



Office of  
**Research, Innovation  
& Commercialization**



# ORIC E-Newsletter

## April-June, 2025

### Volume 3, Issue 2

#### Insight the Newsletter

- 01 Research Excellence
- 02 Commercialization & IPs
- 03 Industry-Academia Linkages
- 04 Entrepreneurship & Startups
- 05 Infrastructure & Core Facilities

+92-42-35880007

oric@ucp.edu.pk

1 - Khayaban-e-Jinnah Road,  
Johar Town, Lahore.

# Table of Content

## 1. Director's Message

01

## 2. About UCP ORIC

02

## 3. UCP ORIC Steering Committee Meetings

03

## 4. Research Excellence

04

Top Cited Researchers .....	04
Faculty-wise Publication Details .....	08
UCP Research Journals .....	14
Call for Proposals Circulated .....	15
through ORIC to Promote Research Excellence	
Health Research Institute(HRI-NIH) .....	18
Submitted Projects	
SUPARCO-CSS Submitted Projects .....	19
Conferences Facilitated Through ORIC .....	20
Memorandum Of Understanding (MOUs) .....	24

## 5. Commercialization & IPs

27

ORIC Strategic Role in Commercialization .....	28
--	----

## 6. Industry-Academia Linkages

31

## 7. Entrepreneurship & Startups

32

## 8. Infrastructure & Core Facilities

32



## Director's Message

The Office of Research, Innovation, and Commercialization (ORIC) at the University of Central Punjab continue to foster a vibrant culture of academic excellence, research innovation, and entrepreneurial growth. This April–June 2025 edition of the ORIC Newsletter presents key highlights and initiatives reflecting the University's commitment to impactful research and knowledge commercialization.



ORIC remains at the forefront of facilitating high-quality research, supporting innovation-driven projects, and translating academic ideas into real-world solutions. In this quarter, we proudly present a diverse range of faculty publications, a curated list of top-cited researchers, and updates on the current status of our peer-reviewed research journals. Additionally, this edition covers faculty-led conferences, intellectual property (IP) filings, received examination reports, and infrastructure developments aimed at strengthening research facilities. We also underscore ORIC's strategic role in advancing commercialization, enhancing industry-academia linkages, and promoting innovation through collaborative initiatives. Notably, the successful conduction of the 19th and 20th ORIC Steering Committee meetings marks a continued commitment to strategic planning and institutional growth.

I sincerely thank the University's senior leadership, particularly the Pro-Rector, along with our dedicated faculty and staff for their continued support. Together, we are shaping a research ecosystem that creates lasting societal and economic impact.

**Professor Dr. Muhammad Akhyar Farrukh**  
**Director ORIC**

## About UCP-ORIC



University of  
Central Punjab  
The Centre of Your Future



Office of  
Research, Innovation  
& Commercialization

# UCP ORIC Recognized in **X-Category** by HEC

## Vision

To be the catalyst of transformative research and innovation that shapes industries, empowers entrepreneurs, and delivers real-world impact.

## Introduction

The Office of Research, Innovation and Commercialization (ORIC) at the University of Central Punjab (UCP) serves as a vital platform to promote and support research, innovation, entrepreneurship, and industry-academia collaboration. It plays a key role in strengthening the research culture at UCP by facilitating faculty, researchers, in conducting high-quality research that aligns with national priorities and global standards.

ORIC UCP works to develop a sustainable ecosystem where academic knowledge can be translated into impactful solutions. It fosters interdisciplinary research, supports proposal development, assists in securing research grants. The office also monitors the progress of funded projects and provides guidance to ensure successful outcomes.

## Mission

To drive UCP's research excellence through strategic partnerships, IP generation, and sustainable commercialization, fostering a future-ready ecosystem where ideas evolve into enterprises.

A significant aspect of ORIC's mission is to bridge the gap between academia and industry. Through various initiatives, including seminars, workshops, research expos, and innovation challenges, ORIC encourages entrepreneurial thinking and commercialization of research. It also helps in the protection and management of intellectual property (IP), enabling innovators to patent their ideas and bring them to market. ORIC also actively collaborates with national and international partners to open avenues for joint research, faculty development, and funding opportunities. It provides a structured platform for technology transfer, startup incubation, and industry consultancy, empowering UCP to contribute meaningfully to economic and societal development.

# UCP-ORIC Steering Committee Meetings

## About Steering Committee Meeting:

ORIC (Office of Research, Innovation, and Commercialization) steering committee meeting typically refers to a gathering of individuals who are part of a steering committee. ORIC steering committee comprise of group of senior executives or stakeholders responsible for providing guidance and direction to a project, organization, or initiative. 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. Encourage stronger engagement between faculty, industry partners, and external stakeholders to foster impactful research and innovation. The meeting also serves as a platform for discussing new opportunities in research, innovation, and industry partnerships.

### 19th ORIC Steering Committee Meeting



The 19th ORIC Steering Committee meeting was held at the University of Central Punjab, chaired by Dr. Hammad Naveed, Pro-Rector UCP, with the agenda presented by Prof. Dr. Muhammad Akhyar Farrukh, Director Research/ORIC. Representatives from industry and academia, including Shafi Reso Chemical Pvt. Ltd., Siliconic Pro International, Malik Traders Group, and UCP faculty, reviewed ORIC's progress, discussed KPIs, and explored strategies to enhance research and industry linkages.

The meeting emphasized aligning future plans with HEC policies and expanding UCP's research and innovation ecosystem.

#### Points discussed in 19th ORIC Steering Committee Meeting

1. Endorsement/confirmation of the minutes of 18th meeting of the steering committee.
2. ORIC completed activities.
3. ORIC ongoing activities.
4. ORIC upcoming activities.
5. Any other point with the permission of chair.

### 20th ORIC Steering Committee Meeting



Office of Research Innovation and Commercialization's 20th Steering Committee meeting chaired by Dr. Hammad Naveed, Pro-Rector, brought academic leaders and industry representatives together to review ORIC's recent accomplishments. The committee also reviewed ORIC's Five-Year Strategic Plan, including initiatives to strengthen research quality, partnerships, innovation, infrastructure, and global engagement.






