (Antirrhinum Majus)	Ms. Ammara Masood	(FOST)	29/11/2023
15	Exploration of specific inhibitor of yellow fever specific by targeting helicase	Dr. Sumera Zaib	(FOST)	05/12/2023
16	Computationally-Engineered Monoclonal Antibody Conjugate against Oral Squamous Cell Carcinoma	Dr. Muhammad Naveed	(FOST)	20/11/2023
17	Synthesis and Characterization of Hybrid Chitosan-Silver Nanoparticles Containing Aqueous Fenugreek Seed Extract	Dr. Sumera Zaib	(FOST)	26/03/2024
18	PSL Sign Language Interpreter	Mr. Jawad Khalid Qureshi	FOE	27/03/2024
19	CNC (Computerized Numerical Control) Engraving and Milling Machine	Dr. Arslan Arif	(FOE)	27/03/2024
20	AR for Kids Education and Moral Ethics	Arifeen Ahmad	(FOIT & CS)	27/03/2024
21	Internet of Things (IoT) Development Trainer	Jalil Asghar Mirza	(FOE)	27/03/2024
22	Scratch Using AR	Fariha Fatima Arif	(FOIT & CS)	01/04/2024
23	Modified Cascaded Designed Controller Based on Fractional Calculus Operator β	Daud Sibtain	(FOE)	01/04/2024
24	De Novo Damaging Variants in Exomes of Congenital Heart Disease Patients	Dr. Hira Mubeen	(FOST)	01/04/2024
25	Detection of Rare Homozygous Damaging Variants	Dr. Hira Mubeen	(FOST)	01/04/2024

26	Copy Number Variations Useful for Risk Assessment of Cardiac Anomalies	Dr. Hira Mubeen	(FOST)	01/04/2024
27	Prioritizing Single Nucleotide Variants Through Whole Exome Sequencing	Dr. Hira Mubeen	(FOST)	26/04/2024
28	Novel Cardamom-Fennel Based Gummies for Muscle Spasm and Flatulence	Dr. Muhammad Zaman	(FOPS)	06/05/2024
29	Novel Composition of Chocolate Based Molded Tablets of Qust-e-Shireen and Stinging nettle	Dr. Muhammad Zaman	(FOPS)	06/05/2024
30	Novel composition based Pharmaceutical Bilayer tablet of Sitagliptin and Valsartan	Dr. Muhammad Zaman	(FOPS)	06/05/2024
31	Novel Composition of Chocolate Based Molded Tablets of Qust-e-Shirin	Dr. Muhammad Zaman	(FOPS)	06/05/2024
32	Edispoons: Edible spoons revolutionizing sustainable utensils	Dr. Kanza Aziz Awan	(FOST)	06/05/2024
33	Environmentally friendly synthesis of leather from genetically modified mushroom	Dr. Sumaira Zaib	(FOST)	06/05/2024
34	Novel Clove Oil Based Gummies for Oral Trush	Dr. Muhammad Zaman	(FOPS)	13/05/2024
35	Development of Genomic-assisted breeding scheme for improvement of quality phenotypes in fragrant Rice cultivars	Dr. Javed Iqbal	(FOST)	27/05/2024
36	Pharmaceutical Bilayer tablet formulation and Development with a Novel Composition	Dr. Muhammad Zaman	(FOPS)	11/06/2024
37	Hydrogel encapsulated nano-antibiotic and anti-cancer drug formulation with vitamin C and cobalt nanoparticles	Prof. Dr. Muhammad Akhyar Farrukh	(FOST)	26/06/2024
38	Preparation Of New Nanoliposomal Vitamin C By micro-emulsification method for anticancer activities	Prof. Dr. Muhammad Akhyar Farrukh	(FOST)	26/06/2024
39	Cloud Seeding Kit for Drones	Dr. Syed Atif Mehdi	(FOIT)	29/10/2024
40	A Customizable 5-DOF Hip Exoskeleton	Dr. Zohaib Aftab	(FOE)	29/10/2024

41	A System to Measure Pressure at the Body Interface on a Curved Surface	Dr. Zohaib Aftab	(FOE)	23/10/2024
42	Jominy End Quench Apparatus	Mr. Qasim Shafqat Goraya	(FOE)	21/10/2024
43	Pharmaceutical Bilayer Tablet formulation and development with a novel composition	Dr. Muhammad Zaman	(FOPS)	03/10/2024
44	A Multi-epitope Malignant Mesothelioma Vaccine (MMV) Candidate	Dr. Muhammad Naveed	(FOST)	17/10/2024

5.5 UCP Patent Wall





5.6 Overview of Commercialization at UCP

ORIC, in principle, makes it easier to manage intellectual assets, which are mostly generated by faculty research, and transforms them into incredible technologies that benefit society. Links between academics and business are crucial for innovation and the creation of experiential learning models. In this regard, ORIC helps to create partnerships between industry and academia (faculty). In particular, ORIC could be in charge of the following positions and duties:

- ❖ Identifying and assessing relevant concepts
- ❖ Working with possible industrial partners
- ❖ Research and technology development
- ❖ Commercialization of technology

5.7 Prototype Development by FMs

At the University of Central Punjab (UCP), faculty members have demonstrated remarkable dedication to innovation and the practical application of research through the development of various prototypes. This initiative, particularly championed by the Faculty of Information Technology and Computer Science, has secured financial assistance for final year projects, resulting in the creation of working models and prototypes. These efforts highlight the faculty's commitment to fostering creativity, technological advancement, and addressing contemporary challenges.

The development of these prototypes not only enhances the learning experience for students but also contributes to solving real-world problems. By bridging the gap between theoretical research and practical application, UCP faculty members are driving technological progress and providing tangible solutions that benefit society.

This section details some of the notable prototypes developed by UCP faculty members, showcasing their innovative approaches and the potential impact of their work. These projects exemplify UCP's dedication to advancing knowledge, promoting sustainability, and fostering industry-academia collaboration.

Sr. No.	IP Title	Inventor/ Faculty Member Name	UCP Faculty	Prototype Development status
1.	Cloud Seeding Kit for Drones	Dr. Syed Atif Mehdi	(FOIT)	Yes
2.	Fly Ash Bricks Mix Design by Using Locally Available Material	Prof. Dr. Kafeel Ahmed	(FOE)	Yes
3.	Three Types Fluorescent Cancer Cell Tagging Regimen, And Its Utility in A Single Sample for Metastatic Dissemination qnd Drug Targeting	Dr. Ghulam Jilany Khan	(FOPS)	Yes
4.	Environmentally friendly synthesis of leather from genetically modified mushroom	Dr. Sumera Zaib	(FOST)	Yes
5.	Edispoons: Edible spoons revolutionizing sustainable utensils	Dr. Kanza Aziz Awan	(FOST)	Yes
6.	Novel Clove oil based Self-Emulsifying Drug Delivery System of Ticagrelor	Dr. M. Zaman	(FOPS)	Yes
7.	Pharmaceutical Capsule Formulation and Development with a Novel Composition	Dr. Muhammad Zaman	(FOPS)	Yes
8.	Novel Cardamom-Fennel Based Gummies for Muscle Spasm and Flatulence	Dr. Muhammad Zaman	(FOPS)	Yes

9.	Novel Composition of Chocolate Based Molded Tablets of Qust-e-Shireen and Stinging nettle	Dr. Muhammad Zaman	(FOPS)	Yes
10.	Novel composition based Pharmaceutical Bilayer tablet of Sitagliptin and Valsartan	Dr. Muhammad Zaman	(FOPS)	Yes
11.	Novel Composition of Chocolate Based Molded Tablets of Qust-e-Shirin	Dr. Muhammad Zaman	(FOPS)	Yes
12.	Stev-Barley Biscuits	Ahmad Faraz & Hiba Naveed	Takhleeq-UCP	Yes
13.	Chocodilla	Ahmad Faraz & Hiba Naveed	Takhleeq-UCP	Yes
14.	Oat and eggshell cookies	Ahmad Faraz & Hiba Naveed	Takhleeq-UCP	Yes
15.	Adzuki Beans	Ahmad Faraz & Hiba Naveed	Takhleeq-UCP	Yes
16.	Jominy End Quench Apparatus	Mr. Qasim Shafqat Goraya	(FOE)	Yes
17.	Computationally-Engineered Monoclonal Antibody Conjugate against Oral Squamous Cell Carcinoma	Dr. Muhammad Naveed	(FOST)	Yes
18.	A computationally engineered mRNA-based vaccine construct against the monkeypox virus	Dr. Muhammad Naveed	(FOST)	Yes

IPs Prototype Development & Commercialization of Intellectual Property and Display at Takhleeq-UCP"



5.8 Technology Transfer

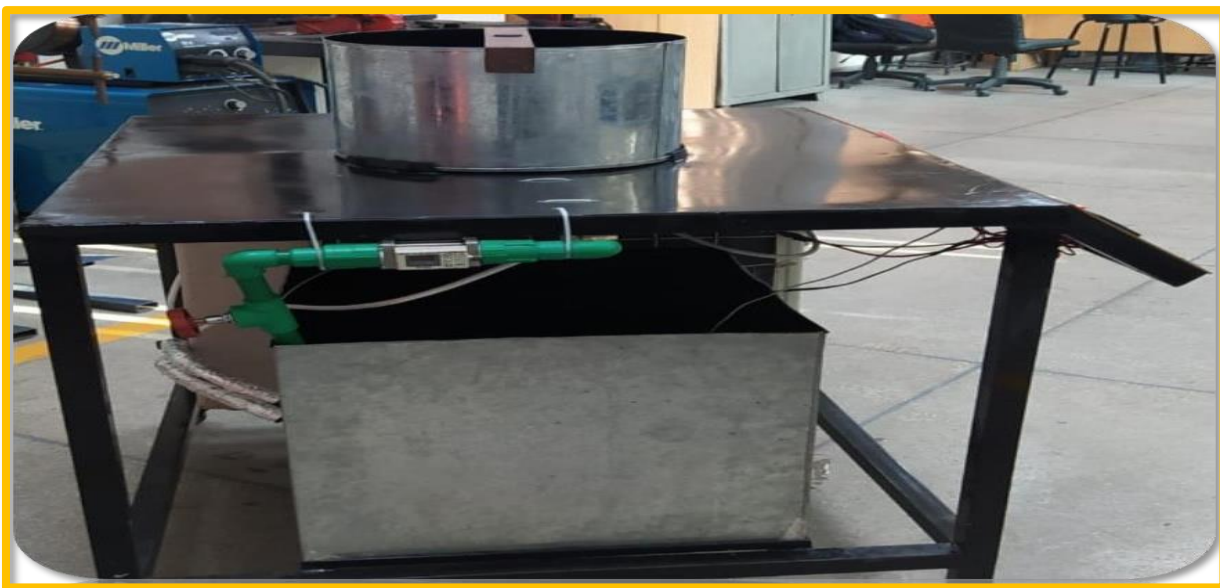
Technology transfer plays a crucial role in converting research and development (R&D) efforts into tangible products, services, or processes that can benefit society, drive economic growth, and foster innovation. By facilitating the movement of knowledge, skills, and technologies from academic institutions to industry, technology transfer ensures that scientific advancements are effectively utilized to address real-world challenges.

This section highlights notable technology transfer cases that exemplify the successful collaboration between the University of Central Punjab (UCP) and industry partners. These cases demonstrate how UCP's research capabilities have been harnessed to develop practical solutions for industrial applications.

1. Design of Jominy End Quenching Apparatus for measuring the Hardenability of Steel.

The Jominy End Quenching Apparatus is a critical tool used in the metallurgical industry to measure the hardenability of steel. Hardenability is a property that determines the depth and distribution of hardness induced by quenching, which is essential for understanding the performance characteristics of steel in various applications.

Sr. No.	Title	Industry	Faculty Member's Name
1	Design of Jominy End Quenching Apparatus for measuring the Hardenability of Steel.	Infinity Engineering	Engr. Qasim Shafqat Goraya Sr. Lecturer, ME-UCP
2	Design of Jominy End Quenching Apparatus for measuring the Hardenability of Steel.	Millat Equipment	Engr. Qasim Shafqat Goraya Sr. Lecturer, ME-UCP



2 Commercialization of Body Care Products in Collaboration with Pollux Pure (Pvt.) Limited

Prof. Dr. Muhammad Akhyar Farrukh, faculty member from the Faculty of Science and Technology (FOST) at UCP, has collaborated with Pollux Pure (Pvt.) Limited to develop a range of body care products. This initiative aims to leverage academic expertise and industry resources to create high-quality, commercially viable products. The products developed include:

1. **Anti-Bacterial Hand Wash:** This product is designed to effectively eliminate germs and bacteria, providing a hygienic solution for hand cleanliness. It is formulated with skin-friendly ingredients to ensure it is gentle on the skin while offering strong antibacterial protection.
2. **Moisturizing Lotion:** This lotion aims to provide deep hydration and nourishment to the skin. It is enriched with natural moisturizers and essential vitamins to keep the skin soft, smooth, and healthy. The formulation is suitable for all skin types and helps in maintaining the skin's natural moisture balance.
3. **Dish Wash:** This product is formulated to effectively remove grease and food residues from dishes while being gentle on the hands. It contains powerful cleaning agents that ensure dishes are left sparkling clean without leaving any harmful residues.

4. **Shampoo:** The shampoo is designed to cleanse and nourish the hair, promoting healthy and shiny hair. It is enriched with natural extracts and essential nutrients that help strengthen the hair and prevent damage. The formulation is suitable for all hair types and is free from harsh chemicals.

Dr. Farrukh has also proposed the establishment of a subsidiary company under the umbrella of UCP for the manufacturing and commercialization of these products. This initiative aims to create a sustainable business model that not only generates revenue but also provides practical training and research opportunities for students and faculty members. By commercializing these products, UCP aims to bridge the gap between academic research and market needs, fostering innovation and entrepreneurship within the university community.



CHAPTER

6

INDUSTRY ACADEMIA LINKAGES (IAL)



CHAPTER

6

Industry-Academia Linkages

Industry-academia linkages are collaborative relationships and partnerships between academic institutions, such as universities and research centers, and industries, including businesses, corporations, and organizations operating in various sectors. These linkages are essential for fostering mutual benefits, driving innovation, and bridging the gap between theoretical knowledge and practical applications.



At the University of Central Punjab (UCP), we recognize the critical importance of these partnerships in enhancing the quality of education, promoting research and development, and contributing to economic growth. By engaging with industry partners, UCP aims to ensure that its academic programs remain relevant and aligned with the evolving needs of the industry.

This chapter explores the various initiatives and programs that UCP has implemented to strengthen its industry-academia linkages. These efforts include the Faculty Industry Placement Program (FIPP), industrial visits, meetings and collaborations that provide faculty members and students with invaluable industry insights and practical experience. Through these initiatives, UCP is committed to fostering a collaborative environment that benefits both the academic and industrial sectors, driving innovation and addressing contemporary challenges.

6.1 Faculty Industry Placement Program (FIPP)

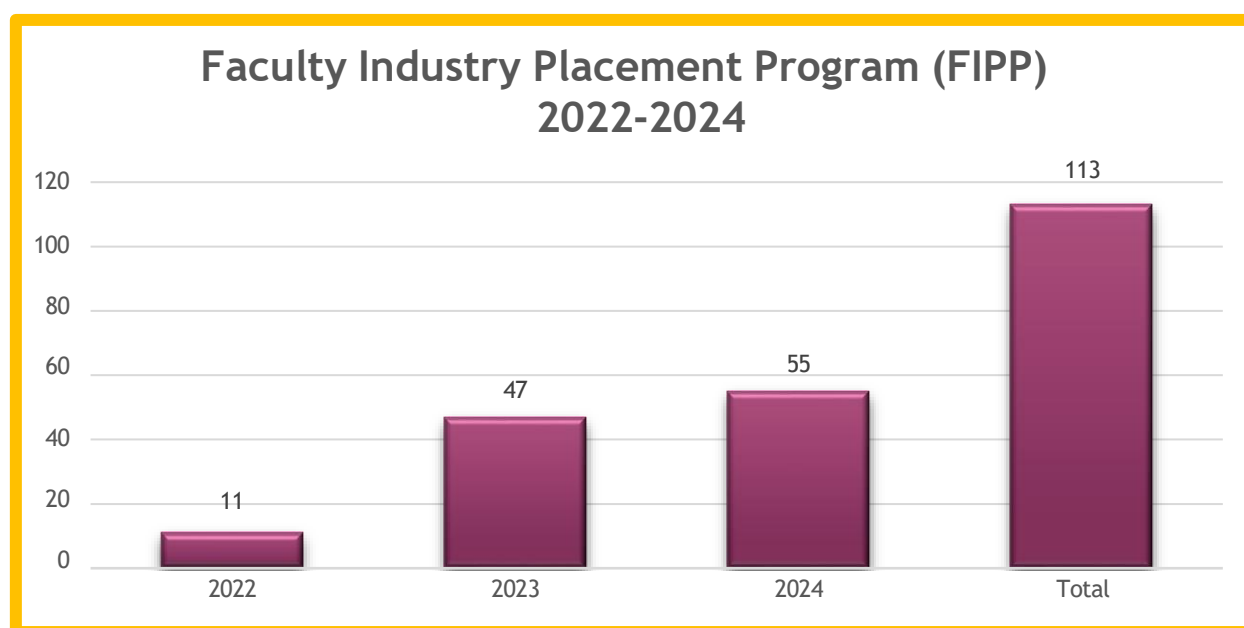
The Faculty Industry Placement Program (FIPP) is a program designed to enhance the synergy between academia and industry by placing faculty members in various industries. The program aims to provide faculty members with invaluable industry insights, enriching the classroom experience for students and ensuring that the curriculum remains cutting-edge.