#### Points discussed in 20th ORIC Steering Committee Meeting

1. Endorsement/confirmation of the minutes of 18th meeting of the steering committee.
2. ORIC Previous activities (2022-June 2025).
3. ORIC Future 5 Year Plan (2025-2029).
4. ORIC completed activities (May-June 2025)
5. Any other point with the permission of chair.



## Research Excellence






### Top Cited UCP Researchers (April-June, 2025)

Sr. No.	Name	Picture	Designation/ Faculty	Citations	H-index	i10-index
1.	Dr. Muhammad Naveed		Professor/ FOST	18016	40	104
2.	Dr. Jawad Abbas		Assistant Professor/ FOMS	7831	43	57
3.	Dr. Sumera Zaib		Professor/ FOST	5037	40	115
4.	Dr. Ghulam Jilany Khan		Associate Professor/ FOPS	3695	29	56
5.	Dr. Muhammad Akhyar Farrukh		Professor/ Director ORIC	3512	34	77

# Top Cited UCP Researchers (April-June, 2025)

Sr. No.	Name	Picture	Designation/ Faculty	Citations	H-index	i10-index
6.	Dr. Muhammad Zaman		Associate Professor/ FOPS	2731	26	83
7.	Dr. Muhammad Jamshaid		Professor/ FOPS	2606	31	62
8.	Dr. Saira Andleeb Gilani		Professor/ (FOIT&CS)	2577	19	25
9.	Dr. Shahid Saeed Siddique		Professor/ FOST	2219	29	59
10.	Dr. Ahmed Faisal Siddique		Professor/ FOMS	2046	19	27

## Top Cited UCP Researchers (April-June, 2025)

Sr. No.	Name	Picture	Designation/ Faculty	Citations	H-index	i10-index
11.	Dr. Raja Irfan Sabir		Associate Professor/ FOMS	1758	21	39
12.	Dr. Muhammad Riaz		Assistant Professor/ FOST	1675	20	39
13.	Taimoor Hassan		Senior Lecturer/ (FMMC)	1570	20	28
14.	Dr. Babar Hussain		Assistant Professor/ FOST	1502	18	23
15.	Dr. Mahtab Ahmad Khan		Dean/ Professor/ FOPS	1396	16	28



## Top Cited UCP Researchers (April-June, 2025)

Sr. No.	Name	Picture	Designation/ Faculty	Citations	H-index	i10-index
16.	Dr. Muhammad Saeed Shahbaz		Associate Professor/ FOMS	1297	20	25
17.	Dr. Sadaf Hameed		Assistant Professor/ FOST	1162	17	22
18.	Dr. Aqeel Ahmad		Professor/ FOMS	1137	17	32
19.	Dr. Hammad Naveed		Pro-Rector	1095	18	31
20.	Dr. Sanabil Yaqoob		Assistant Professor/ FOST	969	15	18

# Faculty-wise Publication Details (April-June, 2025)

## FOST Publications

Sr. No.	Faculty Member's Name	Designation	HEC Cat	Journal	Impact Factor	Title
1	Dr. Aatif Amin	HoD/Associate Professor	W	Scientific Reports	3.8	Efficacy of Lactaseibacillus rhamnosus probiotic strains in treating chromate induced dermatitis
2	Dr. Aatif Amin	HoD/Associate Professor	W	OncoTargets and Therapy	2.7	Evaluation of Indoleamine 2,3-Dioxygenase (IDO) Expression in Osteosarcoma: Insights From a 10-Year Retrospective Cohort
3	Dr. Sadaf Hameed	Assistant Professor	W	Disaster Medicine and Public Health Preparedness	1.9	Unveiling a Growing Concern: Naegleria fowleri's Emergence as a Brain-Eating Threat
4	Dr. Hafiza Rizwana Kausar & Dr Amal Majid	Dean/ Assistant Professor	W	European Physical Journal Plus	2.8	Anisotropic quark stars in the modified $f(Q, T)$ gravity: an application of the MIT bag model
5	Dr. Sumera Zaib	Professor	X	Future Medicinal Chemistry	3.2	Discovery of bis-chalcones and bis-pyrimidines as potential urease inhibitors: from synthesis to computational insights
6	Dr. Muhammad Naveed	Professor	X	Molecular Biotechnology	2.4	Elucidation of Bacterial-Mediated Hesperidin Transformation, Structural Evaluation, and Computational Drug Targeting against Helicobacter pylori
7	Dr. Muhammad Naveed	Professor	Y	Journal of Computational Biophysics and Chemistry	2	In-Silico and Computational Active Site-Driven Design and Characterization of Beta-NGF-Ab Fusion Protein as a Novel and Targeted Alzheimer's Disease Therapy

## FOST Publications

Sr. No.	Faculty Member's Name	Designation	HEC Cat	Journal	Impact Factor	Title
8	Dr. Muhammad Naveed	Professor	W	LWT	6	Integrative interpretation of linoleic acid biotransformation by probiotic <i>Pediococcus acidilactici</i> BCB1H via metabolite profiling and enzyme interaction analysis
9	Dr. Muhammad Naveed	Professor	W	Cogent Food & Agriculture	1.7	Synergistic effects of vitamin C and curcumin in mitigating buprofezin-induced toxicity in non-target animal species
10	Dr Kanza Aziz Awan	HoD/Associate Professor	W	Journal of Functional Foods	3.8	Restorative potential of Phoenix dactylifera fruit and extract against oxidative stress mediated cardiac dysfunction in rodent experimental modeling
11	Dr. Sumera Zaib	Professor	W	European Journal of Medicinal Chemistry	6	Synthesis, in vitro and in vivo evaluation, and computational modeling analysis of thioxothiazolidine derivatives as highly potent and selective $\alpha$ -amylase inhibitors
12	Dr Asma Zafar, Dr Zia Ur Rahman & Dr Hira Mubeen	HoD/ Associate Professor, Assistant Professor & Associate Professor	X	Pakistan Journal of Botany	0.9	PURIFICATION AND CHARACTERIZATION OF A LACCASE ENZYME PRODUCED BY CO-CULTURING OF LOCALLY ISOLATED ASPERGILLUS NIGER AND ASPERGILLUS ORYZAE



## FOPS Publications

Sr. No.	Faculty Member's Name	Designation	HEC Cat	Journal	Impact Factor	Title
1	Ms. Sana Jameel & Dr Mahtab Ahmed Khan & Ms. Ayesha Asif	Assistant Professor & Dean & Assistant Professor	W	Scientific Reports	3.8	Exploring the antibacterial efficacy of <i>Opuntia monacantha</i> in combatting methicillin-resistant <i>Staphylococcus aureus</i>
2	Dr. Huma Hameed	Assistant Professor	X	Carbohydrate Polymer Technologies and Applications	6.2	Chondroitin sulfate: An ideal biomaterial based scaffolds for cartilage regeneration and its therapeutic potential
3	Dr. Huma Hameed & Dr Mahtab Ahmed Khan	Assistant Professor & Dean	W	Molecular Biology Reports	2.6	Unraveling the role of withanolides as key modulators in breast cancer mitigation
4	Dr. Huma Hameed & Dr Mahtab Ahmed Khan	Assistant Professor & Dean	X	Polymer Bulletin	3.1	Chitosan as a multifunctional polymer in drug delivery systems for diabetic wound management
5	Dr. Muhammad Zaman	Associate Professor	Y	Acta Chromatographica	1.7	Development and validation of R-HPLC method for simultaneous determination of fexofenadine HCl and paracetamol for their quantification from multiparticulate drug delivery system
6	Dr. Huma Hameed & Dr Mahtab Ahmed Khan	Assistant Professor & Dean	W	BioMetals	4.1	The role of corroles in modern cancer therapy: innovation and prospects
7	Dr. Muhammad Zaman	Associate Professor	W	ACS Omega	3.7	Design and Evaluation of Instant Release Buccal Films of Empagliflozin: A Statistical Approach

## FOPS Publications

Sr. No.	Faculty Member's Name	Designation	HEC Cat	Journal	Impact Factor	Title
1	Ms. Sana Jameel & Dr Mahtab Ahmed Khan & Ms. Ayesha Asif	Assistant Professor & Dean & Assistant Professor	W	Scientific Reports	3.8	Exploring the antibacterial efficacy of <i>Opuntia monacantha</i> in combatting methicillin-resistant <i>Staphylococcus aureus</i>
2	Dr. Huma Hameed	Assistant Professor	X	Carbohydrate Polymer Technologies and Applications	6.2	Chondroitin sulfate: An ideal biomaterial based scaffolds for cartilage regeneration and its therapeutic potential
3	Dr. Huma Hameed & Dr Mahtab Ahmed Khan	Assistant Professor & Dean	W	Molecular Biology Reports	2.6	Unraveling the role of withanolides as key modulators in breast cancer mitigation
4	Dr. Huma Hameed & Dr Mahtab Ahmed Khan	Assistant Professor & Dean	X	Polymer Bulletin	3.1	Chitosan as a multifunctional polymer in drug delivery systems for diabetic wound management
5	Dr. Muhammad Zaman	Associate Professor	Y	Acta Chromatographica	1.7	Development and validation of R-HPLC method for simultaneous determination of fexofenadine HCl and paracetamol for their quantification from multiparticulate drug delivery system
6	Dr. Huma Hameed & Dr Mahtab Ahmed Khan	Assistant Professor & Dean	W	BioMetals	4.1	The role of corroles in modern cancer therapy: innovation and prospects
7	Dr. Muhammad Zaman	Associate Professor	W	ACS Omega	3.7	Design and Evaluation of Instant Release Buccal Films of Empagliflozin: A Statistical Approach

## FLL Publications

Sr. No.	Faculty Member's Name	Designation	HEC Cat	Journal	Impact Factor	Title
1	Dr. Muhammad Safdar	Assistant Professor	W	Men and Masculinities	3	Unbearable Muslim Masculinity in Kamila Shamsie's Home Fire
2	Dr. Muhammad Safdar	Assistant Professor	W	Journal of Postcolonial Writing	0.2	Nihilopolitical erasure and resistance of British-born young Muslim women in Kamila Shamsie's Home Fire
3	Dr Tahir Saleem	Professor & Associate Head	W	Humanities and Social Sciences Communications	3.7	From structure to meaning: a lexical semantic framework for Urdu compounding

## FOMS Publications

Sr. No.	Faculty Member's Name	Designation	HEC Cat	Journal	Impact Factor	Title
1	Dr. Salman Iqbal	Associate Professor	X	Cogent Business and Management	3	Impact of knowledge sharing and innovation on performance of organization: evidence from the pharmaceutical industry of Pakistan
2	Dr. Aitzaz Khurshid & Dr. Muhammad Shehzad Hanif	Assistant Professor	Y	International Journal of Organizational Leadership	0.2	Highlighting the Leadership Role of Top Management and Business Strategy Between Institutional Pressures and the Adoption of Environmental Management Accounting
3	Dr. Waqar Ahmad	Assistant Professor	W	PLoS ONE	2.9	The influence of language proficiency, acculturation stress, and institutional support in enhancing personal development of international students in China



## FOE Publications

Sr. No.	Faculty Member's Name	Designation	HEC Cat	Journal	Impact Factor	Title
1	Dr. Muhammad Kashif	Associate Professor	W	International Journal of Heat and Fluid Flow	2.6	Thermo-Fluidic characterization of different protuberance shapes upstream of transverse trench on the film cooling performance
2	Dr. Sadaf Zeeshan	Assistant Professor	W	Energy Conversion and Management: X	7.1	Enhancing peak performance forecasting in steam power plants through innovative AI-driven exergy-energy analysis