The program also provides substantial benefits to the industry as the faculty is able to provide them with solutions to the utmost challenges faced by them. The Faculty Industry Placement Program has several benefits for both Academia and Industry. For academia, it provides an opportunity for faculty members to gain exposure to industrial environments, which can help them develop new research ideas and improve their teaching methods. For industry, it provides access to highly skilled professionals who can help them solve complex problems and develop new products and services.

In 2024, 55 Faculty Members were placed in renowned industries such as in IT, Health, Textile, Bio-Tech, Manufacturing industries in Pakistan. This Industry placement was held in the months of August and September, 2024, for a period of one to two weeks as per available time slots by the relevant Industries.

6.2 UCP-Faculty Industry Placement Program (FIPP)

6.2.1 FIPP Year wise

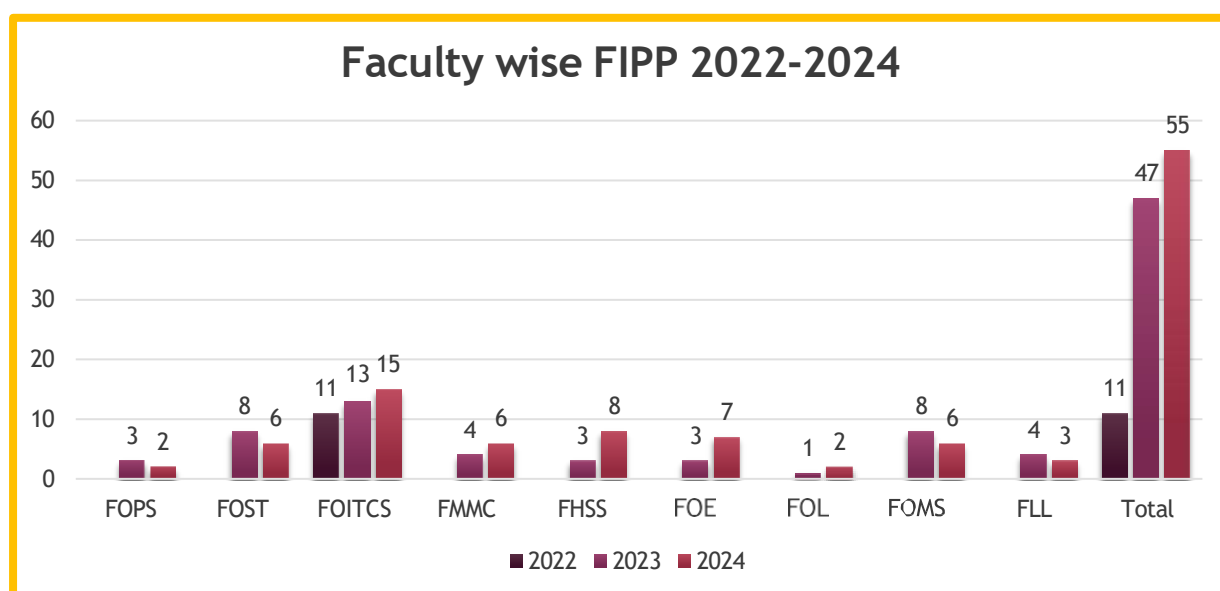


6.2.2 Faculty wise FIPP 2022-2024

Industrial projects refer to a wide range of initiatives undertaken by businesses and industries to achieve specific objectives related to production, innovation, efficiency, expansion, or other aspects of their operations.

These projects require careful planning, budgeting, project management, and often cross-functional collaboration within organizations.

FIPP aimed at facilitating the placement of faculty members from academic institutions into industry settings. The goal is to foster collaboration between academia and industry by allowing faculty to gain real-world experience, apply their expertise, and contribute to industry projects. Details of FIPP Programs are as below:



List of Faculty Member's and Relevant Industry for FIPP-2024

Sr. No.	Faculty Members Names	Faculty	FMs Domains	Industry Name	Date
1	Dr. Ghulam Jilani Khan	FOPS	Pharmaceutics, Pharmacology	Masood Pharmaceuticals Ltd.	2-6 September 2024
2	Ms. Samreen Tanveer			Avanza Pharmaceutical Private Limited	1-7 August 2024
3	Dr. Muhammad Saleem	FOST	Biotechnology Plant Biotechnology Genetics	Plant manager mega Pharmaceuticals limited	5-16 August 2024
4	Dr. Babar Hussain		Biotechnology	Weltop Seeds Ltd.	2-6 September 2024
5	Ms. Sadia Zia		Food Science & Technology	TTI Labs	19-23 August 2024
6	Ms. Maria Haris			TTI Labs	19-23 August 2024
7	Dr. Mohsin Gulzar Barq		Microbiology	Atlas Foods Ltd	12-16 August 2024
8	Dr. Mudassar Ali		Physics	Tanbits	26-30 August 2024
9	Dr. Muzammil Hussain	FOIT&CS	Computer Sciences	Pikes Soft	19-23 August 2024
10	Dr. Rabia Tehseen			Siemens group	26-30 August 2024
11	Shah Nawaz			ML Bench	12-16 August 2024
12	Taimoor Hassan			Tanbits	26-30 August 2024
13	Ms. Sidra Naureen	FOIT&CS	Computer Science	Tanbits	26-30 August 2024

14	Nabeel Ahsan			Techlogix	12-16 August 2024
15	Ms. Afifa Hameed			ML Bench	19-23 August 2024
16	Rizwan Rasheed			ML Bench	5-9 August 2024
17	Muhammad Noman			Devtrain	20-24 August 2024
18	Awais Muhammad Lodhi		Software Engineering	Siemens group	26-30 August 2024
19	Malik Junaid Aziz			Pikes Soft	26-30 August 2024
20	Ms. Rabia Arshad			ML Bench	19-23 August 2024
21	Ms. Faiza Khadim			Pikes Soft	26-30 August 2024
22	Ms. Hina Tahir			Siemens group	26-30 August 2024
23	Dr. Shazia Saqib			Xeven solutions	19-23 August 2024
24	Dr. Aisha Hakim	FMCC	Media & Mass Communication	Message Communication	19-23 August 2024
25	Ashbeelah Shafaqat Ali			Solutyics	12-16 August 2024
26	Ms. Mariam Irshad			Samaa TV	19-23 August 2024
27	Ms. Mariyam Idrees			Samaa TV	19-23 August 2024
28	Dr. Sadaf Zahra			Message Communication	19-23 August 2024
29	Ms. Tabina Sirhindi			Solutyics	12-16 August 2024
30	Dr. Adnan Fateh	FHSS	Psychology	Vital Petroleum	19-23 August 2024
31	Ms. Shagufta Shaeen			IBEX Global - The Resource Group Company	12-16 August 2024
32	Ms. Sidra Maryam		General Education	Ministry of finance, Islamabad	2-16 September 2024

33	Dr. Abdul Mateen Khan			Lahore Chamber of Commerce and Industry (LCCI)	29 July – 2 August 2024
34	Asad Pervaiz			Lahore Chamber of Commerce and Industry (LCCI)	29 July - 2 August 2024
35	Dr. Sawaira			Centre for Pakistan studies, PU	29 July - 2 August 2024
36	Syeda Ayesha Noor			Fruits of sustainability/LCCI	2-6 September 2024
37	Ms. Arooj Nazir self			PILL, Pakistan Institute of Living and Learning	19 to 23 August 2024
38	Engr. Maria Talib	FOE	Civil Engineering	Izhar Group	24-27 September 2024
39	Engr. Burhan Ahmed			Izhar Group	24-27 September 2024
40	Engr. Nabeel Khalid		Electrical Engineering	Bless Engineering	26 August - 6 September 2024
41	Engr. Aamir Hayat			LED bulb manufacturing company "HITEC GLOW"	30 September - 4 October 2024
42	Mr. Jalil Asghar			ISP design, develop and testing Industry	19-23 August 2024
43	Engr. Muhammad Abdullah		Mechanical Engineering	Albario Engineering (Pvt) Ltd	2-6 September 2024
44	Engr. Waseem Iqbal			Albario Engineering (Pvt) Ltd	2-6 September 2024
45	Ms. Rida Khawar	FOL	Family Dispute Resolution (FOL)	Ahsan Legal Services,	2-13 September 2024
46	Ms. Freeha khaled			The Legal Mentors	2-13 September 2024
47	Dr. Ahmad Faisal Imtiaz Siddiqui	FOMS	Business / Management Sciences /HR	Siemens	26-30 August 2024
48	Dr. Haroon Qasim			Sweet sixteen	5-10 August 2024

49	Dr. Rizwan Ali			Sweet sixteen	5-10 August 2024
50	Mr. Abdur Rehman			Alkhidmat	19-30 August 2024
51	Mr. Ahsan Ali Siddiqui			Shafi Reso Chemicals (SRC)	9-13 September 2024
52	Mr. Kashif Butt			Shafi Reso Chemicals (SRC)	9-13 September 2024
53	Dr. Rahat Bashir	FLL	Languages & Literature	Deaf Reach	29 July - 2nd August 2024
54	Ms. Rameesha Haris			Deaf Reach	29 July - 2nd August 2024
55	Ms. Nosheen Asghar			Deaf Reach	29 July - 2nd August

6.3 Scope

- ❖ UCP Faculty as industry placement coordinators and workplace assessors.
- ❖ Host organizations.
- ❖ UCP Nominated Faculty undertaking an Industry Placement as required in the approved UCP program.

6.4 Principals

All industry placements must be part of an approved program.

- ❖ The Director ORIC must approve Industry Placements.
- ❖ Arrangements between UCP and the host organization must be in writing.
- ❖ Faculty must participate in an industry placement at a time negotiated between the faculty, the host organization and the UCP industry placement coordinator.

6.5 Industry Placement Provider Eligibility

The University values its relationships with external stakeholders and seeks to develop arrangements for industry placements for mutual benefit.

The University will not accept the following industry placement opportunities:

- ❖ Home-based businesses
- ❖ Commission-only jobs
- ❖ Work involving any illegal activity

- ❖ Any work which requires the employee to purchase a product or service, or offer a security deposit or similar as a condition of employment
- ❖ Any work that will cause expense for the faculty i.e., own use of phone or laptop
- ❖ Any work that requires the use of UCP's equipment for commercial use i.e., film and television cameras, lighting, sound, editing suites.

6.6 Roles and Responsibilities

- ❖ Enable the nominated faculty to apply and extend skills for their particular aptitude in a real working environment with appropriate supervision and guidance.
- ❖ Appoint a host staff member to supervise the nominated faculty whilst on industry placement.
- ❖ Conduct a training to the work site.
- ❖ Provide Industry Placement feedback or reports to ORIC for evaluation.
- ❖ Support the nominated faculty at all times and facilitate access to the workplace by UCP Filo who will support and assess.
- ❖ Inform Faculty that they must comply with the organization's policies and rules with respect to confidentiality, behavior and discipline whilst undertaking a placement.
- ❖ Provide the appropriate facilities, equipment and learning experiences for the faculty members, taking into account the level of the Faculty Member's skills and Experience .
- ❖ Notify the University if the faculty member does not meet agreed attendance Requirements.
- ❖ Maintain confidentiality regarding the University's confidential information
- ❖ Appropriately manage records relating to the faculty member including attendance and progress reviews.

6.7 Potential Research Areas identified by ORIC & Faculty Members during FIPP

Sr. No.	Faculty	Research Areas	Relevant Industries
1.	FOST	<ul style="list-style-type: none"> ➤ Biotechnology and Genomics ➤ Sustainable Energy Technologies ➤ Digital Health and Telemedicine ➤ Signal Transduction ➤ Membranes and Transport Mechanisms ➤ Protein Structure and Dynamics ➤ Molecular Medicine and Drug Discovery ➤ Computational Biology ➤ Biomaterials ➤ Cancer Biotechnology ➤ Cardiovascular Biology and Transplantation Biology ➤ Cell and Molecular Biology ➤ Developmental Biology and Neurobiology ➤ Diagnostics and Medical Devices ➤ Drug Discovery and Delivery ➤ Microbial and Environmental Biotechnology ➤ Nanobiotechnology ➤ Stem Cell Biology ➤ Sustainability and Global Health Biotechnology ➤ Synthetic and Systems Biology ➤ Microbial Food Safety ➤ Sensory and Consumer Science, Food Choice, and Eating Behavior ➤ Seed Science ➤ Artificial Intelligence and Machine Learning ➤ Quantum Computing 	<ul style="list-style-type: none"> ➤ Plant manager mega Pharmaceuticals limited ➤ Weltop Seeds Ltd ➤ TTI Labs ➤ Atlas Foods Ltd ➤ Tanbits ➤ Shafi Reso Chemicals ➤ Weltop Seeds Company ➤ Highnoon Laboratories ➤ Centre of Excellence in Molecular Biology (CEMB) ➤ Thal Industries Corporation Limited ➤ Chaman Foods Pvt. Ltd ➤ Hi-Tech Feeds ➤ PIEDMC (Punjab Industrial Estate Development and Management Company) ➤ Sabroso ➤ K&Ns
2.	FOIT &CS	<ul style="list-style-type: none"> ➤ Artificial Intelligence (AI) and Machine Learning (ML) ➤ Quantum Computing 	

		<ul style="list-style-type: none"> ➤ Cybersecurity ➤ Bioinformatics ➤ Siemens group ➤ ML Bench ➤ Tanbits ➤ Pikes Soft ➤ Techlogix ➤ Edge Computing ➤ Human-Computer Interaction (HCI) ➤ Weather Forecasting APP. Type: Application development, Web development, Programming. ➤ AI, data science and robotics ➤ Big Data Analytics ➤ Biometrics and Computational Biology ➤ Data Mining and Databases ➤ Blockchain and Decentralized Systems ➤ News Feed App ➤ Optical Character Recognition System (OCR). ➤ Library Management System. ➤ Virtual Private Network. ➤ e-Authentication System. ➤ Real-time web search engine. ➤ Task Management Application ➤ Health technologies ➤ Defense technologies ➤ AI and Cyber Physical System ➤ Networking and Embedded Systems ➤ Computer Vision and Augmented Reality ➤ Wireless Networks and Distributed Systems ➤ Xeven solutions ➤ ZAPTA Technologies ➤ Techverx ➤ Developers Studio ➤ Cybersoft North America Inc Lahore Office ➤ Phaedra Solutions ➤ Elite Techlogix ➤ Onyxtec ➤ APP Genni
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4.	FOPS	<ul style="list-style-type: none"> ➤ Personalized Medicine ➤ Biopharmaceuticals ➤ AI and Machine Learning ➤ Regenerative Medicine ➤ Immunotherapy ➤ Drug Delivery ➤ Pharmacokinetics ➤ Clinical Pharmacology and Translational Research; Comparative Effectiveness; Pharmacometrics ➤ Development of new bio-analytical technologies for quantitative profiling of metabolites and proteins ➤ Development of molecular simulation and data science tools for drug and materials design. 	<ul style="list-style-type: none"> ➤ Masood Pharmaceuticals Ltd. ➤ Avanza Pharmaceutica l Private Limited ➤ Lahore Chemical & Pharmaceutical Works ➤ CCL Pharmaceuticals ➤ Frontier Dextrose Limited ➤ Hansel Pharmaceutical pvt ltd ➤ VENUS PHARMA ➤ Schazoo Pharmaceutical Laboratories ➤ Popular Chemicals, Sheikhpura
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5.	FOL	<ul style="list-style-type: none"> ➤ Cybersecurity and Data Protection ➤ Artificial Intelligence and Law ➤ Environmental and Energy Law ➤ Health Law and Bioethics ➤ Intellectual Property Law ➤ Develop software for Centralized E-IPO proceedings for registration and certification of the Patent, Copyright, Trademark, Design. ➤ Pakistan joined the Madrid Protocol of WIPO on 24th February 2021 and ratified it on 24th May 2021: The Studies on its Benefits, Consequences and Outcomes. ➤ Why has Pakistan not joined the PCT (Patent Cooperation Treaty)? If joined what would be the benefits, Consequences, and Outcomes? <p>Research on Geographical Identification, Benefit Sharing Mechanism in Intellectual Property Rights, what model do we need for Plant Breeding rights?</p>	<ul style="list-style-type: none"> ➤ Ahsan Legal Services, ➤ The Legal Mentors ➤ Exam Legal Solutions ➤ Judicial & Trading International ➤ Mak Legal Corporate Services ➤ TMT Law Services ➤ Ailia Trademark & Patent Services <p>Ali & Associates</p>
6.	FOMS	<ul style="list-style-type: none"> ➤ Digital Transformation ➤ Sustainability and Corporate Social Responsibility (CSR) ➤ Artificial Intelligence (AI) and Machine Learning ➤ Blockchain Technology ➤ Remote Work and Workforce Management ➤ Managing technology & innovation ➤ Resources management & sustainable development ➤ Social entrepreneurship ➤ Corporate responsibility, ethics & accountability ➤ Organizational behavior and human resource management ➤ Marketing and consumer behavior ➤ Finance and accounting ➤ Operations and supply chain management ➤ Entrepreneurship and innovation ➤ Strategic management and international business Parameters to study performance in an industry: Servqual, Balance score card 	<ul style="list-style-type: none"> ➤ Siemens ➤ Sweet sixteen ➤ Alkhidmat ➤ Shafi Reso Chemicals (SRC) ➤ Stylo Head Office ➤ FoodPand a Headoffice ➤ Cheetay Head Office ➤ AffinityVibez KPMG