## FOIT&CS Publications

Sr. No.	Faculty Member's Name	Designation	HEC Cat	Journal	Impact Factor	Title
1	Ahmad Arsalan	Senior Lecturer	W	Digital Communications and Networks	7.5	Data driven vehicular heterogeneity based intelligent collision avoidance system for Internet of Vehicles (IoV)
2	Salman Muneer	Lecturer	W	Scientific Reports	3.8	Responsible CVD screening with a blockchain assisted chatbot powered by explainable AI

## FHSS Publications

Sr. No.	Faculty Member's Name	Designation	HEC Cat	Journal	Impact Factor	Title
1	Dr Alia Asmat	Associate Professor	W	BMC Psychiatry	3.4	Mental health expert's perspective on risk and protective factors of suicide ideation in Patients with OCD and depression

# UCP Research Journals

## UCP Research Journals Publication Status:

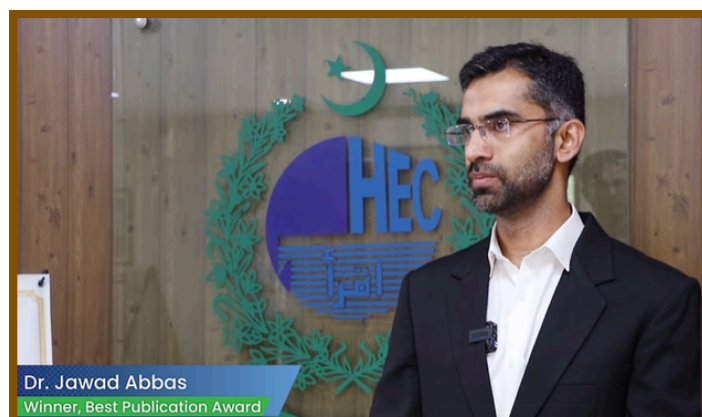
The University of Central Punjab currently publishes seven biannual academic journals across diverse disciplines, reflecting its commitment to scholarly excellence and knowledge dissemination. Out of these, **six** journals are HEC recognized, while the UCP Journal of Business Perspectives is currently under the recognition process. These journals serve as a platform for high-quality, peer-reviewed research and contribute meaningfully to the academic and professional community.

Sr. No.	Journal Name	Volume/Issue	Span	Publication Status
1	UCP Journal of Mass Communication	Vol. 3, Issue 1	January-June, 2025	Published (30-06-2025)
2	UCP Journal of Humanities & Social Sciences	Vol. 3 Issue 2	Jan 25 - June 25	Published (20-05-2025)
3	UCP Journal of Languages & Literature	Vol. 3 Issue 1	Jan 25 - June 25	Published (22-04-2025)
4	UCP Journal of Law & Legal Education	Vol. 3 Issue 1	Jul 24 - Dec 24	Published (14-04-2025)

## HEC 10<sup>th</sup> Best Research Award

**Dr. Jawad Abbas**, Associate Professor at the Faculty of Management Sciences, University of Central Punjab (UCP), has been conferred with the prestigious Best Researcher Award by the Higher Education Commission (HEC), Islamabad. This distinguished recognition highlights his sustained dedication to advancing academic scholarship and producing high-impact research in the field of management sciences.

Further elevating his academic profile, Dr. Abbas has also been recommended for the Best Publication Award by HEC, in acknowledgment of his significant contributions to high-quality, peer-reviewed publications. His achievements not only bring honor to the University but also serve as an inspiration for fellow researchers striving for excellence and innovation in academia.



# Call for Proposals Circulated through ORIC to Promote Research Excellence

## 1. Health Research Institute (HRI) National Institutes of Health Round (05)



The Health Research Institute (HRI) under the National Institutes of Health (NIH), Pakistan, has announced Round 05 of its Call for Proposals. This initiative invites researchers to submit innovative and impactful health-related research projects aimed at addressing national health priorities.

The call encourages interdisciplinary proposals that contribute to evidence-based healthcare solutions, disease prevention, and health policy development. Successful projects may receive funding and support for implementation.

### Eligibility Criteria

1. Faculty members from HEC-recognized universities, PMDC, or CPSP-affiliated teaching hospitals with at least five years of research experience are eligible to apply.
2. Scientists or researchers from R&D organizations must have minimum of five years of relevant post-qualification experience.
3. The Principal Investigator (PI) must hold a valid employment contract with their institution for the entire duration of the proposed research grant at the time of application.

### Thematic Area

1. Climate Change and Health Challenges
2. Antimicrobial Resistance
3. Non-Communicable Diseases (CVS, Chronic respiratory illness, diabetes, cancer)

## 2. SUPARCO Call for Experiments (SUPARCO invites proposals for first spaceflight mission)



Pakistan Space & Upper Atmosphere Research Commission (SUPARCO) Welcomed Academia and Industry to join Space Research Call for Experiments Pakistan's First Manned Space Mission to Chinese Space Mission (CSM).

The Brilliant mind of Pakistan are invited to contribute to this mission. We invite you to propose innovative experiments that our astronauts can perform in space.

Under SUPARCO's agreement with the China Manned Space Mission, two Pakistani astronauts will train in China, with one selected as a payload specialist to conduct experiments in microgravity.

### Eligibility Criteria

1. Applicants must be affiliated with a HEC-recognized university, R&D organization, or technical institution in Pakistan.
2. The Principal Investigator (PI) must hold a minimum of a Master's degree (MS/MPhil or equivalent) in a relevant field (e.g., physics, engineering, biotechnology, material science, etc.).
3. Proposed experiments should be aligned with microgravity research, space life sciences, material behavior in space, or other areas suitable for the China Space Station (CSS) environment.
4. A minimum of 3–5 years of relevant research experience in designing and executing scientific experiments.