7.	FHSS	<ul style="list-style-type: none"> ➤ Cultural Diversity ➤ Medical sociology ➤ Research ethics ➤ Sociology of violence ➤ The history of ideas ➤ Race, colonization and development ➤ Feminist theory ➤ Global governance, aid and development, human rights ➤ Immigration, citizenship and political representation ➤ Ethics—including ethical theory (e.g., are moral properties real?), moral psychology, the ethics of technological change, virtue theory and the philosophy of mental health and mental disorder ➤ Feminism in the corporate place: a critical analysis of the challenges and opportunities for women in leadership positions. ➤ The political impact on the protection of minority groups: a comparative study of different countries and regions and how their political systems affect the rights and representation of minorities. ➤ The effects of social media on teens and youths: an empirical investigation of the psychological, social, and educational impacts of social media use among young people. ➤ The worldwide impact of corruption: a quantitative assessment of how corruption affects economic development, social welfare, and environmental sustainability in different contexts. ➤ The ethics of AI: a philosophical exploration of the moral implications and challenges of artificial intelligence and its applications. 	<ul style="list-style-type: none"> ➤ Vital Petroleum ➤ IBEX Global - The Resource Group Company ➤ Ministry of finance, Islamabad ➤ Lahore Chamber of Commerce and Industry (LCCI) ➤ Centre for Pakistan studies, PU ➤ Fruits of sustainability/LCCI ➤ PILL, Pakistan Institute of Living and Learning
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8.	FLL	<ul style="list-style-type: none"> ➤ Language Learning and Assessment ➤ Language Acquisition ➤ Language for Specific Purposes ➤ Lexicology ➤ Morphology ➤ Phonetics and Phonology ➤ Pragmatics ➤ Psycholinguistics ➤ Semantics ➤ Semiotics ➤ Sociolinguistics ➤ Discourse Analysis ➤ Stylistics ➤ Syntax ➤ Functional Linguistics ➤ Translation Studies 	<ul style="list-style-type: none"> ➤ Deaf Reach ➤ Dastan Publishing House, Pakistan Pvt. Ltd ➤ Ajoka Theatre ➤ Together Pakistan ➤ Institute of Career Development-ICD, Pakistan ➤ Helping Hand for Relief and Development
9.	FMMC	<ul style="list-style-type: none"> ➤ Digital Media and Society ➤ Media and Technology ➤ Media and Politics ➤ Visual Culture and Sound Studies ➤ Media Literacy and Education ➤ Multimedia storytelling ➤ Proficiency in various media production forms such as writing, photography, video editing, and graphic design ➤ Health and Science Communication ➤ Media Representation and Diversity ➤ Social Media ➤ Youth and Scholastic Media ➤ Sports Media ➤ Digital Inclusion ➤ Media and Information Literacy ➤ Public Relations and Advertising ➤ Local Journalism ➤ Crisis Communications ➤ History ➤ Media Law & Ethics ➤ Health Communication 	<ul style="list-style-type: none"> ➤ Message Communication ➤ Solutyics ➤ Samaa TV ➤ Message Communication Solutyics

6.8 Industrial Academia Linkages (IAL) Industrial Visits/ Meetings

In the past year, the University of Central Punjab (UCP) has actively engaged in fostering strong industrial-academia linkages through a series of strategic visits and meetings with various industry representatives and community members. These interactions have been pivotal in identifying potential research subjects and collaborative opportunities that align with the needs and challenges of the industry.

The following section provides a detailed account of the visits conducted by representatives from diverse industries, highlighting these engagements' key agendas and outcomes. These initiatives are part of UCP's ongoing commitment to bridging the gap between academia and industry, promoting mutual growth, and driving innovation through collaborative research efforts.

By leveraging these partnerships, UCP aims to enhance the practical relevance of its research, provide valuable insights to industry partners, and create opportunities for faculty and students to engage in real-world problem-solving. Details of the visits to different industries is as follows;

Sr. No.	Name of Industry	Name of Visitors	Date of visit	Agenda of visit
1.	TTI Labs	<ul style="list-style-type: none"> ❖ Mr. Sarim Mehmood, TTI Labs ❖ Mr. Adnan, TTI Labs ❖ Director ORIC-UCP 	31 st Oct, 2022	UCP stalls in various exhibitions to approach the industry to get to know their challenges for UCP researchers to work on it i.e., Pakistan Chemical show, Leather show, PAPAM show etc held at Expo center

2.	Bahria Town Head Office, Lahore	<ul style="list-style-type: none"> ❖ Mr. Najam Ul Hassan Butt- Manager Bahria Projects ❖ Mr. Mudassir Hussain -GM Construction ❖ M. Noman Hussain Siddiqui 	16 th Feb, 2024	"Industrial Visit at Bahria Town Head Office, Lahore: Discussion on Mutual Areas of Research for Collaboration, Faculty Industry Placement Program (FIPP) And Student Internships"
3.	PCMA (Pakistan Chemical Manufacturers Association)	<ul style="list-style-type: none"> ❖ Mr. Arsalan Nadeem, Asst Manager, R&I PCMA ❖ Mr. Muhammad Saeb, Head of Pakistan Chemical Expo 	13 th March, 2024	"Meeting with PCMA (Pakistan Chemical Manufacturers Association): Discussion on Mutual Areas of Research for Collaboration, Faculty Industry Placement Program (FIPP)"
4.	PEMA (Pakistan Ethanol Manufacturing Association)	<ul style="list-style-type: none"> ❖ Mr. Arshad Javed Kayani, Secretary General PEMA ❖ Mian Amer Rasheed, Premier Industrial Chemicals Mfg. Pvt. Ltd Sheikhpura 	1 st Mar, 2024	"Meeting on Research Collaboration with Sugar Industry through PEMA: Discussion on Mutual Areas of Research for Collaboration & Faculty Industry Placement Program (FIPP)"

5.	REAP (Rice Exporter Association of Pakistan)	<ul style="list-style-type: none"> ❖ Mr. Chela Ram Kewlani, Chairman REAP ❖ Mr. Ali. Narang, M/S East Rice Company (Pvt) Ltd ❖ Mr. Ali Hussam Asghar, Ali Commercial Corporation (Former Chairman REAP) ❖ Mr. Haseeb Ali Khan, Senior Vice Chairman-REAP ❖ Ch. Sami Ullah Naeem, Atlas Food (Pvt) Ltd ❖ Mr. Taufiq Ahmad Khan, Ahmad Associates ❖ Habib-ur-Rehman, Vice Chairman, Ishfaq Comodates 	13 th Mar, 2024	"Meeting for Research Collaboration with REAP (Rice Exporter Association of Pakistan): Discussion about Aflatoxin and Pesticides as a major challenge of Rice Industry; Importance of Industry Academia Linkages. The aim of the meeting was to strengthen interaction and research collaboration between the UCP Faculty and REAP".
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		<ul style="list-style-type: none"> ❖ Asif Ali Shiekh, M/S Asif Rice Mills ❖ Mr. Kashif-ur-Rehman, S.G. REAP 		
6.	PAPAM (Pakistan Association of Automotive Parts & Accessories Manufacturers)	<ul style="list-style-type: none"> ❖ Mr. Ghulam Murtaza, Secretary General PAPAM ❖ Umair Nisar Malik, Manager R&D PAPAM 	22 nd Mar, 2024	"Meeting for Research Collaboration with PAPAM (Pakistan Association of Automotive Parts & Accessories Manufacturers): Discussion on major issues faced by Automotive Industry and emphasis on the study of Regional Competitiveness and Localization Study to increase exports of Pakistani engineering products. The Importance of Industry Academia Linkages. The aim of the meeting was to strengthen interaction and research collaboration between the UCP (FOE) faculty and PAPAM. "

7.	East Rice Company Pvt. Ltd	<ul style="list-style-type: none"> ❖ Mr. Ali. Narang, CEO East Rice Company (Pvt) Ltd. ❖ Mr. Usman, Director Technical Production/Marketing. 	29 th Mar, 2024	"Meeting on Research Collaboration with East Rice Company Pvt. Ltd: Discussion on the Importance of Industry Academia Linkages. The aim of the meeting was to strengthen interaction and research collaboration between the UCP Faculty and East Rice Company (Pvt) Ltd".
8.	East Rice Company Pvt. Ltd	<ul style="list-style-type: none"> ❖ Mr. Ali. Narang, CEO East Rice Company (Pvt) Ltd. East Rice Company 	24 th Aug, 2024	<p>"CEO East Rice Company Welcome the delegates of UCP Scientists/Researchers. He briefed about two major challenges of Rice Industry;</p> <ul style="list-style-type: none"> ❖ Degradation of Aflatoxins in Brown Rice and affecting export of Brown Rice to Europe. ❖ Degradation of Pesticides Residue in Paddy and Rice. <p>Dir. ORIC highlighted the Importance of Industry Academia Linkages. The aim of the meeting was to strengthen interaction and research collaboration between the UCP Faculty and East Rice Company</p>

9.	PSQCA (Pakistan Standards & Quality Control Authority)	❖ Mr. Majid Shafique (Deputy Director, PSQCA).	22 nd Dec, 2024	Meeting was arranged by ORIC and held on December 22, 2023 (Friday) at 12.00 PM at Board Room, Takhleeq Building, UCP. Dean FOST convened the meeting with the objective to take actions as per direction of the worthy Pro-Rector (Meeting held on 19-12- 2023 in Pro-Rector Office) and proposal of Pollux pure (Pvt). Ltd was discussed for collaboration
10	UCP-ORIC Meeting on Research Collaboration with Millat Equipment Ltd	❖ Abdul Mannan, Senior Manager Millat Equipment ❖ Dr. Rizwan Shad, Dean FOE ❖ Dr. Muhammad Kashif, HOD-ME, FOE ❖ Director. ORIC-UCP	June 26, 2024	The aim of the meeting was to strengthen interaction between the UCP Faculty and the personnel from the sugar industry. The discussions focused on industrial issues and their possible solutions by the UCP Researchers

11	UCP-ORIC Meeting on Research Collaboration with Infinity Engineering, Ltd	<ul style="list-style-type: none"> ❖ Abdul Mannan, Senior Manager Millat Equipment ❖ Dr. Rizwan Shad, Dean FOE ❖ Dr. Muhammad Kashif, HOD-ME, FOE ❖ Director. ORIC-UCP 	June 26, 2024	The aim of the meeting was to strengthen interaction between the UCP Faculty and the personnel from the sugar industry. The discussions focused on industrial issues and their possible solutions by the UCP Researchers
12	FHSS FMs and UCP-ORIC Meeting with Lahore Chamber of Commerce and Industries (International Business Department	<ul style="list-style-type: none"> ❖ M. Abdul Mateen Khan, FHSS-UCP ❖ Asad Pervaz, FHSS-UCP ❖ Director. ORIC-UCP 	August 02, 2024	<p>Dir. ORIC shared that the promotion of IPR awareness as well as education in the country to encourage research,</p> <p style="text-align: right;">in</p> <p>novation, creativity, commercialization of products and processes, and to encourage the use of the IP system at the gross root level is the need of the hour without wasting any further time.</p>

13	Atlas Food (Pvt) Ltd.	<ul style="list-style-type: none"> ❖ GM Atlas Food ❖ Dr. M. Afzal, Biochemistry-UCP ❖ Dr. Mohsin Gulzar, Microbiology-UCP ❖ Director. ORIC-UCP ❖ 	August 29, 2024	Dir. ORIC highlighted the Importance of Industry Academia Linkages. The aim of the meeting was to strengthen interaction and research collaboration between the UCP Faculty and Atlas Food (Pvt) Ltd.
14	UCP-ORIC Meeting on Commercialization of Products with S.R Labs	<ul style="list-style-type: none"> ❖ Mr. Ijaz Noor (GM, S.R Labs) ❖ Ms. Nagina Rafiq, ORIC-UCP ❖ Director. ORIC-UCP 	September 12, 2024	The aim of the meeting was to commercialize UCP products proposed by Prof. Dr. Muhammad Akhyar Farrukh

FHSS FMs and UCP-ORIC Meeting with Lahore Chamber of Commerce and Industries (LCCI) (August 02, 2024)

Sr. No.	Notable Initiative	Actions
1.	Promotion of IPR Awareness	Dir. ORIC emphasized the need for promoting IPR awareness and education to encourage research, innovation, and commercialization.
2.	Discussion on Mutual Areas of Collaboration	<ul style="list-style-type: none"> - UCP has filed a total 80 patents, with 4 granted by IPO, Pakistan. - Governments should ensure political stability and policy continuity. - Encourage local industries to engage with global best practices and technological advancements. - LCCI expects graduates to possess strong analytical and strategic thinking skills.

➤ **UCP (FOST) Meeting on Research Collaboration with Atlas Food (Pvt) Ltd. (August 29, 2024)**

Sr. No.	Notable Initiative	Actions
1.	Presentation on Aflatoxins	Dr. Mohsin presented an overview on 'Enzymes-mediated mycotoxins degradation by non-toxic fungi in cereal crops'.
2.	Objectives of Study	<ul style="list-style-type: none"> - Isolation of aflatoxins from fungal-infected Maize (Zea mays). - Isolation and partial purification of mycotoxins degrading. - Check degradation of mycotoxins by mycotoxin-degradation enzymes through various biochemical techniques.
3.	Study Conclusions	<ul style="list-style-type: none"> - Toxigenic strains of Aspergillus flavus, Rhizopus species, and Fusarium species are major contaminants. - Microbial degradation method used to degrade mycotoxins in food and feed. - Convert toxins into less toxic and non-toxic metabolites. - Reduce maximum level of aflatoxins contamination.
4.	Degradation of Pesticides Residues	Dr. Mohsin to give a detailed presentation within two weeks for an agreement.
5.	MOU Signing	MOU to be signed for confidentiality of research between East Rice Company (Pvt) Ltd. and UCP.

➤ **UCP-ORIC Meeting on Commercialization of Products and Facilitation regarding Lab Equipment (September 12, 2024)**

Sr. No	Notable Initiative	Action
1	Presentation on S.R Labs and Feeds	Mr. Ijaz Noor gave a detailed presentation on S.R Labs and Feeds.

2	Lab Equipment Facility for UCP Students	<ul style="list-style-type: none"> - Mr. Ijaz Noor briefed about registration of products available at S.R Labs and Feeds. - Mr. Ijaz Noor informed that lab equipment can be provided to UCP researchers and professionals. - ORIC will coordinate and facilitate all processes for Lab Equipment facility.
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➤ **FOST Faculty Member and UCP-ORIC Meeting with East Rice Company, Mandi Faizabad (August 12, 2024)**

Sr. No	Notable Initiative	Action
1	Discussion of project biodegradation of pesticide	Focal Person: Mr. Manzoor
2	Collaboration opportunities with East Rice Company	Explore potential joint ventures
3	Research funding and support	Identify funding sources and grants
4	Technology transfer and commercialization	Develop strategies for market entry
5	Training and capacity building	Plan workshops and training sessions

6.9 Faculty Members (FMs) Meeting with Industry at UCP

Over the past year, ORIC has welcomed a diverse array of industry representatives, including international visitors, to foster meaningful collaborations. These meetings have been instrumental in bridging the gap between academia and industry, promoting joint research initiatives, and addressing real-world challenges.

This section highlights the various visits by industry representatives to UCP, showcasing the university's commitment to engaging with both local and international partners. The primary purpose of these meetings was to strengthen interactions, explore mutual areas of research, and develop practical solutions to industry-specific issues. By facilitating these engagements, UCP aims to ensure that its research remains relevant and impactful, benefiting both the academic community and the industry. Detail of Industries representatives visits to UCP-ORIC is as follow

Sr. No.	Name of Industry	Name of Visitors	Date of visit	Agenda of visit
1.	Rescue 1122	Dr. Rizwan Naseer, DG Rescue 1122	19th April, 2023	"Meeting on Research Collaboration with Rescue 1122: Discussion on importance of joint/collaborative research and academia role in solving Rescue 1122 challenges/Problems".
2.	PEMA (Pakistan Ethanol Manufacturing Association)	Mr. Arshad Javed Kayani, Secretary General, PEMA	3rd July, 2023	The agenda of the meeting was to strengthen interaction between the UCP Faculty and the personnel from the sugar industry. The discussions focused on industrial issues and their possible solutions by the UCP Researchers i.e., treatment of waste water to reduce COD and conversion of ethanol into biofuel/biodiesel.
3.	Mansab Agro Seeds Pvt. Ltd.	Dr. M. Qadir Ahmad, Associate Professor, BZU Muhammad Ashfaq, CEO and Founder, Mansab Agro Seeds Pvt. Ltd.	30th Oct, 2023	The aim of the meeting was to strengthen interaction between the UCP Faculty and the personnel from the seed industry. The discussions focused on industrial issues and their possible solutions by the UCP Researchers i.e., collaboration in seed production of cotton, rice, wheat and garlic.
4.	Weltop Seeds	Dr. Sultan Mahmood, CEO, Weltop Seeds	30th Oct, 2023	The aim of the meeting was to strengthen interaction between the UCP Faculty and the personnel from the sugar industry. The discussions

				focused on industrial issues and their possible solutions by the UCP Researchers i.e., treatment of waste water to reduce COD and conversion of ethanol into biofuel/biodiesel.
5.	China Mobile Company	Tauseef-ur- Rehman Khan, Deputy General Manager Centrala China Mobile Company	15th Dec, 2023	The agenda of the meeting was to strengthen interaction between the UCP Faculty and the personnel from the sugar industry. The discussions focused on industrial issues and their possible solutions by the UCP Researchers i.e., treatment of waste water to reduce COD and conversion of ethanol into biofuel/biodiesel.
6.	PEMA (Pakistan Ethanol Manufacturing Association)	Mr. Arshad Javed Kayani, Secretary General, PEMA	13rd July, 2024	The agenda of the meeting was to strengthen interaction between the UCP Faculty and the personnel from the sugar industry. The discussions focused on industrial issues and their possible solutions by the UCP Researchers i.e., treatment of waste water to reduce COD and conversion of ethanol into biofuel/biodiesel.
7.	UCP (ORIC) Meeting with Mr. Zheng Xuechen (GM)	Mr. Zheng (GM), Linqing Niushang Bearing Co., LTD, China Ms. Saras Linqing Niushang	October 28, 2024	The main focus of the meeting was to establish potential collaboration avenues between ORIC-UCP and the Chinese company. The overarching goal was to foster a long-term partnership that supports educational and technological growth for UCP students and faculty through joint initiatives and resource sharing.