### Thematic Area

1. Space Life Science & Biotechnology
2. Fundamental Physics in Microgravity
3. Microgravity Fluid Physics & Combustion
4. Multipurpose Research Facilities
5. Material Science in Space

# Call for Proposals Circulated through ORIC to Promote Research Excellence

## 3. EU-Funded Research and Innovation Opportunities





Submit project proposals for potential collaboration under various European Union-funded programmes facilitated by the Finnova Foundation, a Brussels-based organization dedicated to supporting innovation, entrepreneurship, sustainability, and capacity building across Europe and beyond.

The Finnova Foundation specializes in project development, EU grant management, and international cooperation in alignment with strategic EU goals such as the European Green Deal, digitalization, and climate action.

### Relevant EU Funding Programmes & Projects:

1. Horizon Europe.
2. LIFE Programme.
3. Interreg.
4. NextGenerationEU
5. EU Green Deal
6. One Blue
7. Startup Europe Accelerator
8. RES4CITY
9. RESSKILL
10. Interreg CILIFO
11. RELAUNCH BLUE
12. CircularInnoBooster

## 4. SCO-PSF Joint Research Grant 2025

**CALL FOR PROPOSALS**  
**Pakistan Science Foundation (PSF)**  
 Under  
**Shanghai Cooperation Organization (SCO)**  
 (Russia, Pakistan, China, Uzbekistan, Belarus, and Kazakhstan)  
 The Call is open between 25<sup>th</sup> April, 2025 to 30<sup>th</sup> June, 2025

PSF along with SCO member states is pleased to announce the 1<sup>st</sup> Multilateral Joint Call for R&D Project with maximum limit of funding to Pakistani Side Rs. 15.00 million. The Call is announced under SCO Agreement between the member states.

The call for Proposals for Multilateral Joint Research and Development Projects is open in the following priority areas;

1. **Adaptation to climate change;** environmental protection and restoration, conservation and rational use of natural resources
2. **Life sciences** (preventive medicine, epidemic control; healthy longevity technologies)
3. **High-tech and sustainable agriculture** (A) Technologies for the production of new varieties and hybrids of plants resistant to environmental changes. (B) Development of biological and chemical means to increase crop yields and protect plants against diseases (C) Biodiversity conservation.
4. **Nanosystems and materials:** (nanotechnology for the creation of new materials)
5. **Information and telecommunications technologies:** (A) The use of Artificial Intelligence (AI) in telecommunications and transport systems (B) Microelectronics and photonics technologies.
6. **Energy and energy conservation:** (A) Highly efficient resource-saving energy (B) New technologies for energy generation and storage systems (C) The use of mega-science facilities for nuclear, laser, and quantum research)
7. **Earth science:** soil monitoring and soil science; technologies for preventing and reducing natural risks
8. **Medicine and biotechnologies:** creation of new generation medical devices; technologies for the development of biotech medicines; the use of biotechnologies in the economy.

**GUIDELINES FOR PROPOSAL SUBMISSION**

- Pakistani and counterpart scientists should come to an agreement with each other using their own means of communications and jointly develop and complete their project proposal before submitting it to PSF. **PSF do not match the collaborating partners.**
- Pakistani and Counterpart Collaborator /partner should necessarily be identified in each submitted Joint Research Project Proposal submitted individually from any side. Proposals without collaborators / partners from at least three (03) SCO member states including Russia, Pakistan, China, Uzbekistan, Belarus, and Kazakhstan will not be processed further.

The Pakistan Science Foundation (PSF), under the framework of the Shanghai Cooperation Organization (SCO), has announced a Call for Research Proposals under the SCO-PSF Joint Research Grant 2025. This initiative aims to foster scientific cooperation among SCO member states by supporting high-impact joint research projects.

Interested faculty members and researchers submit proposals aligned with the priority areas.

### Collaborating countries:

Proposals must involve at least three (03) SCO member states, such as Russia, China, Pakistan, Uzbekistan, Belarus, and Kazakhstan.

### Note:

Before submission, kindly discuss your research concept and formulate a project team involving at least three SCO countries in alignment with the call requirements.



# Call for Proposals Circulated through ORIC to Promote Research Excellence

## 5. PERIDOT Mobility Grant Programme Phase-XII



**Call for Research Proposals**

**PERIDOT**  
Mobility Grant Programme  
Phase-XII

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

PERIDOT is the Franco-Pakistani Hubert Curien Partnership (PHC) Programme, providing opportunities to 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 (MAEDI) and the Ministry of Higher Education and Research (MESR). The objective of this programme is to develop new scientific and technological cooperation between French and Pakistani higher education institutions (HEIs)/research laboratories by 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:

- Health Sciences
- Sustainable Energy, Agriculture & Food Security
- Economics of Climate Change

**How to Apply**

Applications should reach HEC no later than **September 23, 2025** till 1600 hours (Pakistan Standard Time). Online portal will be open for applications from **June 23, 2025**.

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:  
<https://www.hec.gov.pk/site/PERIDOT>

Research & Development Division  
Higher Education Commission, Pakistan

ID(I)8871-D/24

The Higher Education Commission (HEC), Pakistan, in collaboration with the French government, has announced the PERIDOT Mobility Grant Programme Phase-XII under the Franco-Pakistani Hubert Curien Partnership (PHC). This programme provides a significant opportunity for faculty members of public and private universities in Pakistan to collaborate with French researchers on joint research activities.

### Priority Research Areas:

1. Health Sciences
2. Sustainable Energy, Agriculture & Food Security
3. Economics of Climate Change

## 6. DRAP Central Research Fund (CRF) Grants



**DRUG REGULATORY AUTHORITY OF PAKISTAN**  
Ministry of National Health Services, Regulations & Coordination  
Prime Minister's National Health Complex,  
Park Road, Islamabad

**CALL FOR APPLICATIONS FOR FINANCIAL GRANTS UNDER THE CENTRAL RESEARCH FUND (CRF) DRUG REGULATORY AUTHORITY OF PAKISTAN (DRAP)**

The Drug Regulatory Authority of Pakistan (DRAP), established under the DRAP Act 2012, is the National Regulatory Authority responsible for ensuring the quality, safety, and efficacy of therapeutic goods across Pakistan. DRAP's overarching vision is "Health for all by 2025 through Access to medicine, contributing advancement in health care in Pakistan," aligning with national and international health objectives.