		<p>Bearing Co., LTD, China</p> <p>Mr. Mark Linqing Niushang Bearing Co., LTD, China</p> <p>Mr. Sahir Mushtaq, Member Steering Committee, UCP</p> <p>Dr. Hadia Awan, Dean FOL-UCP</p> <p>Dir. ORIC, ORIC-UCP</p> <p>Ms. Nagina Rafiq, ORIC- UCP</p>		
8.	<p>UCP (FOST) Meeting on Research Collaboration with Fruits of sustainability (Pvt) Ltd.</p>	<p>Mr. Sarim Mehmood (Fruits of Sustainability)</p> <p>Yaser Awan, Director Innovation-UCP</p> <p>Mr. Salheen Bakhet (Siliconic Pro International, Euro Petroleum)</p> <p>Director ORIC- UCP (Secretary Steering Committee)</p> <p>Ms. Nagina Rafiq (ORIC)</p>	<p>October 31, 2024</p>	<p>Dir. ORIC highlighted the Importance of Industry Academia Linkages. The aim of the meeting was to strengthen interaction and research collaboration between the UCP Faculty and Fruits of sustainability.</p>

➤ **UCP-ORIC Meeting with TTI Labs. Pvt. Ltd HR Team (September 10, 2024)**

Sr. No.	Notable Initiatives	Action
1	Discussion on Faculty Industry Placement Program	Focal Person: Mr. Muhammad Adnan
2	Collaboration opportunities with TTI Labs	Explore potential joint ventures
3	Research funding and support	Identify funding sources and grants
4	Technology transfer and commercialization	Develop strategies for market entry
5	Training and capacity building	Plan workshops and training sessions
6	Faculty industry placement	Establish partnerships for faculty placements in industry

➤ **UCP (ORIC) Meeting with Mr. Zheng Xuechen (GM) (October 28, 2024)**

Sr. No.	Notable Initiatives	Action
1	Introduction of Linqing Niushang Bearing Co., Ltd.	Mr. Zheng Xuechen (GM) introduced the company, highlighting its specialization in high-quality bearings for various industrial applications.
2	Exploring Internship Opportunities	The Chinese company proposed internship programs for UCP students in fields such as IT and electrical engineering.

3	Collaboration on Automobile Parts	The company expressed interest in offering automobile parts, particularly brands such as Shinghan, Depal, and Hawal, for collaboration.
4	Research Collaboration Opportunities	Discussion on potential research collaboration opportunities between UCP and the Chinese company.
5	Possible MoU and R&D Partnership	The Chinese company offered to formalize R&D collaboration through an MoU and invited UCP representatives to visit China in March 2025 to further discuss partnership opportunities.

➤ UCP (FOST) Meeting on Research Collaboration with Fruits of Sustainability (Pvt) Ltd. (October 31, 2024)

Sr. No.	Notable Initiatives	Action
1	Introduction of Fruits of Sustainability (Pvt) Ltd.	Introduction of the company and its Hotline, which ensures compliance with various international guidelines and laws on business and human rights.
2	Discussion on Mutual Areas for Collaboration	Mr. Sarim requested UCP to provide at least five students from FOST for training and potential employment. Dr. Hammad welcomed the arrangement of Fruit of Sustainability (SMC-Private) Limited's FOS conferences at UCP.

➤ ORIC-UCP meeting with PEMA (Pakistan Ethanol Manufacturing Association) (August 21, 2024)

Sr. No	Notable Initiatives	Action
1	Discussion of Ethanol Production and Sustainability	Explore sustainable practices and technologies for ethanol production
2	Collaboration opportunities with PEMA	Identify potential joint ventures and collaborative research projects

3	Research funding and support	Secure funding sources and grants to support research initiatives in ethanol production
4	Technology transfer and commercialization	Develop strategies for the commercialization of research outcomes and technology transfer to the ethanol industry
5	Training and capacity building	Plan and organize workshops, training sessions, and capacity-building programs for faculty and students
6	Faculty industry placement	Establish partnerships for faculty placements in the ethanol industry

**➤ ORIC-UCP meeting with Dr. Naveed Ashraf, SRC (Shafi Reso Chemicals)
(October 21, 2024)**

Sr. No.	Notable Initiatives	Action
1	Discussion of Chemical Research and Development	Explore innovative solutions and advancements in chemical research
2	Collaboration opportunities with SRC	Identify potential joint ventures and collaborative research projects
3	Research funding and support	Secure funding sources and grants to support ongoing and future research initiatives
4	Technology transfer and commercialization	Develop strategies for the commercialization of research outcomes and technology transfer to the chemical industry
5	Training and capacity building	Plan and organize workshops, training sessions, and capacity-building programs for faculty and students
6	Faculty industry placement	Establish partnerships for faculty placements in the chemical industry

**➤ UCP-ORIC Meeting on Commercialization of Products and Facilitation
regarding Lab Equipment (October 12, 2024)**

Sr. No	Notable Initiatives	Action
1	Discussion on Commercialization of Products	Develop strategies for the commercialization of research outcomes and products
2	Facilitation regarding Lab Equipment	Identify and secure necessary lab equipment to support research and development activities
3	Collaboration opportunities with Industry	Explore potential joint ventures and collaborative research projects with industry partners

Collaborative Industry List (FIPP) Industry Academia Linkages

Shrooq Pharmaceutical (Pvt.) Ltd	Advanced Electro Services	Cybersoft North America Inc Lahore Office	Lahore Art Council	Lahore Art Council	KPMG
Lahore Chemical & Pharmaceutical Works	Saasa Corporation (Pvt.) Ltd.	Phaedra Solutions	Unique Engineering Works	Mak Legal Corporate Services	Akhuwat Foundation
CCL Pharmaceuticals	Maawa Architects	Elite Techlogix	Bata Pakistan Ltd	Tmt Law Services	Ahsan Legal Services,
Frontier Dextrose Limited	Farooqs	Onyxtec	Service Group	Ailia Trademark & Patent Services	The Legal Mentors
Hansel Pharmaceutical Pvt Ltd	Descon Engineering	APP Genni	Mindbridge	Ali & Associates	IPO, Pakistan
Venus Pharma	Mughal Iron & Steel Industries	Dunya News	Borjan Head Office	Advanced Electro Services	Alipa (Abeed Legal & Ip Attorneys)
Schazoo Pharmaceutical Laboratories	NESPAK	Brandzila (Pvt) Ltd.	Stylo Head Office	Nusk Associates	Alluvial Ip
Popular Chemicals, Shekhupura	MEP Solutions	92 News HD	Food Panda Head Office	Saasa Corporation (Pvt.) Ltd.	Barak Ip

PIEDMC (Punjab Industrial Estate Development and Management Company)	Punjab Institute of Language, Art & Culture (PILAC)	Cybersoft North America Inc Lahore Office	Lahore News HD	Aaj News HD	Best & Swift Ip Services
Packages Company Pvt. Ltd	Alliance Francaise Lahore	Shezan International Ltd.	DG Public Relations Office	The Social Cubes	Mitchell's Fruit Farms Ltd.
BioSorin (PVT) Ltd	KPMG	Cure MD	Fountain house	ZAPTA Technologies	Developers Studio
Biomedics Pharmaceutica	Advanced Electro Services	Confiz	Child Care Foundation of Pakistan	South Asian Free Media Association (SAFMA)	Nestlé Pakistan Ltd.
Bristol Mayer Biotech Pakistan (Pvt.) Ltd	Techverx	Innovative Computers (pvt) Ltd.	Health and Education Foundation	Wasil Foundation	Engro Foods Ltd.
Ferozsons Laboratories					

6.10 Number of Research Projects translated into Marketable Products and Start-ups.

Sr. No.	Title	Industry	Faculty Member's Name	Date
1	Design of Jominy End Quenching Apparatus for measuring the Hardenability of Steel.	Infinity Engineering	Engr. Sr. Qasim Shafqat Goraya Lecturer, ME-UCP	26-06-2023

2	Design of Jominy End Quenching Apparatus for measuring the Hardenability of Steel.	Millat Equipment	Engr. Qasim Shafqat Goraya Sr. Lecturer, ME-UCP	26-06-2023
3	Shampoo Manufacturing	Pollux pure (Pvt). Ltd	Prof. Dr. Muhammad Akhyar Farrukh	Dec, 2023
4	Anti-Bacterial Hand Wash Manufacturing	Pollux pure (Pvt). Ltd	Prof. Dr. Muhammad Akhyar Farrukh	Dec, 2023
5	Dish wash Manufacturing	Pollux pure (Pvt). Ltd	Prof. Dr. Muhammad Akhyar Farrukh	Dec, 2023
6	Manufacturing of Moisturizing Lotion	Pollux pure (Pvt). Ltd	Prof. Dr. Muhammad Akhyar Farrukh	Dec, 2023

Successful Startups from University of Central Punjab (UCP)

1. NOOKS.PK (Book bedspace now)

Takhleeq Business Incubator, an initiative by the University of Central Punjab (UCP), serves as a dynamic platform that empowers aspiring entrepreneurs to transform their ideas into sustainable businesses. It offers mentorship, workspace, seed funding opportunities, and training to early-stage startups, with a focus on innovation, scalability, and social impact.

Featured Startup: Nooks.pk

Nooks.pk is one of the successful startups incubated at UCP Takhleeq. It is a tech-enabled platform that provides affordable and flexible co-living and rental solutions for students and young professionals in Pakistan. By simplifying the search for shared accommodation, Nooks.pk addresses a critical urban housing challenge while promoting safe and community-based living spaces.

2. DawaAsaan

- Industry: Health Tech / Pharmacy Delivery
- Overview: A digital pharmacy startup providing online medicine ordering and doorstep delivery with verified prescriptions.

• **Highlights:**

- Incubated at UCP's Business Incubation Center (BIC)
- Partnered with local pharmacies and healthcare providers
- Featured in startup expos and health innovation competitions

3. LoadUp

Industry: Logistics & Transport

Overview: A smart logistics platform that connects users with cargo and delivery vehicles in real-time using mobile and web apps.

- **Highlights:**

- Won funding under UCP Startup Challenge
- Developed by a team of Computer Science and Business students
- Piloted operations in Lahore with strong growth potential

4. Style Mate

- Industry: E-commerce / Fashion Tech
- Overview: AI-powered fashion recommendation app for personalized outfit suggestions and online wardrobe management.

- **Highlights:**

- Selected in Plan9 – PITB Incubator
- Co-founded by UCP students from Business and IT faculties
- Partnered with local fashion brands and influencers

5. Greenovate Solutions

- Industry: CleanTech / Sustainability
- Overview: Offers low-cost, solar-powered waste management solutions and eco-friendly smart bins for urban areas.

- **Highlights:**

- Recognized by Punjab Clean Tech Forum
- Seed funding received through UCP Innovation Grant
- Collaboration with Engineering and Environmental Science departments

6. EduOnGo

- Industry: EdTech
- Overview: A learning platform that delivers interactive content, live classes, and AI-based progress tracking for students from Grade 5 to 12.

- **Highlights:**

- Gained attention during COVID-19 for remote learning tools
- Partnered with private schools in Punjab
- Scalable model for national rollout

Support Ecosystem at UCP

- Startup Bootcamps & Hackathons: Frequent events to ideate and pitch.
- Industry Linkages: MoUs with local and international firms for product testing and scale-up.
- Faculty Mentorship: Professors from Business, IT, and Engineering support innovation and commercialization.

6.11 Outcomes of Industry Engagement and Collaborative Research

UCP-ORIC amplifies the impact of future placements and strengthens academia-industry collaboration.

- i. UCP researchers, in collaboration with ORIC, must concentrate on applied research
- ii. to meet local industry needs.
- iii. Enhance collaboration with the relevant industry to secure funding from the industry and also offer students internships.
- iv. Encourage interdisciplinary projects that involve faculty from different departments working together with industry partners.
- v. More interactive sessions, i.e., seminars/workshops/webinars, especially by inviting senior leadership of industry to UCP, should be promoted.
- vi. Industry-Academia Partnerships and Collaboration is imperative for research proposals/grants for HEC, including Technology Development Fund (TDF), Rapid Technology Transfer Grant (RTTG), Local Challenge Fund (LCF), Technology Transfer Support Fund (TTSF), Innovative & Collaborative Research Grant (ICRG), and others.
- vii. Establishing external linkages (Industry-Academia Partnerships) and collaboration for research funding through FIPP from Industry.
- viii. Encourage faculty and industry partners to maintain long-term relationships beyond the placement period.
- ix. Encourage faculty to develop case studies and consultancies based on their industry experiences.

Outcomes of Industry Engagement and Collaborative Research for UCP

1. Enhanced Research Opportunities

- Access to real-world problems and data.
- Funding support for applied and translational research.

- Accelerated innovation and commercialization of research outputs.

2. Improved Student Employability & Internships

- Internships, co-op programs, and work placements.
- Industry-led workshops, mentorships, and guest lectures.
- Curriculum development aligned with industry needs.
- Job placement pipelines and increased graduate employment rates.

3. Curriculum Relevance and Innovation

- Input from industry to keep curriculum up to date.
- Development of new programs, certifications, or micro-credentials.
- Use of case studies and projects based on current industry challenges.

4. Access to Resources and Infrastructure

- Shared use of equipment, labs, and facilities.
- Technology transfer and access to proprietary tools or platforms.
- Co-investment in research infrastructure.

5. Commercialization and Entrepreneurship

- Support for university spin-offs and start-ups.
- Joint ventures in product development and IP licensing.
- Accelerated pathways from lab to market.

6. Reputation and Rankings

- Strengthened institutional reputation for impact-driven research.
- Improved global and national rankings tied to industry partnerships.
- Enhanced attraction of top talent (students, researchers, faculty).

6.12 ORIC Recommendations

ORIC's main objective regarding FIPP is to encourage Deans and Faculty members to spearhead research initiatives/projects through Final Year Projects (FYPs), M.Phil., and Ph.D. thesis. This strategy aims to bridge the gap by delivering relevant research outcomes directly to industries, addressing a missing link in our efforts. We believe this will strengthen our industry connections and secure funding for UCP. ORIC several recommendations to amplify the impact of future placements and strengthen academia-industry collaboration are as under:

- i.** UCP researchers in collaboration with ORIC must concentrate on applied research in order to meet local industry needs.
- ii.** Enhance collaboration with relevant industry to secure funding from industry with the help and facilitation of ORIC.
- iii.** Encourage interdisciplinary projects that involve faculty from different departments working together with industry partners. This can lead to innovative solutions and a broader application of academic expertise.
- iv.** More interactive sessions i.e., seminars/workshops/webinars specially by inviting senior leadership of industry to UCP should be promoted.
- v.** Increase industrial visits of FMs and post graduate students of UCP to industry on regular basis with the help of ORIC.
- vi.** FMs and post graduate students need to prepare research proposal/grants applied in nature as per requirement of industry, identified through FIPP.
- vii.** Industry-Academia Partnerships and Collaboration is imperative for research proposals/grants for HEC including Technology Development Fund (TDF), Rapid Technology Transfer Grant (RTTG), Local Challenge Fund (LCF), Technology Transfer Support Fund (TTSF), Innovative & Collaborative Research Grant (ICRG) and others.
- viii.** Establishing external linkages (Industry-Academia Partnerships) and collaboration for research funding through FIPP from Industry.
- ix.** FIPP will allow academia to better match its faculty members' capabilities with local industry, society and country needs.
- x.** As industries evolve, future placements should focus on cutting-edge sectors like artificial intelligence, Deep learning, Robotics, Cloud computing, renewable energy, nanotechnology, biotechnology and Generative AI, ensuring that faculty are working on the most relevant and high-impact challenges.
- xi.** Establish a system to track and evaluate the impact of the Faculty Industry Placement Program on both the faculty's professional development and the industry's problem-solving needs.

- xii.** Encourage faculty and industry partners to maintain long-term relationships beyond the placement period.
- xiii.** Encourage faculty to develop case studies and consultancies based on their industry experiences. These case studies and consultancies can be used as teaching tools and shared with other faculty members to enhance learning.
- xiv.** Explore opportunities for international placements to expose faculty to global industry practices and trends. This can enhance their understanding of international markets and foster global collaborations.

These recommendations aim to continue and solidify the Faculty Industry Placement Program as a cornerstone of ORIC’s efforts to foster innovation, promote economic development, and ensure that UCP faculty and students are aligned with industry research trends and challenges.

Takhleeq Business Start-ups
Cohorts Run 09
Start-ups incubated 06
Events conducted 13

CHAPTER

7

CAPACITY BUILDING, WORKSHOPS & EVENTS ORGANIZED BY ORIC



CHAPTER

7

*Capacity Building Workshops &**Events Organized by ORIC*

Capacity building and faculty development are essential for strengthening academic and research excellence. ORIC plays a vital role in enhancing faculty capabilities through continuous professional development, technical training, and research skill enhancement.

Key initiatives include workshops, seminars, grant-writing sessions, mentorship programs, and collaborative research opportunities—equipping faculty with the tools needed for impactful teaching, innovation, and global research engagement.

7.1 Workshop on Intellectual Property (IPs)

The Office of Research, Innovation and Commercialization (ORIC) of UCP organized a workshop on Intellectual Property Rights (IPRs), Basic Concepts with Application Procedure.

The objective of this workshop was to raise awareness and guide participants through the procedures for filing applications for patents, copyrights, trademarks, and other intellectual property rights. It offered valuable insights to faculty members, particularly from Engineering and IT, as well as researchers in the Social Sciences, helping them better understand and navigate the realm of intellectual property rights

Sr. No.	Topic	Date	Time
1.	IPs Basic Concepts with Application Procedure	7 th August 2024	2:00 – 4:00 pm
2.	IPs- Basic Concepts (Mphil/PhD) Students/FMs (Panel Discussion)	7 th August 2024	2:00 – 4:00 pm
3.	Introduction to Design and Application Procedure	13 th August 2024	2:00 – 4:00 pm
4.	Introduction to Copyrights and Application Procedure	21st August 2024	3:30 – 5:00 pm

5.	Introduction to Patent Systems in Pakistan and Filing Guidelines	28-Aug-24	2:00 – 4:00 pm
6.	Patent Drafting Techniques	4th September 2024	2:00 – 4:00 pm
7.	Ips Workshop on Exercise for Drafting Techniques	11th September 2024	2:00 – 4:00 pm



7.2 Research Proposals & Grants (RPGs) Workshop (5th -6th September, 2024)

The Office of Research, Innovation and Commercialization (ORIC) of UCP organized Research proposals and grants workshops designed to help researchers develop the skills and knowledge needed to successfully secure funding for their research.

Objectives:

- ❖ Understanding Research Funding Opportunities.
- ❖ Developing Effective Research Proposals.
- ❖ Understanding the Review Process
- ❖ Improving Proposal Resubmission.
- ❖ Grant Writing Techniques

RESEARCH PROPOSALS & GRANTS-CHALLENGES AND OPPORTUNITIES (Program)				
Slots	Resource Person	Topic	Time	Date & Day
Day-1	Dr. Shahid Raza (Director ORIC-UCP)	Research Proposals & Grants (RP&G)- Brief Introduction	10:00-10:30 am	5th September, 2024 (Thursday)
	Dr. Hammad Naveed (Pro-Rector, UCP)	Research Proposals & Grants (RP&G)- Practical Tips	10:30-11:30 am	
	Prof. Dr. Muhammad Akhyar Farrukh (Professor of Chemistry, UCP)	Research Proposals & Grants (RP & G)- Basic Techniques and Winning Strategy	10:30 am -12:30 pm	
Day-2	Dr. Shahid Raza (Director ORIC-UCP)	Research Proposals & Grants (RP &G)- Brief Introduction	10:00-10:30 AM	6th September, 2024 (Friday)
	Prof. Dr. Muhammad Akhyar Farrukh (Professor of Chemistry, UCP)	RPG And Commercialization (Industry)	10:30 AM-12:00 PM	
		Concluding Ceremony	12:00-12:30 PM	



7.3 PERIDOT Grant Session Phase-11 (26th August, 2024)

The PERIDOT Research Program, a Franco-Pakistani initiative under the Hubert Curien Partnership (PHC), aims to foster scientific and technological cooperation between Pakistan and France. Specifically, Phase 11 of the program focuses on promoting joint research projects between higher education institutions and research laboratories in both countries.

Objectives:

- ❖ Enhancing collaboration in key areas such as Sustainable Energy, Environment, and Climate Change.
- ❖ Supporting advancements in Agriculture, Food Security, and Health.
- ❖ Encouraging research in Entrepreneurship, Humanities, and Social Sciences.



7.4 FIPP-Panel Discussion/Interactive session-challenges, opportunities and way forward (26th September, 2024)

The Faculty Industry Placement Program (FIPP) is designed to strengthen the linkages between academic institutions and the industry by providing faculty members with hands-on experience in industrial settings.

Objectives:

- ❖ Faculty members enhances their understanding of practical applications related to their field of expertise.
- ❖ The program encourages partnerships between universities and industries, promoting joint research, development projects, and innovation initiatives.



- ❖ The program benefits both academia and industry by promoting innovation and ensuring that academic training.

7.5 Commercial Impact of Research Thesis and Industry Linkages (29 October, 2024)

This initiative was a testament to our unwavering commitment to bridging the gap between academic research and industry needs, as envisioned by our esteemed Pro-Rector. The goal of this workshop was to harness the potential of student research theses, transforming them into commercially viable projects that could significantly impact various industries.

Purpose:

The primary purpose of this workshop was to:

- **Identify Commercial Potential:** Evaluate student research theses to identify those with strong potential for commercialization.
- **Industry Engagement:** Facilitate connections between academia and industry to explore and enhance the commercial impact of research outcomes.
- **Promote Collaboration:** Foster a collaborative environment where faculty and industry professionals could work together to bring innovative research to market.
- **Refine Viability:** Utilize tools like ChatGPT to refine and enhance the commercial viability of research projects.
- **Achieve Faculty Targets:** Align with the targets set in our faculty meetings by promoting research with strong commercialization prospects.



7.6 Registering UCP Research Journals with DOIs (CrossRef): account opening and processing (16 December, 2024)

Registering UCP (University of Central Punjab) Research Journals with DOIs through CrossRef involves a structured process that includes creating a membership account, setting up DOI registration, and integrating DOI management into your journal publishing workflow.

UCP Seven Research Journals has been assigned DOIs

7.7 Analysis of workshops

Year	Workshop/Session Title	Key Focus Areas	Estimated Participants
2022	Intellectual Property and Research Development Awareness Workshops	Research innovation and protection, indirectly supporting research proposal design	50+
2023	Awareness Session on Research Grants	Introduction to research funding mechanisms and proposal preparation basics	60–70

2024	Awareness Session on Research Grants	Advanced funding strategies and insights into proposal alignment with funding agency priorities	70–80
2025	Awareness Session on Research Grants (January 2025)	Research Proposals & Grants – techniques, success stories, and proposal submission strategies	80–100
2025	Workshop on Research Proposals & Grants: Challenges and Opportunities	Full-cycle grant writing training – from concept note to proposal submission	40–50
2025	Two-Day Workshop on RP & Gs (Planned: August/September 2025)	Practical training on proposal writing, industry linkages, applied research, budgeting, and evaluation	70–80

7.8 Expo Events facilitated by ORIC

The Office of Research, Innovation, and Commercialization (ORIC) at the University of Central Punjab (UCP) has planned several visits in 2024 for UCP students to various events at the Expo Centre Lahore. These visits aim to provide students with valuable exposure to industry trends, networking opportunities, and practical insights into their fields of study.

Purpose of the Visits

- **Educational Exposure:** To enhance students' understanding of industry practices and innovations.
- **Networking Opportunities:** To connect students with professionals, experts, and potential employers.
- **Practical Insights:** To provide real-world examples and applications of theoretical knowledge.
- **Activities:** Visiting exhibition booths, attending seminars, and networking with industry professionals.

Benefits for Students

- **Knowledge Enhancement:** Gaining insights into the latest industry trends and technologies.

- **Skill Development:** Learning practical skills through hands-on activities and workshops.
- **Career Opportunities:** Identifying potential career paths and internship opportunities.
- **Professional Growth:** Building a professional network and learning from industry experts.

Expected Outcomes

- **Enhanced Learning:** Students return with a deeper understanding of their fields and practical knowledge.
- **Increased Motivation:** Exposure to industry leaders and innovations inspire students to pursue their career goals.
- **Stronger Connections:** Networking opportunities help students build relationships with professionals and peers.

These visits are part of ORIC UCP's commitment to providing students with comprehensive educational experiences beyond the classroom. By participating in these events, students are prepared for their future careers and equipped with the knowledge and skills needed to succeed in their respective fields.

7.8.1 International Dairy Expo-IDEX 2024

INTERNATIONAL DAIRY EXPO - IDEX

Dates: 22 – 23 January, 2024 (Monday-Tuesday)

Venue: Expo Center Lahore, Pakistan - Hall 2

Timings: 10:00 AM – 06:00 PM



Purpose	<ul style="list-style-type: none"> - Student's Exposure and Strengthening Industry Academia Linkage -Innovation in dairy technology -Industry promotion and marketing -Networking and collaboration -Market expansion and trade promotion -Education and knowledge sharing - Sustainability and environmental awareness
Number of Attendees	29 Students, 1 Faculty Member, 1 ORIC Staff
Faculty	FOST & ORIC
Faculty Members	<ul style="list-style-type: none"> -Mr. Zahid Bashir (FOST) - Adeel Ahmad (Manager Journal and Conferences, ORIC)
Participants	29 students (detailed list provided in the report)
Executive Summary	The expo showcased the latest technology, equipment, and machinery in the dairy industry, providing a platform for investors to meet potential business partners and gain insights into the regional dairy industry.
Dairy Business in Pakistan	Pakistan has a large population of dairy animals but low milk yield per cow. The expo aims to bridge the gap between milk demand and supply through technology and investment.
Objectives	<ul style="list-style-type: none"> -Unify key stakeholders -Help Pakistani companies find buyers and suppliers -Foster international collaboration -Support dairy and livestock sectors - Provide a platform for business deals
Organizer Description	Inbox Pakistan focuses on exhibitions, media productions, digital marketing, advertising, brand development, and print media designing.

Special Stall	<p>**Aloe Ginger Cust Stall by FOST UCP**</p> <ul style="list-style-type: none"> -Supervised by Dr. Kanza Aziz Awan - Showcased innovative Aloe Ginger biscuits with health benefits
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7.8.2 9th Pakistan Mega Leather Show 2024

9th PAKISTAN MEGA LEATHER SHOW 2024

Dates: 26 – 28 January, 2024 (Friday, Saturday, Sunday)

Venue: Expo Center Lahore, Pakistan - Hall 2

Timings: 10:00 AM – 06:00 PM

Purpose	<ul style="list-style-type: none"> -Student's Exposure and Strengthening Industry Academia Linkage -Industry Promotion and Marketing -Technology and Innovation Showcase - Promotion of Sustainability and Responsible Practices - Education and Information Exchange
Number of Attendees	14 Students, 1 Faculty Member, 1 ORIC Staff
Faculty	FOST & ORIC



Faculty Members	<p>-Dr. Mohsin Gilzar (FOST)</p> <p>-Adeel Ahmad (Manager Journal and Conferences, ORIC)</p>
Participants	<ol style="list-style-type: none"> 1. Wasif Hussain (L1S22MSMR0012) 2. Muqadas Younas (L1F22MSMR0007) 3. Hiba Ashfaq (L1F22MSMR0017) 4. Khizra Sarwar (L1S20BSMR0019) 5. Zameer Shahid (L1S20BSMR0013) 6. Zayyad Anwar (L1F22MSBC0008) 7. Farzeen Abid (L1S20BSBC0008) 8. Sameen Gull (L1S20BSBC0003) 9. Samavia Tallat (L1S20BSBC0002) 10. Hooria Tahir (L1S20BSBC0006) 11. Haider (L1S20BSBC0009) 12. Awais (L1S20BSBC0001) 13. Imran (L1S19BSBC0021) 14. Hira (L1F19BSBC0020)
Summary	<p>The leather industry of Pakistan is the second biggest export-oriented industry in the manufacturing sector and third in its contribution towards overall exports. The show aimed to showcase leather products and attract international customers.</p>
Objectives	<ul style="list-style-type: none"> - Portray and improve the positive image of Pakistan - Motivate leather business entrepreneurs - Attract international customers - Educate industry about new developments - Build relationships and generate sales leads
Organizer Description	<p>The Pakistan Mega Leather Show was set to showcase the largest collection of leather products ever, with support from government bodies and policymakers.</p>

7.8.3 Future Fest

Future Fest

Dates: 26 – 28 January, 2024 (Friday, Saturday, Sunday)
Venue: Expo Center Lahore, Pakistan - Hall 2
Timings: 10:00 AM – 06:00 PM



Purpose	<p>To inspire, educate our students about the exciting possibilities and challenges in our rapidly evolving world.</p> <ul style="list-style-type: none"> - Showcase cutting-edge technologies, innovations, and ideas shaping the future across various industries. - Serve as a platform for companies, researchers, and entrepreneurs to exhibit their latest developments and projects. - Facilitate networking opportunities for professionals and enthusiasts.
Future Fest Summary	<p>Future Fest Pakistan, formerly known as Zindigi Future Fest, is the annual science and technology festival founded by Arzish Azam in 2022. It showcases advancements, innovations, and trends across various industries, bringing together companies, startups, researchers, and professionals. It is Pakistan's largest tech event, offering education, networking, and inspiration. Investors have access to exclusive lounges and networking sessions.</p>
Event's Organizer	<p>Arzish Azam, CEO, Ejad Labs & Founder of Future Fest. During his keynote at Future Fest 2024, he discussed visionary leadership, overcoming challenges, youth engagement, digital economy potential, educational opportunities, and global connectivity.</p>

7.8.4 37th Lahore International Book Fair (LIBF) 2024

37th Lahore International Book Fair (LIBF) 2024
Dates: 1 – 5 February, 2024 (Thursday -Monday)
Venue: Expo Center Lahore, Pakistan - Hall 2
Timings: 10:00 AM – 10:00 PM



Purpose of Event	To celebrate literature and the publishing industry by bringing together publishers, authors, agents, distributors, and readers from around the world.
Purpose Details	<ul style="list-style-type: none"> -Promotion of Literature -Cultural Exchange -Networking Opportunities -Education and Innovation - Market Expansion
Executive Summary	<p>The Lahore International Book Fair (LIBF) is an annual event that celebrates literature, engages with renowned authors, and explores the magic of storytelling. It brings together writers, publishers, and book lovers from around the globe, offering a unique opportunity to immerse in diverse literary traditions. The event includes panel discussions, book signings, and literary-themed performances. About 35 book fairs, 300+ participants, 300,000+ visits, and 100,000+ books were exhibited.</p>
Mission	<ul style="list-style-type: none"> - Promote reading habits in Pakistan through book fairs and educational exhibitions - Award scholarships and grants to needy students

	<ul style="list-style-type: none"> - Provide financial help to poor students and educational institutions - Establish new libraries and reading rooms - Publish affordable books for the book trade or student body of Pakistan
Event's Organizer	The LIBF Trust, set up in 2006 by Zubair Saeed, Najam Sethi, Saleem Malik, and Mohammad Faisal, aims to promote book publishing, selling, and reading in Pakistan. It organizes book fairs and exhibitions, helps trade bodies interact with the government, and fights against piracy and copyright infringement.

7.8.5 16th Pak Pharma & Healthcare Expo

16th Pak Pharma & Healthcare Expo

Dates: 21 – 22 February, 2024 (Wednesday - Thursday)

Venue: Expo Center Lahore, Pakistan - Hall 2

Timings: 10:00 AM – 06:00 PM



Purpose of Event	Pak Pharma and Health Expo serves as a comprehensive platform for fostering collaboration, promoting innovation, and advancing the pharmaceutical and healthcare sectors in Pakistan and beyond.
Purpose Details	<ul style="list-style-type: none"> - It provides a platform for professionals to network, exchange ideas, and establish partnerships within the industry. - Companies can showcase their latest pharmaceutical products, medical devices, healthcare services.
	<ul style="list-style-type: none"> - The expo may highlight innovations in pharmaceutical research, healthcare delivery, and medical technology, fostering innovation within the industry.

Objectives of the Exhibition	<ul style="list-style-type: none"> - Serve as a source of providing business opportunities to the various stakeholders in Pharmaceutical Industry of Pakistan. - Coordinate to generate a conducive business environment to facilitate sales promotion and presentation, technical discussions, business negotiations, contract signing. - Assist foreign companies to participate in the modernization of pharmaceutical industry in Pakistan. - Serve as a knowledge sharing forum and impart technical know-how for Pharmaceutical Industry.
Business Opportunities	<ul style="list-style-type: none"> - Show casing for Products and Services. - New product launches. - Networking opportunities. - Real feel of the market and business potential.
Event's Organizer	<p>Prime Event Management: Prime Event Management has been in business in Pakistan for the past 13 years. It has been an established and popular company with an excellent track record for the best customer satisfaction. The company never compromise on the quality and the services provided to the customer. It has an excellent staff, with their best ideas to make company stand out in the industry.</p>

7.8.6 9th Invention to Innovation Summit-2024

9th Invention to Innovation Summit – 2024

Dates: 27 – 28 February, 2024 (Tuesday - Wednesday)

Venue: Al Razi Hall, University of the Punjab, Lahore.