This Expression of Interest (EOI) invites research grant proposals for grant of fund through DRAP's Central Research Fund, as outlined in the Drugs (Research) Rules, 1978 (<https://shorturl.at/5ZNe>), to various categories of the following key research areas. The aim is to generate evidence-based insights and innovative solutions that directly support DRAP's Strategic Plan 2022-2025 and its commitment to safeguarding public health.

**Key Research Areas:**

Key research areas are Basic research, Operational research and Clinical trials as per details in the Drug Research Rules, 1978.

**Who Can Apply:**

This EOI is open to government recognized academic institutions, pharmaceutical licensed manufacturers, research organizations with demonstrated expertise in relevant research areas as per the Drug Research Rules, 1978.

**Funding Support:**

- Full or partial grant-in-aid under the Central Research Fund (CRF)

**Application Process:**

1. Use Form A for basic and other than clinical research
2. Use Form B for clinical trials
3. All applications shall be addressed to Director, Pharmacy Services Division/Secretary, Committee Experts on Drugs Research (CEDR), DRAP Islamabad.
4. Detailed requirements can be assessed from the Drug Research Rules, 1978 available on the official website of DRAP.

**For more details, please visit the official website of DRAP [www.dra.gov.pk](http://www.dra.gov.pk)**  
**Should you require any further clarification or have additional queries, please contact us at [sec.cedr@dra.gov.pk](mailto:sec.cedr@dra.gov.pk)**

The Drug Regulatory Authority of Pakistan (DRAP) under its Central Research Fund (CRF). As per the advertisement attached, DRAP invites research proposals aligned with its Strategic Plan 2022–2025 focusing on healthcare advancements in Pakistan.

**Eligible Areas:** Basic Research, Operational Research, and Clinical Trials (as per Drug Research Rules, 1978)

**Eligible Applicants:** Recognized academic institutions, pharmaceutical manufacturers, and research organizations

**Funding Support:** Full or partial grants-in-aid under CRF

### Application Process:

Use Form A for basic/other research and Form B for clinical trials

### Address applications to:

Director, Pharmacy Services Division / Secretary, CEDR, DRAP Islamabad



## Health Research Institute (HRI) under the National Institutes of Health (NIH) Submitted Projects

Sr. No.	Faculty Member's Name	Designation	Faculty	Title	Duration
1	Ms. Sadia Zia	Principal Lecturer	FOST	Mapping of Pollution-Cancer hotspots & Correlation of PM <sub>2.5</sub> /NO <sub>2</sub> levels in repository cancer rates in Pakistan	12 months
2	Dr. Muhammad Imran Sajid	Associate Professor	FOPS	Development and Evaluation of Antimicrobial Peptides against Multidrug-Resistant Pathogens Prevalent in Pakistan	24 months
3	Dr. Ghulam Jilany Khan	Associate Professor	FOPS	Formulation of Allicin-Co-Trimoxazole addressing antimicrobial resistance in pediatric <i>Klebsiella pneumoniae</i> infections	22 Months
4	Dr. Muhammad Afzal	Associate professor	FOST	Purification and Characterization of Antimicrobial biometabolites from selected indigenous Medicinal Plants to Combat Infectious Diseases	24 months
5	Dr. Hira Mubeen	Associate professor	FOST	Unraveling the Multi-omic Landscape of Preeclampsia through the Establishment of a Cell Culture Platform for Prediction and Therapeutic Innovation	24 months
6	Dr. Shazia Hasan	Professor	FHSS	Exploring the early warning signs of Suicide and Training of at-Risk Population	18 months

## Health Research Institute (HRI) under the National Institutes of Health (NIH) Submitted Projects

Sr. No.	Faculty Member's Name	Designation	Faculty	Title	Duration
7	Dr. Muhammad Naveed	Professor	FOST	A Nationwide Cross-Sectional Study of Thyroid Disorders in Women: Prevalence, Determinants, and Awareness	24 months
8	Dr. Muhammad Naveed	Professor	FOST	Development of Nano-Encapsulated Probiotic-Based Therapeutics for Modulating Gut Microbiota in Mitigating Colorectal Cancer	24 months
9	Dr. Muhammad Naveed	Professor	FOST	The Economic Burden of Type 2 Diabetes Mellitus in Pakistan: A Cost of Illness Study	24 months
10	Dr. Mohsin Gulzar Barq	Assistant Professor	FOST	Epidemiological Investigation of Suicidal Behavior and Suicidal Ideation: Assessing Risk Factors and the Impact of Coping Strategies among Students in Different Educational Institutions of Lahore	24 months

## SUPARCO-CSS Submitted Projects

Sr. No.	Faculty Member's Name	Designation	Faculty	Title	Duration
1	Prof. Dr. Muhammad Akhyar Farrukh	Professor/ Director Research/ ORIC	FOST/ ORIC	Development of Multifunctional Nanocoatings for Lunar Equipment Protection and Dust Mitigation	2 Months
2	Dr. Ghulam Jilany Khan	Associate Professor	FOPS	Study of wound healing, angiogenesis and tissue development in microgravity using the cam assa	7 Days
3	Ms. Maryam Hussain	Lecturer	FHSS	Minds Beyond Earth: Investigating Psychological, Cognitive and Affective Challenges in Space Environments	6 months

# Conference Organized by FOMS



**10<sup>th</sup> ICIBM Conference**  
Resilient Business Futures for Sustainable Entrepreneurial Ecosystems

**Call for Abstracts / Case Studies**

This year's conference theme is "Resilient Business Futures for Sustainable Entrepreneurial Ecosystems". Academicians, practitioners, and policymakers are invited to share their research on how resilience, technology, and sustainability can work together to shape the future of entrepreneurial ecosystems.

**Important Dates**

Conference Dates:	April 17–18, 2025
Abstract/Paper Submission Deadline:	April 4, 2025
Last date for Early Bird Registration:	March 28, 2025
Last date for Registration:	April 11, 2025

## 10th International Conference on Contemporary Issues in Business Management (ICIBM)

The UCP Business School successfully organized the 10th International Conference on Contemporary Issues in Business Management (ICIBM) on April 17–18, 2025. The event brought together leading academics and industry experts to share research and explore innovation in business and management.

Keynote speakers included Dr. Muhammad Shehryar Shahid (LUMS) and Mr. Zeshan Qureshi (CEO, Sparx Smartphones), who shared insights on leadership and emerging trends. Dr. Hammad Naveed, Pro-Rector UCP, emphasized the importance of research-led impact in academia.

The conference featured research presentations, a case study competition sponsored by Sparx Smartphones, and hands-on workshops including Simulation Training by Dr. Nuno Arroteia (UK) and SAP-ERP Training by Certify Me.

The success of the event was supported by sponsors Sparx Smartphones, MNBEC, and TechnoGroove, making ICIBM 2025 a valuable experience for all participants.





## Conference Organized by FOL



### 4th International Conference on Navigating the Legal Challenges of Cybersecurity and Forensic Evidence in the Digital Era

The 4th International Conference on "Navigating the Legal Challenges of Cyber Security and Forensic Evidence in the Digital Era", organized by the Faculty of Law, was held on April 24–25, 2025. The event served as an important platform for legal scholars, professionals, and students to discuss the growing complexities of cybersecurity and digital forensics.

The conference encouraged meaningful discussions on evolving legal frameworks, digital evidence handling, and policy-making in the digital age. It played a significant role in promoting legal awareness and strengthening preparedness for future challenges.

Insightful. Collaborative. Transformative. The event was a step forward in bridging the gap between technology and law.





## Conference Organized by FHSS



### International Conference on Contemporary Challenges for Democracy (IC3D) 2025

The Department of Political Science and International Relations, Faculty of Humanities and Social Sciences, is organizing the International Conference on Contemporary Challenges for Democracy (IC3D) on April 23–24, 2025, at the University of Central Punjab. The conference aims to explore critical themes such as electoral authoritarianism, democratic backsliding, and economic inequality in democratic societies.

Led by Prof. Dr. Khalid Manzoor Butt, Dean FHSS, the event is coordinated by Dr. Waheed Khan, with Mr. Mehran Iqbal serving as Secretary. IC3D provides a valuable platform for researchers and practitioners to present their ideas, engage in meaningful dialogue, and collaborate on strengthening democratic governance in today's complex global landscape.





## Symposium Organized by FMHC



### 2nd Media Symposium – 2025

The Faculty of Media and Mass Communication (FMHC) at UCP successfully organized the 2nd Media Symposium on June 17, 2025, under the theme “Contemporary Journalism Practices in the Post-Truth Era: Ethics, Responsibility, and the Way Forward.” The event brought together renowned media professionals, academics, and students for a meaningful discussion on journalism ethics and challenges in the digital age.

Dr. Hammad Naveed, Pro-Rector UCP, graced the occasion as Chief Guest. Keynote speakers included Mr. Fahd Husain, Mr. Habib Akram, Dr. Kaiser Rafiq, Mr. Asad Baig, and other top journalists and media leaders. The symposium was led by Prof. Dr. Fawad Baig (Dean FMHC) and Dr. Atif Ashraf (HoD), and coordinated by a passionate team of faculty members.

The presence of faculty and media experts from various universities and TV channels made the event even more valuable.





# Memorandum of Understanding MOUs

## MOU between UCP & Fast Cables Ltd.



University of Central Punjab and Fast Cables Limited have signed a Memorandum of Understanding, to expand sustainability-focused research, innovation, and industry-academia collaboration. The agreement was formally signed by Mr. Muhammad Usman Sheikh, Chief Commercial Officer (CCO) of Fast Cables Limited, and Dr. Hammad Naveed, Pro-Rector, during a ceremony attended by academic and industry representatives. As part of this collaboration, Fast Cables Limited has launched two merit-based awards to promote academic excellence and sustainability.

## MOU between UCP & TCN Executive Forum



University of Central Punjab has signed an MoU with TCN Executive Forum to promote collaboration in industry, research, and capacity-building. This partnership aims to bridge the gap between academia and industry, offering students real-world experience and supporting faculty development. Both institutions will move forward with joint initiatives focused on practical learning and community growth.

## MOU between UCP & NESPAK



The University of Central Punjab (UCP) signed an MoU with NESPAK to strengthen academia-industry collaboration. The meeting, chaired by Prof. Dr. Hammad Naveed (Pro-Rector), included UCP engineering leadership and NESPAK officials.

Key areas of cooperation include internships, training, joint technical projects, faculty placements, and collaboration on UCP's 3rd International Civil Engineering Conference. UCP also invited NESPAK employees to join its postgraduate programs, while both parties agreed to engage UCP faculty in NESPAK's commercial R&D projects.

## MOU between UCP & Haier Pakistan



UCP signed an MoU with Haier Pakistan to strengthen industry-academia collaboration. The partnership aims to provide students with internships, placements, industry visits, workshops, and mock interviews, enhancing their professional readiness.

The MoU was signed by Dr. Muhammad Athar Siddiqui (Dean, Faculty of Management) and Mr. Farhan Mahmood (Director HR, Haier Pakistan), along with Mr. Wang Wang Chaoqun (HRBP, China). Mr. Muhammad Usman Ahmed (Manager, Career Services Office) and Mr. Habib ur Rehman (Manager, Talent Acquisition) signed as official witnesses.