Timings: 09:00 AM – 04:00 PM



Purpose of Event	Accelerate the journey of inventions towards practical applications, driving economic impact and societal benefits through innovation and entrepreneurship.
Purpose Details	<ul style="list-style-type: none"> - Industry-Academia Collaboration - Entrepreneurship Development - Economic Development - Commercialization Support
Number of Attendees	3 Students, 1 Faculty Member, and 3 ORIC staff
Faculty	FOST & ORIC
Participants (FOST)	Faculty Member: Dr. Muhammad Rizwan (Lecturer) Participants: Mahnoor Shah, Rohail, Ahmad Faraz
Participants (ORIC)	Adeel Ahmad (Manager Journal & Conferences), Faiza Qayyum (Research Associate), Faiza Anum (Research Associate)
Summary	The 9th Invention to Innovation Summit, organized by Punjab University ORIC, featured 56 selected ideas for stalls, 40 oral presentations, 79 poster presentations, and 4 interactive sessions. It aimed to bridge the gap between academia and industry, promoting research and innovation. Shields and certificates were awarded to the best ideas and participants.
Event's Organizer	ORIC – University of the Punjab, Lahore: Established in March 2010 under HEC directives, ORIC manages all financed research activities and serves as a bridge between researchers and sponsors. It supports patenting, commercialization, and business plan creation, promoting an entrepreneurial culture among students.

7.8.7 Pakistan Sustainability Week 2024

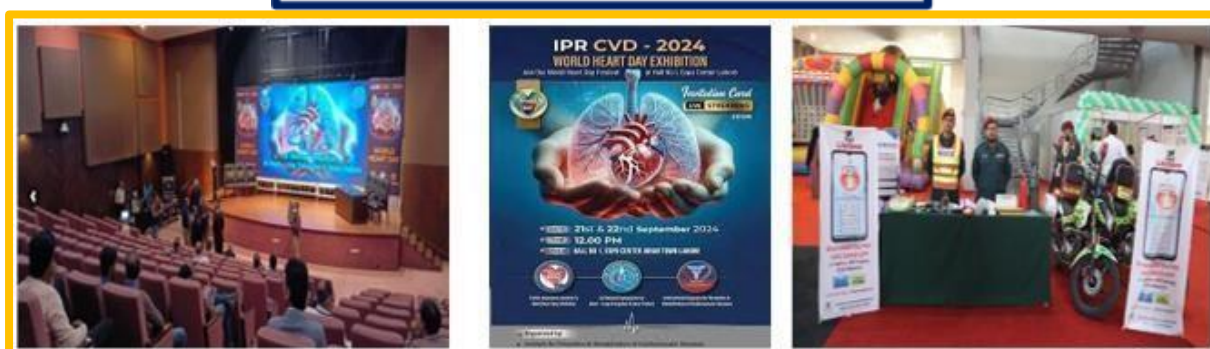
Pakistan Sustainability Week 2024
Dates: 27 – 29 February, 2024 (Tuesday - Friday)
Venue: Expo Center Lahore, Pakistan - Hall 2
Timings: 10:00 AM – 06:00 PM



Purpose	Accelerate global sustainable development in Pakistan and beyond. Highlight environmental, social, and economic issues. Foster collaboration among stakeholders.
Objectives	Increase awareness about sustainability. Encourage reduction of environmental footprint. Facilitate partnerships among stakeholders.
	Support policy changes and investments. Educate about sustainable practices and solutions.
Organizer Details	Leading exhibitions & conferences organizing company in Pakistan. Specializes in industrial & corporate trade shows.

7.8.8 Heart Festival 2024

Heart Festival, 2024
Venue: Expo Center Lahore, Pakistan - Hall 2
Timings: 09:00 AM – 05:00 PM
Event Start Date: Saturday, September 21, 2024 - 9:00 am
Event End Date: Sunday, September 22, 2024 - 17:00 pm



Purpose	The Heart Festival 2024 focused on raising awareness about heart health and promoting preventive care for cardiovascular diseases. It featured informative sessions, interactive workshops, and inspiring stories from heart disease survivors.
Informative Sessions	<ul style="list-style-type: none"> • Led by renowned cardiologists and healthcare professionals, covering prevention, diagnosis, and treatment of heart-related conditions. • Heart disease survivors shared their experiences, emphasizing early detection, medical care, and lifestyle changes. • Blood pressure checks, cholesterol tests, and heart rate monitoring provided attendees with insights into their health status.
Objectives	<p>Promote preventive care as a key strategy in reducing heart disease.</p> <p>Attendees were provided with information on managing risk factors like high blood pressure, high cholesterol, and lifestyle choices to prevent heart-related conditions. Encourage healthier lifestyles by offering practical tips on nutrition, exercise, and stress management. Through interactive workshops and sessions, participants were empowered to make positive changes in their daily habits. Provide hands-on learning through activities such as cooking demonstrations, fitness sessions, and health screenings.</p>

7.8.9 International Poultry Expo, 2024

International Poultry Expo, 2024
Venue: Expo Center Lahore, Pakistan - Hall 2
Timings: 10:00 AM – 06:00 PM
Event Start Date: Thursday, September 26, 2024 - 10:00 am
Event End Date: Saturday, September 28, 2024 - 18:00 pm



Purpose	Global platform for professionals in the poultry industry to share knowledge and showcase the latest technologies, products, and best practices in poultry farming, production, and management.
Attendees	20 attendees from Faculty of Food Science & Technology (FOST)
Event Overview	The International Poultry Expo 2024 brought together professionals, industry leaders, and innovators to explore the latest trends and advancements in the poultry industry. It featured seminars, workshops, and exhibitions on sustainable farming, innovations in poultry production, and market dynamics.
Objectives	Showcase technological advancements in poultry farming and production highlighting cutting-edge equipment, automation solutions, and advanced feed options to improve industry efficiency and productivity. Foster global networking and collaboration among industry leaders, professionals, and stakeholders to address challenges and explore new market opportunities. Support industry growth and innovation by encouraging the adoption of new technologies, sustainable practices, and efficient production methods. Enhance the knowledge and skills of attendees through educational seminars, workshops and discussions on key topics such as poultry health, feed optimization, and regulatory compliance.

Organizer Details	Pakistan Poultry Association promotes and protects poultry interests, disseminates information, supports research, and encourages youth programs in poultry work. The poultry industry is the second largest in Pakistan, contributing significantly to bridging the gap between supply and demand of meat protein.
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7.8.10 Heart & Fitness Seminar

Health & Fitness Seminar

Venue: Expo Center Lahore, Pakistan - Hall 2

Timings: 05:00 PM – 08:00 PM

Event Start Date: Saturday, October 26, 2024 - 17:00 pm

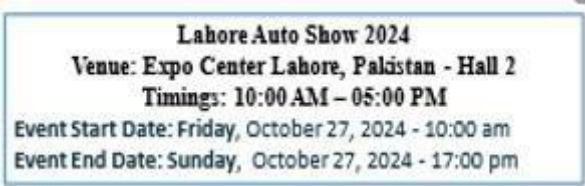
Event End Date: Saturday, October 26, 2024 - 20:00 pm



Purpose	Provide knowledge on health, wellness, and fitness, including nutrition and exercise routines. Highlight the importance of maintaining a balanced life and addressing common health issues. Inspire and motivate attendees to take charge of their health through engaging talks, success stories, and interactive activities.
Event Overview	The Health and Fitness Seminar brought together experts, fitness enthusiasts, and health professionals to explore the latest trends and strategies in wellness. It covered topics such as effective workout routines, stress management techniques, healthy eating habits, and prevention of common health issues.
Objectives	Educate and inform attendees on various aspects of health and fitness, including exercise, nutrition, and mental well-being. Promote healthy living by encouraging participants to adopt healthier habits and improve their overall well-being. Inspire motivation by showcasing success stories and offering expert guidance on overcoming challenges and staying committed to fitness. Showcase the latest fitness technologies products, and wellness trends. Provide expert guidance through opportunities for attendees to interact with top health and fitness experts, including trainers, nutritionists, and wellness coaches.

Organizer Details	PakFit is a prominent health and fitness initiative in Pakistan, dedicated to promoting a healthier lifestyle and encouraging physical activity. Offers fitness training, nutrition guidance, and wellness programs. Provides both online and in-person coaching to ensure accessibility.
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7.8.11 Lahore Auto Show, 2024



Purpose	Showcase Pakistan’s agricultural potential, promote modern farming techniques, facilitate knowledge exchange, and boost the agriculture sector’s growth and sustainability.
Objectives	Showcasing agricultural innovations to inspire modernization. Encouraging collaboration among farmers, industry experts, businesses, and policymakers. Promoting investment opportunities in Pakistan's agricultural sector. Supporting sustainable farming practices for long-term productivity. Enhancing farmer education through training and resources. Boosting agricultural exports by showcasing Pakistan’s products and capabilities.

Organizer Details	EVENTEX is an organization dedicated to promoting products and technologies in the chemical & allied industry through specialized exhibitions. Aims to be the most innovative player in the events organizing industry, facilitating development of local markets and industries.
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7.8.12 Pakistan Auto Show, 2024

Pakistan Auto Show 2024 Venue: Expo Center Lahore, Pakistan - Hall 2 Timings: 10:00 AM – 07:00 PM Event Start Date: Friday, October 25, 2024 - 10:00 am Event End Date: Sunday, October 27, 2024 - 19:00 pm
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Purpose	Promote local manufacturers, encourage innovation, and facilitate networking.
Objectives	Showcase Pakistan’s automotive industry by highlighting the latest innovations, vehicles, and technologies. Promote local manufacturing by providing a platform for Pakistani manufacturers to display their capabilities. Encourage knowledge exchange and innovation by facilitating the sharing of advancements and expertise. Facilitate networking and partnerships to foster collaboration and create business opportunities. Support economic development by stimulating the auto industry and encouraging job creation.

Organizer Details	PAAPAM is an advocacy group linking policy-makers and the automotive parts manufacturing industry. It supports local manufacturing, encourages international quality standards, and promotes the adoption of modern technology.
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7.8.13 Pakistan Agro Show

PAKISTAN AGRO SHOW

Event Start Date
Thursday, November 14, 2024 - 10:00

Event End Date
Saturday, November 16, 2024 - 18:00



Purpose	Showcase Pakistan’s agricultural potential, promote modern farming techniques, facilitate knowledge exchange, and boost growth and sustainability in the agriculture sector.
Objectives	Highlight advancements in agricultural technology, machinery, and practices to inspire innovation and modernization in the sector.
Event Detail	The Pakistan Agro Show successfully brought together stakeholders from across the industry to showcase innovations, exchange ideas, and foster collaborations. The event featured exhibits of state-of-the-art farming equipment, advanced irrigation systems, high-yield seeds, and eco-friendly pest control solutions. Workshops and panel discussions addressed pressing issues such as climate change, water scarcity, and soil degradation. The show emphasized the importance of government support, youth engagement, and sustainable practices in agriculture.

7.8.14 8th Pakistan Industrial Expo 2024

8th Pakistan Industrial Expo 2024 (Hall # 2 & 3)

Event Start Date

Saturday, November 9, 2024- 09:00

Event End Date



Monday, November 11, 2024 18:00



Purpose	Create opportunities for networking, enhance trade relations, and attract investments to strengthen Pakistan’s industrial sector.
Objectives	<ul style="list-style-type: none">• Display cutting-edge industrial technologies and solutions to promote innovation and modernization in the sector.• Provide a platform for local and international businesses to connect, explore partnerships, and expand trade opportunities.
Event Detail	The 8th Pakistan Industrial Expo 2024 served as a pivotal platform for advancing industrial innovation and collaboration. Held with the vision of strengthening Pakistan's industrial sector, the event brought together a diverse array of local and international participants, including manufacturers, suppliers, policymakers, and industry leaders. Its purpose was to foster business growth, promote technological advancements, and create avenues for sustainable development within various industrial domains.

7.8.15 Beats and Eats Family Festival

Beats N Eats Family Festival
Event Start Date
Friday, December 6, 2024 - 12:00
Event End Date
Sunday, December 8, 2024 - 23:30

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Purpose	The Beats N Eats Family Festival is a community event featuring live music, diverse food vendors, and family-friendly activities.
Objectives	<ul style="list-style-type: none">The festival aimed to highlight and celebrate the rich diversity and creativity of the local community through music, food, and art. By featuring local artists and vendors, it showcased the unique cultural identity of the region.To bring people together in a shared space to foster connections and strengthen community bonds.
Event Detail	The Beats N Eats Family Festival was a vibrant community event that brought people together for a day of music, food, and family-friendly entertainment. Held in a lively outdoor setting, the festival was designed to celebrate local culture, foster connections, and provide a platform for small businesses to showcase their offerings. It successfully created an engaging atmosphere that catered to individuals of all ages, leaving attendees with lasting memories of joy and togetherness.

7.9 Calendar 2024

Sr. No.	Event	Faculty	2024 Q3			2024 Q4			2024 Q1		
			Jan	Feb	March	April	May	June	July	Aug	Sep
1.	Pak Pharma & Healthcare Expo	FOPS	20-22								
2.	10TH PAKISTAN MEGA LEATHER SHOW 2025	FOST, FOMS	26-28								
3.	38th Lahore International Book Fair 2025	All Faculties		05-09							
4.	Systems Limited	FOITCS		11							
5.	East Rice Company	FOITCS		27							
6.	DAIRY ASIA EXPO	FOST		14-15							
7.	Pakistan Sustainability Week (PSW)	FOE		21-23							
8.	10th Pakistan Footwear, Material & Machinery Show	FOMS, FOST				11-13					
9.	Pakistan Chemical Forum (Pakistan Coating Show/Polyurethane Pakistan/Pakchemexpo/Pak Lab	FOMS, FOST				24-26					
10.	NETSOL					9					

11.	PEMA (Pakistan Ethanol Manufacturing Association)					23					
12.	PDTMA Expo-2025	FOPS					2-4				
13.	PSMA (Pakistan Sugar Mills Association)						14				
14.	PCMA-Pakistan Cosmetics Manufacturers						28				
15.	ChaiCon	All Facuties					16-19				
16.	4th IEEM Electricity & Electronics Exhibition (Hall # 1)	FOE					23-24				
17.	10th ISEM Pakistan Solar Energy Exhibition (Hall # 2)	FOE					23-25				
18.	IFTECH Pakistan Plasti & Pack Pakistan	FOST, FOMS					29-31				
19.	Pakistan Software Houses Association						8				
20.	APTMA (All Pakistan Textile Mills Association)						18				
21.	PCMA (Pakistan Chemical Manufacturers' Association)								16		

22.	ELECTRICITY PAKISTAN 2025	FOE									1-3	
23.	Paper, Tissue, Plastic, Packaging, Asia & Corrugated Expo 2025	FOST, FOMS										13-15
24.	Pakistan Pharmaceutical Manufacturing Association (PPMA)											08
25.	SAP (Seed Association of Pakistan)											22

7.10 Industries for Collaboration

Industries for Collaboration in 2025					
Name of Industries	1. Solutyics	2. SAMAA TV	3. Vital Petroleum Pvt. Ltd	4. IBEX Global - The Resource Group Company	5. Izhar Group
	6. Bless Engineering Company Pvt. Ltd	7. Albario Engineering Pvt. Ltd	8. Ahsan Legal Services	9. The Legal Mentors	10. Alkhidmat Foundation
	11. Deaf Reach School, Training Center and College	12. NovaMed Pharmaceuticals	13. Four Brothers group	14. Chaman Foods Pvt. Ltd	15. Gaminators
	16. Celestial Technology	17. East Rice Pvt. Ltd	18. Inov8 Limited	19. NESPAK (Pvt.) Limited	20. Express News

	21. Ultra-Club	22. South Asia Partnership Pakistan (SAP-PK)	23. Water & Power Development Authority (WAPDA)	24. Sun Excellence Green Energy	25. Popular Chemical Works Pvt. Ltd
	26. SABROSO	27. K&Ns	28. Service Group	29. Systems Limited	30. Xeven Solutions Pvt. Ltd
	31. Message Communications	32. Fruit of Sustainability (SMC-Private) Limited	33. NetSol Technologies	34. Highnoon Laboratories	35. Dr. Masood Homoeopathic Pharmaceuticals Pvt. Ltd
	36. Weltop Seeds Company	37. Atlas Foods	38. Shafi Reso Chemicals	39. Creative Group of Companies	40. Techlogix Pakistan Pvt. Ltd

CHAPTER

8

INTERNATIONAL COLLABORATIONS



CHAPTER

8

International Collaborations

Attracting international collaborations is crucial for advancing research excellence, knowledge exchange, and global visibility. ORIC facilitates partnerships with foreign universities, research institutes, and funding bodies to enable joint research projects, faculty and student exchanges, and co-authored publications. Such collaborations enhance institutional capacity, diversify research funding, and promote innovation by aligning local expertise with global priorities and best practices.

8.1 Number of Projects in partnership with foreign universities and Research Institutions.

UCP has made notable progress in strengthening international academic and research partnerships through the dynamic initiatives of its Office of Research, Innovation and Commercialization (ORIC). These global collaborations are a testament to UCP's commitment to academic excellence, knowledge exchange, and impactful research with global relevance. Through strategic alliances with esteemed foreign universities and research institutions, UCP has engaged in a wide range of joint ventures including:

- Collaborative research projects
- Joint publications
- Faculty and student exchange programs
- Internationally funded research grants

Internationally funded research grants Faculty Exchange Program

UCP actively promotes international collaboration through its Faculty Exchange Program, coordinated by the UCP International Office (UCP-IO). This initiative aims to enhance global academic engagement by facilitating faculty exchanges, joint research projects, and professional development opportunities. It has established partnerships with numerous international institutions, enabling faculty members to participate in exchange programs, collaborative research, and academic training. These collaborations are formalized through Memoranda of Understanding (MoUs), which outline the framework for faculty and student exchanges, joint research endeavors, and the sharing of academic resources.

UCP has signed MoUs with various international universities, **including: Xi'an International Studies University, China**

- South Eastern Regional College, Northern Ireland
- Arcada University of Applied Sciences, Finland
- Umm Al Qura University, Saudi Arabia
- Roslin Institute, University of Edinburgh, UK

These partnerships facilitate faculty exchanges, joint research projects, and academic collaborations.

Institutional Support and Initiatives

UCP has designated faculty members as "Country Ambassadors" and "Programme Ambassadors" to streamline international collaborations. These ambassadors serve as points of contact for faculty and students interested in exchange opportunities and help coordinate international activities. Additionally, UCP's Faculty of Science and Technology (FOST) has launched a foreign faculty exchange program to promote research collaborations and academic exchanges.

Notable Faculty Exchange (FMs)

Ms. Farhat Abdullah, Principal Lecturer at UCP's Faculty of Languages and Literature, participated in a Ph.D. exchange program at Nanyang Technological University, Singapore, where she engaged in teaching and conducted seminars.

Prof. Dr. Muhammad Akhyar Farrukh, Dean of FOST, became a member of Abu Dhabi University's Global Engagement Program, enhancing UCP's access to international research collaborations and faculty exchange opportunities.

MoUs with Foreign Universities (2023-2024)	
University of Portsmouth, UK	Bishop Grosseteste University, UK
University of Foggia, Italy	Chulalongkorn University, Thailand
University of Oslo, Norway	WSB University, Poland

Impact:

These international collaborations have:

- Strengthened UCP's global academic footprint
- Enabled interdisciplinary, cross-cultural research and innovation
- Increased UCP's success in securing internationally competitive grants
- Provided valuable exposure and mentorship opportunities to UCP faculty and students

8.2 Securing Joint Research Projects and Faculty Exchange Opportunities.

The University of Central Punjab (UCP), through the strategic vision of its Office of Research, Innovation and Commercialization (ORIC) and in collaboration with the International Office (IO), has taken significant steps to establish itself as a globally connected institution. UCP has actively pursued and secured joint research initiatives, faculty and student mobility programs, and capacity-building collaborations with leading international partners.

Achievements and Initiatives (2022–2024)**Funding Secured through National and International Programs:**

- Successfully secured funding for student and faculty exchange under the Pak-UK Education Gateway project, jointly supported by the Higher Education Commission (HEC) of Pakistan and the British Council.
- Submitted two additional proposals to the British Council aimed at enhancing student/faculty mobility and deepening research collaboration with the Faculty of Engineering (FOE) and Faculty of Languages and Literature (FOLL).

Ongoing International Grant Submissions:

- Submitted competitive proposals for:
- Erasmus+ student and faculty mobility programs to the European Union (EU).
- Going Global Gender Equality Partnerships to the British Council, UK—a program focused on inclusivity and gender equity in academic collaboration.

Notable Faculty Exchange Activities:

- A FOLL faculty member was mobilized to China for a faculty exchange

- program focused on capacity building in Digital Humanities.
- UCP hosted faculty members from Chulalongkorn University, Thailand, for a collaborative project in metaverse technologies, led by the Faculty of Engineering.
- A visiting faculty member from Queen Mary University, UK, collaborated on an ongoing research project with the Department of Electrical Engineering, contributing to interdisciplinary innovation and knowledge exchange.

Impact Summary

- Multiple funded exchange projects established with international stakeholders.
- Cross-border academic mobility strengthened through British Council and EU-supported initiatives.
- Expansion of research networks in cutting-edge domains like Digital Humanities and Metaverse applications.
- Institutional capacity building through inbound and outbound mobility.

8.3 Strategic alignment of UCP's faculties with global higher education agendas

UCP-Aligning research with global trends and SDGs.

The University of Central Punjab (UCP) strategically aligns its research agenda with global trends and the United Nations Sustainable Development Goals (SDGs) to address complex societal challenges, drive innovation, and contribute to sustainable development both nationally and internationally. Below are the publications aligned with the SDGs.

Sr. No	Faculty Member's Name	Publication Title	Journal	Category	Impact Factor	Year
1	Dr. Muhammad Kashif	BPNN model-based AI for the estimation of soot data from flame luminosity emissions in H ₂ /N ₂ diluted ethylene laminar diffusion flames SDGs: Affordable and clean Energy. Sustainable cities and Communities. Climate Action.	Experimental Thermal and Fluid Science	W	3.2	2024
3	Sadaf Zeeshan	In-Depth Evaluation of Automated Fruit Harvesting in Unstructured Environment for Improved Robot Design SDGs: Industry, Innovation and Infrastructure.	Machines	X	2.6	2024
4	Dr. Muhammad Kashif	Simultaneous soot parameters fields predictions accuracy improvements in laminar sooting flames from soot radiation measurements — a multi-task learning approach SDGs: Industry, Innovation and Infrastructure. Climate Action	Measurement	X	5.2	2024

5	Rakshanda Furnaz	Celebration Of ‘White Supremacy: A Critical Stylistic Analysis of Tarzan of The Apes SDGs: Quality Education. Life Below Water. Peace and justice strong institutions.	Migration Letters	X	Non- Impact Factor	2024
6	Huma Rauf	American withdrawal from Afghanistan: A Print Media representation through Pakistani and American Newspapers SDGs: Peace and justice strong institutions.	Remittances Review	X	Non- Impact Factor	2024
7	Dr Tahir Saleem	Exploring the efficacy of children’s media use in enhancing L2 vocabulary acquisition SDGs: Quality Education	International Journal of Early Years Education	X	1.3	2024

89	Rakshanda Furnaz	Effectiveness Of Counseling Sessions to Provide Error Analysis to Improve the English Functional Skills of The Undergraduate Students of UCP, Lahore SDGs: Quality Education	International Journal of Contemporary Issues in Social Sciences	Y	Non- Impact Factor	2024
9	Dr Khalid Ahmed	Vocabulary Learning Strategies Used by The Students Of Intermediate Level SDGs: Quality Education	Xi'an Shiyou Daxue Xuebao (Ziran Kexue Ban)/Journal of Xi'an Shiyou University, Natural Sciences Edition	X	Non- Impact Factor	2024
10	Dr Khalid Ahmed	Navigating The Legal Landscape: A Discourse Analysis of Domestic Law in Pakistan SDGs: Quality Education	International Research Journal of Social sciences and Humanities (IRJSSH)	Y	Non- Impact Factor	2024

11	Dr. Arslan Tariq Rana	Trade agreements and CO2 emissions in Asian countries: accounting for institutional heterogeneity SDGs: Climate Actions. Partnerships to achieve Goals.	Environmental Science and Pollution Research	W	5.8	2024
12	Uzma Ilyas	Social anxiety and psychological distress among polycystic ovarian syndrome patients in Pakistan SDGs: Good Health and well-being.	JPMA. The Journal of the Pakistan Medical Association	X	0.9	2024
13	Uzma Ilyas	Experiential avoidance, thought suppression, meta-cognition, and body-checking among women during pregnancy and postpartum: Buffering effect of self-compassion SDGs: Good Health and well-being.	International Journal of Gynecology and Obstetrics	W	3.8	2024
14	Amber Baseer	Unveiling the Lived Experiences of Tomboys: A Qualitative Study SDGs: Good Health and Well- being. Gender Equality.	Journal of Professional & Applied Psychology	Y	Non-Impact Factor	2024

15	Dr Abdul Mateen Khan	Political Instability in Pakistan: An Analytical Study SDGs: Partnerships to achieve Goals.	International Journal of Contemporary Issues in Social Sciences	Y	Non-Impact Factor	2024
16	Dr Waheed Khan	Variations in Pakistan's Policy of Neutrality during the Middle Eastern Conflicts SDGs: Peace and Justice strong Institutions.	Annals of Human and Social Sciences AHSS	Y	Non-Impact Factor	2024
17	Amber Baseer & Uzma Ilyas	Meaning In Meaninglessness: University Students' Encounter With Nihilism SDGs: Good Health and well-being.	Journal of Population Therapeutics and Clinical Pharmacology	X	Non-Impact Factor	2024

18	Amber Baseer & Uzma Ilyas	Influencing Factor of Self-Concealment and Its Impact On Quality of life In Patients With Rheumatoid Arthritis SDGs: Good Health and well-being.	Journal of Population Therapeutics and Clinical Pharmacology	X	Non-Impact Factor	2024
19	Amber Baseer	An Experimental Study: Does Watching a Video Change Perceptions? SDGs: Good Health and well- being. Gender Equality.	International Journal of Contemporary Issues in Social Sciences	Y	Non-Impact Factor	2024
20	Amber Baseer & Arooj Nazir	Escapism, The Need for Affect and Transportation as Predictors of Binge Watching in University Students SDGs: Good Health and well-being.	International Journal of Contemporary Issues in Social Sciences	Y	Non-Impact Factor	2024

21	Amber Baseer	Exploring the Challenges, Coping Strategies and Motivational Factors of Non- Traditional Pakistani University Students SDGs: Good Health and well- being. Quality Education.	Human Nature Journal of Social Sciences	Y	Non- Impact Factor	2024
22	Muhammad Irfan Ali	The Impact of Private Television Crime Shows On Youth Examining The Link Between Media Consumption And Aggressive Behavior SDGs: Good Health and Well-Being.	Global Mass Communication Review (GMCR)	Y	Non- Impact Factor	2024
23	Arooj Nazir	Relationship of Online Gaming with Self Control, Problem Solving and Social Zapping in Young Adult Gamers SDGs: Good Health and well-being.	Online Media and Society	Y	Non- Impact Factor	2024

24	Arooj Nazir	The Impact of Culture Shock and Psychological Adjustment on Mental Well-Being in International Students SDGs: Good Health and well-being.	Pakistan Journal of Humanities and Social Sciences	Y	Non-Impact Factor	2024
25	Dr Arslan Tariq Rana & Muhammad Irfan Ali	International Trade and Environmental Degradation: A Developing World Perspective SDGs: Climate Action. Partnerships to achieve Goals.	Global Economics Review (GER)	Y	Non-Impact Factor	2024
26	Maryam Bibi	Being Fair in An Unfair World: Belief in Justice and Corporate Social Responsibility in Rescue 1122 Workers SDGs: Good Health and well-being.	Pakistan Journal of Humanities and Social Sciences	Y	Non-Impact Factor	2024
27	Dr Arslan Tariq Rana & Dr Waheed Khan	Environmental Policy and CO2 Emissions: A Study of South Asian Countries SDGs: Climate Action	Journal of Applied Research and Multidisciplinary Studies	Y	Non-Impact Factor	2024

28	Dr Arslan Tariq Rana & Muhammad Ilyas Ansari	Impact of Entrepreneurship on Exports in Developing Countries SDGs: No Poverty. Industry, Innovation and Infrastructure. Reduced Inequality. Sustainable cities and communities. Partnerships to achieve Goals.	Global Management Sciences Review (GMSR)	Y	Non-Impact Factor	2024
29	Muhammad Irfan Ali	Environmental Challenge as a Common Threat Impacting Maritime Security Operations SDGs: Sustainable cities and communities. Climate Action.	Global Strategic & Security Studies Review (GSSSR)	Y	Non-Impact Factor	2024
30	Maryam Bibi	Cyberbullying, Fear of Missing Out and Self-Perception in Adolescents SDGs: Good Health and well-being.	Jahan-e-Tahqeeq	Y	Non-Impact Factor	2024

31	Syeda Ayesha Noor	Stigma, Social Comparison, and Psychological Distress in Type 2 Diabetic Patients SDGs: Good Health and well-being.	Pakistan Journal of Psychological Research	Y	Non-Impact Factor	2024
32	Syeda Ayesha Noor	Intolerance of Uncertainty and Multidimensional Perfectionism in Individuals With Ocd: The Mediating Role of Self-Compassion SDGs: Good Health and Well-Being.	Journal of Population Therapeutics and Clinical Pharmacology	X	Non-Impact Factor	2024
33	Amber Baseer	Schadenfreudein Working Women of Lahore: A Phenomenological Study SDGs: Good Health and well- being. Gender Equality.	Journal of Professional & Applied Psychology	Y	Non-Impact Factor	2024
34	Abdul Rehman	A Tri-Perspective Analysis of the 1971 Indo-Pak War: Individual State and Systemic Dimensions SDGs:	Kurdish Studies	W	Non-Impact Factor	2024

35	Ayesha Manzoor	Evaluating the Societal Impact of Climate Change on Mental Health: Heat-Related Stress, Anxiety, and Depression in Vulnerable Populations SDGs: Climate Action.	Contemporary issues in social sciences and management practices	Y	Non-Impact Factor	2024
36	Maryam Bibi & Arooj Nazir	Perceptions of Married Adults Regarding Extramarital Affairs in Lahore, Pakistan SDGs: Good Health and well-being.	Human Nature Journal of Social Sciences	Y	Non-Impact Factor	2024
37	Hamid Bilal	Emotional Intelligence, Resilience And Aggression In University Students SDGs: Good Health and well-being.	International Journal of Contemporary Issues in Social Sciences	Y	Non-Impact Factor	2024
38	Hamid Bilal	Ostracism And Depression Among Older Adults: A Case of Punjab, Pakistan SDGs: Good Health and well-being.	International Journal of Contemporary Issues in Social Sciences	Y	Non-Impact Factor	2024

39	Arooj Nazir	Psychological Distress And Professional Competency Among Medical Professionals: The Mediating Role of Work Motivation SDGs: Good Health and Well-Being.	Journal of Population Therapeutics and Clinical Pharmacology	X	Non-Impact Factor	2024
40	Dr. Muhammad Naveed	Revolutionizing the virulent protein Internalin A in <i>Listeria monocytogenes</i> and designing multi epitope-based vaccine via immunoinformatic approaches SDGs: Good Health and Well-being.	CYTA - Journal of Food	X	2.1	2024
41	Prof. Dr. Muhammad Akhyar Farrukh	Elucidating the structural, catalytic, and antibacterial traits of <i>Ficus carica</i> and <i>Azadirachta indica</i> leaf extract-mediated synthesis of the Ag/CuO/rGO nanocomposite SDGs:	Microscopy Research and Technique	W	2	2024

		1. Good Health and Well-being. Clean water and sanitation.				
42	Prof. Dr. Muhammad Akhyar Farrukh	Polymer-assisted Synthesis of ternary magnetic graphene oxide nanocomposite for the adsorptive removal of Cr (VI) and Pb (II) ions SDGs: Clean water and sanitation.	Heliyon	W	3.4	2024
43	Dr. Sumera Zaib	Targeting carbonic anhydrases II/IX/XII with novel series of coumarin- based compounds: Synthesis, biological activity and molecular dynamics analysis SDGs: 1. Good Health and Well-being. Partnerships to achieve the goals.	Journal of Molecular Structure	W	3.8	2024

44	Dr. Tanzeela Riaz	Sublethal Doses of Clove Oil Deplete the Energy Reserves and Downregulate the Carbohydrate Metabolizing Enzymes in the 4th Instar Larvae of <i>Trogoderma granarium</i> SDGs: No Poverty. Zero Hunger. Good Health and Well-being.	Pakistan Journal of Zoology	X	0.6	2024
45	Dr. Sumera Zaib	Purinergic Signaling and its Role in the Stem Cell Differentiation SDGs: Good Health and well-being.	Mini-Reviews in Medicinal Chemistry	X	3.8	2024
46	Dr. Aqeel Ahmad	From screen to service: how corporate social responsibility messages on social media shape hotel consumer advocacy SDGs: Sustainable cities and communities.	Journal of Hospitality Marketing and Management	W	12.5	2024

8.4 Alignment with Global Trends and SDGs

1. SDG-Driven Research Themes

UCP has structured its research initiatives around key SDGs to ensure real-world impact and global relevance:

SDG Focus Area	Research Themes at UCP
SDG 3: Good Health & Well-Being	Public health, mental health awareness, alternative medicine, air quality and smog studies
SDG 4: Quality Education	Pedagogical innovation, e-learning platforms, teacher training models
SDG 7: Affordable & Clean Energy	Smart grids, renewable energy systems, energy-efficient building designs
SDG 9: Industry, Innovation & Infrastructure	Robotics, automation, AI in manufacturing, business incubation
SDG 13: Climate Action	Urban sustainability, air pollution research, eco-friendly materials
SDG 12: Responsible Consumption	Sustainable packaging, natural food preservatives, waste reduction research
SDG 9: Industry, Innovation & Infrastructure	Robotics, automation, AI in manufacturing, business incubation
SDG 13: Climate Action	Urban sustainability, air pollution research, eco-friendly materials
SDG 12: Responsible Consumption	Sustainable packaging, natural food preservatives, waste reduction research

CHAPTER 9

ORIC E-NEWSLETTER

Jan-Dec 2024 Edition



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CHAPTER

9

ORIC Newsletter

The UCP-ORIC E-Newsletter, published quarterly, serves as a dynamic platform to keep the university community and stakeholders informed about the latest developments, achievements, and opportunities within the Office of Research, Innovation, and Commercialization (ORIC). Each edition is meticulously curated to include a wealth of insightful articles and research highlights, focusing on areas such as Research, Innovation, and Technology Transfer Initiatives. These highlights provide readers with a comprehensive overview of the cutting-edge research and innovative projects being undertaken at UCP.

In addition to research highlights, the E-Newsletter features information on various funding opportunities available to researchers and innovators, helping them to secure the necessary resources to advance their work. The newsletter also includes details about upcoming events and workshops, offering readers the chance to participate in activities that promote professional development and networking.

By fostering a culture of knowledge sharing and collaboration, the E-Newsletter aims to inspire and engage its readers. It encourages them to stay connected with the university's mission and vision, promoting a deeper sense of belonging and commitment to the institution's goals. Through this regular communication, UCP-ORIC strengthens the bonds within its community and highlights the university's ongoing contributions to the fields of research, innovation, and commercialization.

Newsletter Issues



CHAPTER **10**

MEMORANDUM OF UNDERSTANDING (MOU)



CHAPTER

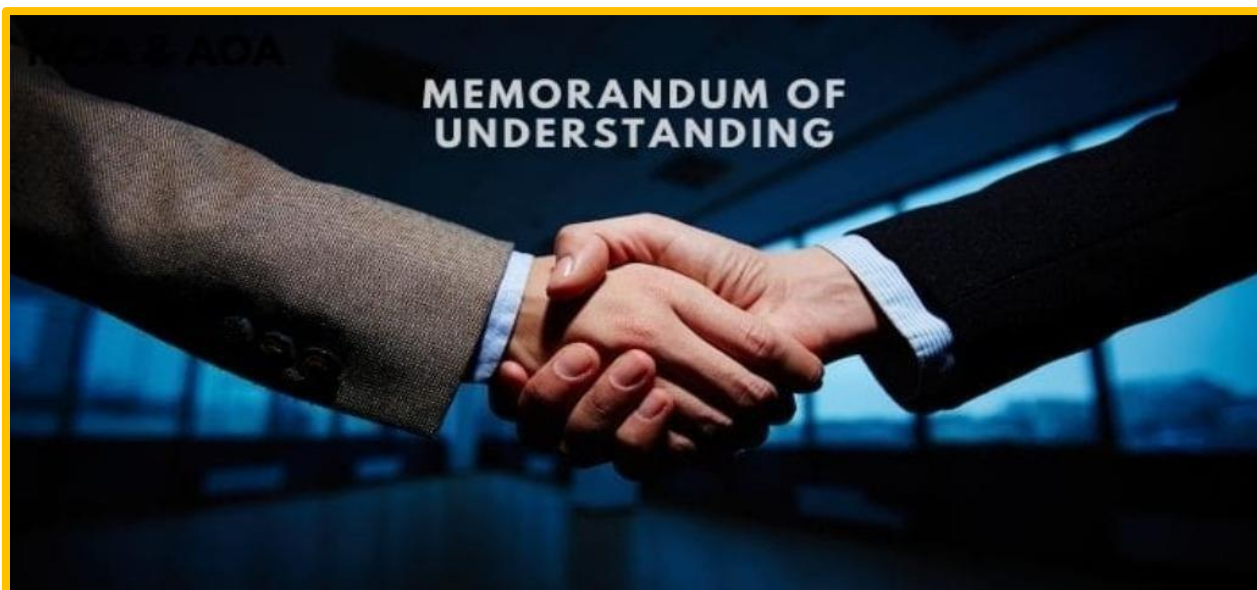
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Memorandum of Understanding (MoU)

10.1 Introduction

A Memorandum of Understanding (MoU) is a formal agreement between two or more parties that outlines the terms and details of their mutual understanding or cooperation on a specific project, initiative, or relationship. While an MoU is not legally binding like a contract, it signifies a commitment to work together and provides a framework for collaboration. MoUs are essential tools for establishing partnerships, setting clear expectations, and defining the scope of cooperation between the involved parties.

The University of Central Punjab (UCP) has signed MoUs with both national and international organizations, such as CarePlus Pharmacy, Water Care Services, and Ihsan Trust, to foster academic and research collaborations. These partnerships aim to enhance the university's research capabilities, support student development, and contribute to societal progress.



10.2 Purpose

The purpose of this MoU is to develop academic and educational cooperation on the basis of equality and reciprocity, and to promote sustainable partnerships and mutual understanding

between UCP and its partners. The MoU serves various purposes, fostering collaboration and partnership between academic institutions and other organizations. Key objectives include:

- **Academic Collaboration:** Facilitating joint academic programs, curriculum development, and faculty exchanges to enhance educational quality and diversity.
- **Research Partnerships:** Promoting collaborative research projects that address common challenges and leverage the strengths of each partner.
- **Student Exchange Programs:** Enabling students to gain international experience and exposure through exchange programs, internships, and study abroad opportunities.
- **Joint Conferences and Seminars:** Organizing conferences, seminars, and workshops to share knowledge, research findings, and best practices.
- **Quality Assurance and Accreditation:** Collaborating on quality assurance processes and accreditation standards to ensure high academic standards.
- **Technology Transfer and Innovation:** Encouraging the transfer of technology and innovation to drive economic growth and societal benefits.

10.3 MoU detailed list for year 2024

The following table provides a detailed list of MoUs signed by UCP in the year 2024, highlighting the nature of the collaboration, the partnering organization, the date and duration of the agreement, the field of study, and the scope of the partnership:

Sr. No.	(Academic or Research)/ (International or National)	Organization	Date / Duration	Field of Study	Scope
1.	Research	Aleem Dar Foundation and UCP	5-Jan-24	Social Sciences	Research and Development

2.	Academic	MOU between Orci Trials, Lahore and UCP	10-Jan-24	Pharmaceuticals	Research and Development
3.	Research	Super Asia Group, Gujranwala and UCP	17-Jan-24	Management Sciences	Research and Development
4.	Research	Nutrifactor Laboratories (Pvt) Ltd, Faisalabad and Ucp I	17-Jan-24	Biotechnology	Research and Development
5.	Research	Bin Rasheed Group (Pvt) Ltd and UCP	18-Jan-24	Science and Technology	Research and Development
6.	Research	Butt Sweets & Bakers, Lahore and UCP	18-Jan-24	Science and Technology	Research and Development
7.	Research	Pharmaeconomica and UCP	24-Jan-24	Science and Technology	Research and Development
8.	Research	Remington Pharmaceutical Industries (Pvt) Ltd, Lahore and UCP	25-Jan-24	Information Technology	Research and Development

9.	Research	OMAR.J Photography, ParGON Overseas Education Pvt. Ltd & Migrant Resource Centre	23-Feb-24	Pharmaceuticals	Research and Development
10.	Research	LegacyStudy Adviser, Faisalabad and UCP	26-Feb-24	Alumni Relations	Research and Development
11.	Research	MAAS Foundation, Lahore and FOHSS, UCP	29-Feb-24	Alumni Relations	Research and Development
12.	Research	MOU between Lahore Rang, Lahore and UCP	8-Mar-24	Social Sciences	Research and Development
13.	Research	Vanar, Lahore and UCP	2-May-24	Media	Research and Development
14.	Research	HITE between IEEE Lahore Society and UCP	16-May-24	Information Technology	Research and Development
15.	Research	Chartered Institute of Arbitrators Pakistan Branch and UCP	24-May-24	Information Technology	Research and Development

16.	Academic	Bada Global Education Pakistan Lahore Office & Off Campus Consulting and UCP	31-May-24	Law	Research and Development
17.	Research	CNext Learning (Private) Limited, Lahore and UCP	3-Jun-24	Alumni Relations	Research and Development
18.	Research	Eastern Scientific Corporation Pvt. Ltd and UCP	12-Jun-24	Information Technology	Research and Development
19.	Research	Radio Pakistan, Lahore Station and UCP	28-Jun-24	Science and Technology	Research and Development
20.	Research	CarePlus Pharmacy, Johar town Lahore Pakistan	10th July 2024	Pharmaceuticals	Research and Development
21.	Research	Water care Services Pakistan	31-Jul-24	Climate Studies	Research and Development
22.	Research	Ihsan Trust	Sep-24	Social Sciences	Financial Assistance to students

23.	Research	Comprehensive disaster response services (CDRS)	30th Sept, 2024	Social Sciences	Disaster Management
24.	Research	Deaf Welfare Awareness Foundation (DWAF)	30th Sept, 2024	Social Sciences	Sign Language
25.	Research	Time Consultant	30th Sept, 2024	Social Sciences	Consultation
26.	Research	CarePlus Pharmacy, Johar town Lahore Pakistan	10th July 2024	Pharmaceuticals	Research and Development
27.	Research	Al-Burhan Trust International	26-Oct-24	Social Sciences	Research and Development
28.	Research	Mausam Mahol (Climate & Environment Protection Foundation)	30-Oct-24	Science and Technology	Research and Development
29.	Academic	Henan University, China	19-Nov-24	Science and Technology	Research and Development

30.	Research	Center for Culture and Development (C2D) Gandhara Resource Center Pakistan	19-Nov-24	Culture and Development	Research and Development
31.	Academic	Kyungdong University Global, Gangwon-do - Republic of South Korea	25-Nov-24	Science and Technology	Research and Development
32.	Academic	Boston Institute of Analytis	6-Dec-24	Science and Technology	Research and Development
33.	Research	Telenor Pakistan (PVT) Limited and UCP	9-Dec-24	Science and Technology	Research and Development

10.4 List of International MoUs 2024

MoUs for Year 2024				
Sr. No.	Type of Linkage (Academic or Research)	Date of MoU/Agreement	Name and Address with Country of Host Institution	Field of Study / Research Broader Areas
1	Academic	19-Nov-24	Henan University, China	Science and Technology
2	Academic	25-Nov-24	Center for Animal Diagnostics	Science and Technology

MoUs with Foreign Universities (2023-2024)

University of Portsmouth, UK		Bishop Grosseteste University, UK
University of Foggia, Italy		Chulalongkorn University, Thailand
University of Oslo, Norway		WSB University, Poland
Sr. No.	Year	Publications having Foreign Collaboration
1	2022	70
2	2023	116
3	2024	128

10.5 Research Publication having Foreign Collaboration



10.6 Trends and Analysis

- The number of partnerships has grown steadily over the last three years.
- There is a shift toward multi-sectoral collaborations, with recent years focusing on AI, Engineering, sustainability, pharmaceuticals, and energy.
- 2024 and 2025 show increased engagement with media, legal, and tech startups, indicating diversification.

10.7 Conclusion

Under the guidance of the Higher Education Commission (HEC), the University of Central Punjab established the Office of Research, Innovation, and Commercialization (ORIC). ORIC's mission aligns with HEC's objectives: to foster, enhance, and manage the university's research initiatives, creating a robust connection between research activities and the academic, social, and commercial interests of both the university and the broader community. ORIC is dedicated to ensuring that the quality of research meets the highest international standards, thereby elevating the university's reputation among the world's leading research institutions.

ORIC is committed to its mission by ensuring that all research programs and policies adhere to the core principles of academic freedom, professional integrity, and ethical conduct, while fully complying with university regulations, legal requirements, and operational standards.

To enhance the research environment and foster linkages, ORIC focuses on:

- Refining and advancing the university's research agenda.
- Increasing and diversifying sources of independent research funding.
- Improving the recruitment and retention of exceptional faculty members.
- Strengthening the integration of research activities with instructional programs.
- Promoting the practical application of research for societal good.
- Building strong partnerships between industry and academia.
- Encouraging entrepreneurship, technology transfer, and commercialization efforts to boost regional and national economies.
- Supporting and enhancing multidisciplinary and cross-cutting research projects.

Through these efforts, ORIC aims to create a dynamic and supportive environment for research, innovation, and commercialization, contributing significantly to the university's mission and the community's development.

10.8 Recommendations

Improve Research Output and Quality:

- Set clear targets for research publications and impact factors, and provide incentives for high-quality research outputs.
- Offer training sessions on research methodologies, data analysis, and publication ethics to enhance the skills of researchers.

Expand Research Funding and Grants:

- Seek additional funding sources, including international grants and private sector investments, to support a wider range of research projects.
- Encourage faculty to apply for competitive grants and provide support in grant writing and proposal development.

Increase Visibility and Impact of Research:

- Enhance the visibility of UCP's research through active participation in national and international conferences.
- Publish research findings in high-impact journals and promote them through various media channels.

Promote Interdisciplinary Research:

- Foster collaboration between different departments to address complex, real-world problems through interdisciplinary research.
- Organize workshops and seminars that bring together researchers from various fields to share ideas and methodologies.
- practical experience for students and faculty.

Strengthen Intellectual Property Management:

- Develop a comprehensive IP management strategy to protect and commercialize research innovations.
- Provide training on IP rights and patent filing processes to faculty and students.

Enhance Industry-Academia Linkages:

- Strengthen partnerships with industry leaders to ensure that research and innovation are aligned with market needs.

- Increase the number of industry placements and collaborative projects to provide

Enhance Capacity Building Programs:

- Expand the range of capacity-building workshops and events to cover emerging research areas and technologies.
- Collaborate with external experts and organizations to provide cutting-edge training and development opportunities.

Monitor and Evaluate Performance:

- Implement a robust monitoring and evaluation system to track the progress of research projects and initiatives.
- Regularly review and update the strategic plan based on performance indicators and feedback from stakeholders.

Foster a Culture of Innovation and Entrepreneurship:

- Encourage faculty and students to pursue innovative projects and entrepreneurial ventures.
- Provide support for prototype development, technology transfer, and commercialization of research outcomes.

Strengthen Governance and Policy Framework:

- Review and update ORIC policies regularly to ensure they are aligned with best practices and regulatory requirements.
- Establish clear guidelines and procedures for research ethics, consultancy services, and industry collaborations.

**FIPP-Panel Discussion/Interactive session-challenges, opportunities and way forward
(26th September, 2024)**



Workshop on Intellectual Property (IPs)





Two-day International Conference on Language, Literature and Linguistics





The Natural Products Research Network for Eastern and Central Africa (NAPRECA) Winter School 2024; Delegation visit Takhleeq, UCP

Call for Research Proposals

PERIDOT

Research Programme
Phase-XI

Higher Education Commission (HEC), Pakistan invites applications from Pakistani faculty members of public and private universities, for funding under the Pak-France PERIDOT Research Programme.

PERIDOT is the Franco-Pakistani Hubert Curien Partnership (PAC) Programme, providing opportunities for Pakistani and French researchers to interact for joint research activities. The programme is implemented in Pakistan by HEC, and in France, jointly by the Ministry of Foreign Affairs & International Development (MAREDI) and the Ministry of Higher Education and Research (SUCRS). The objective of this programme is to develop new science and technological cooperation between French and Pakistani higher education institutions (HEIs)/research laboratories for supporting the mobility of researchers from both sides.

Priority Areas

HEC invites joint research proposals for mobility grant from Pakistani faculty members of public and private universities in the following three areas:

Sustainable Energy, Environment
and Climate Change

Agriculture, Food Security
and Health

Entrepreneurship, Innovation
and Social Sciences

Note: Projects on social challenges of environmental issues will be strongly encouraged. Maximum project duration is three (3) years.

How to Apply

Applications should reach HEC no later than **October 1, 2024** 00:00 hours (Pakistan Standard Time). Online portal is now open for applications.

Please note that a joint application (in collaboration with a French faculty member) that has been submitted to Campus France is a mandatory pre-requisite for applying to this grant.

Any further information about the programme can be viewed at:
<http://www.hec.gov.pk/site/PERIDOT>

Research &
Development
Division

Higher Education
Commission, Pakistan

www.hec.gov.pk

Call for Research Proposals circulated by ORIC



Pakistan Auto Show 2024 25th to 27th October, 2024



Lahore Auto Show 3th November, 2024



Health & Fitness Seminar 26th October, 2024



Pakistan Agro Show 14th – 16th November, 2024





8th Pakistan Industrial Expo 2024 9th – 11th November, 2024



16th ORIC Steering Committee Meeting



9th ICIBM UCP Business School Spring 2024



9th ICIBM
UCP Business School
Spring 2024

Theme:
Managing Resources and Knowledge in the Digitalized & Sustainable Business Ecosystems

April 25 - 26, 2024

Track 1: Emerging Trends in Finance and Accounting

Track 2: Current Issues in Marketing and Digitalized Retail

Track 3: Data-Driven Business in Improving the Patient's Sustainability

Track 4: Human Resource and Knowledge Management for Sustainable Organizational Development

Track 5: Green Technologies and Smart Cities: Business Sustainability and Social Sustainability for Tomorrow

Track 6: Advances in Operations and Supply Chain Management

Track 7: Contemporary Leadership Practices Enriching Contemporary and Hybrid Organization

Track 8: Ethical and Religious Concerns for Sustainable and Healthy Business Ecosystems

Registration Fee: \$200
Early Bird Registration Fee: \$100
Registration for Students: \$50
Fees for international Participants: \$ 200

Important Dates:
Abstract Submission Deadline: April 15
Last Date for Early Bird Registration: April 6
Last Date for Registration: April 10

Keynote Speakers:
Dr. Diana Jansz
Professor of Marketing
University of Pretoria
Professor Dr. Robert Folt
Professor of Management
University of North Carolina
Professor of Marketing
University of North Carolina

Affiliated Journals:
AFJBE African Journal of Business and Economics
AFJBE African Journal of Business and Economics
AFJBE African Journal of Business and Economics
AFJBE African Journal of Business and Economics
AFJBE African Journal of Business and Economics
AFJBE African Journal of Business and Economics
AFJBE African Journal of Business and Economics
AFJBE African Journal of Business and Economics
AFJBE African Journal of Business and Economics
AFJBE African Journal of Business and Economics

Knowledge Partners:

2nd International Media Conference
Media Education and Professional Practices in the Digital Age:
Interdisciplinary Reflections & Future Directions

May 29-30, 2024

Faculty of Media and Mass Communication
University of Central Punjab, Lahore

CONFERENCE COLLABORATORS

  
UNIVERSITY OF THE PUNJAB GC UNIVERSITY LCWU

   
Minhaj University Lahore UMT USA University of Nairobi

   
CLEAN LAHORE BNU AL-FAROOQ UNIVERSITY UAF

Global Conference on Psychopathology & Rehabilitation (GCPR-24)



MoU Signed Between UCP and SVCIT (China)





Office of
**Research, Innovation
& Commercialization**

ORIC ANNUAL REPORT-2024

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