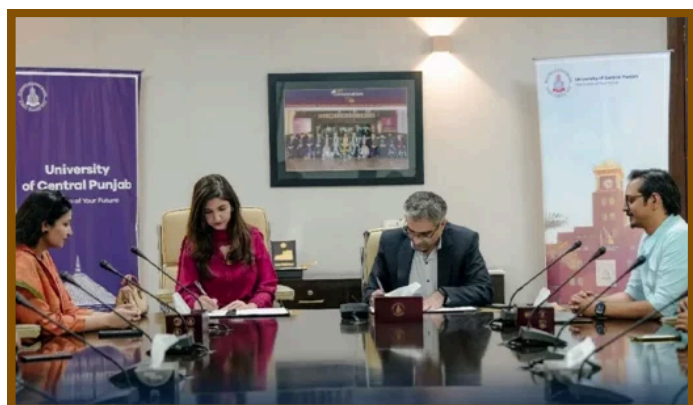
# Memorandum of Understanding MOUs

## MOU between FHSS & SPROUT Resource Center



Department of Psychology Department, FOHSS has signed a Memorandum of Understanding with SPROUT Resource Center. This collaboration aims to facilitate internship opportunities for students and promote academic cooperation between the two organizations. Through this partnership, students will gain hands-on experience in the field, enhancing their practical skills and boosting their employability.

## MOU between FOST & Aesthetics Lab



Department of Microbiology, FOST and Aesthetics Lab have signed a Memorandum of Understanding, marking a significant collaboration aimed at enhancing academic and clinical training for Medical Laboratory Technologists. This collaboration will provide students with hands-on experience in aesthetic medicine, an emerging and dynamic field, allowing them to bridge academic knowledge with practical, real-world clinical skills.

## MOU between FLL & Shanghai International Studies



Faculty of Languages and Literature has signed a MOU with Shanghai International Studies University (SISU), China, to establish a Lab of languages, digital humanities and AI, and develop collaboration in research, students/teachers exchange, and integration of AI.

## MOU between UCP & Shalamar Hospital



University of Central Punjab has signed an MoU with Shalamar Hospital to create new opportunities for academic collaboration, clinical training, and research. As a not-for-profit tertiary care facility, Shalamar Hospital brings expertise across 25+ clinical specialties, backed by PMDC, CPSP, and Punjab Healthcare Commission accreditations, along with 24/7 emergency care, ICU services, private clinics and diagnostic facilities.



# Memorandum of Understanding MOUs

## MOU between Takhleeq & Pakistan Games



Takhleeq signed an MoU with Pakistan Games Collective to promote game development, innovation and entrepreneurship. This partnership will address industry issues through student-led startups and final-year projects. Both parties will organize seminars and engage in joint research and projects. A key feature of the MoU is its project-based approach, which requires no immediate legal or financial obligations.

## MOU between UCP & Dysol



University of Central Punjab has signed an MoU with Dysol Global Pvt Ltd to enhance student learning through internships, mentorships, and innovative opportunities. The collaboration includes internships, startup mentorship at Takhleeq Business Incubator, and joint initiatives in research, innovation, and funding. Both parties have agreed to resource sharing through seminars, publications, and development content.

## MOU between FOE & Creative Group



Faculty of Engineering has signed an MoU with the Creative Group of Companies to promote product localization, joint research projects, and training opportunities for engineering faculty and students. Creative Group delegation was also given a tour of UCP's Engineering labs and Space Research Center. The visit highlighted UCP's advanced labs and ongoing research and development in industrial automation and localized manufacturing.

## MOU between UCP & Pakistan Agile Education



University of Central Punjab has signed an MoU with Shalamar Hospital to create new opportunities for academic collaboration, clinical training, and research. As a not-for-profit tertiary care facility, Shalamar Hospital brings expertise across 25+ clinical specialties, backed by PMDC, CPSP, and Punjab Healthcare Commission accreditations, along with 24/7 emergency care, ICU services, private clinics and diagnostic facilities.

## IPs & Commercialization

### IPs Filed April-June, 2025

Sr. No.	Faculty Member's Name	Faculty	Title	IPs Type	IPs Filing Date
1	Dr. Huma Hameed	FOPS	Pharmaceutical emulgel preparation comprising lavender and methanol as API to treat broad spectrum acne, aging, acne scars, dark circles and to rejuvenate the skin.	Patent	12 May, 2025
2	Mr. Uzair Ahmad	FMMC	May Be	CopyRight	14 May, 2025
3	Dr. Muhammad Naveed	FOST	Computational and Biological Assesment of Polychlorinated Biphenyls Degradation (PCBs) using Green-synthesized Silver and Iron Bimetallic Nanoparticles from Schefflera actinophylla.	Patent	2 June, 2025
4	Dr. Muhammad Pervaiz	FOST	Conversation of waste plastic into sustainable hydrogen fuel by photocatalytic valorization	Patent	5 June, 2025
5	Dr. Muhammad Pervaiz	FOST	Production of hydrogen and its comparison with other fuel	Patent	5 June, 2025
6	Muhammad Asad Saeed	FOPS	Synthesis of Novel Roxadustat Zinc Salt	Patent	25 June, 2025
7	Munaza Ijaz,	FOST	Nanodiamond-Reinforced Electrospun Multilayer Dressing for infected Burn Wound Treatment	Patent	25 June, 2025
8	Dr. Huma Hameed	FOPS	Herbal Lozenges containing Fennel and Ginger as active ingredients for Dysmenorrhea	Patent	25 June, 2025

### IPs Examination Reports Submitted to IPO April-June, 2025

Sr. No.	Faculty Member's Name	Faculty	Title	IPs Type	IPs Filing Date
1	Dr. Muhammad Zaman	FOPS	Novel composition based Pharmaceutical Bilayer tablet of Sitagliptin and Valsartan	Patent	2 May, 2025
2	Dr. Syed Atif Mehdi	FOIT&CS	Cloud Seeding Kit for Drones	Patent	2 May, 2025
3	Dr. Muhammad Zaman	FOPS	Pharmaceutical Bilayer Tablet formulation and development with a novel composition	Patent	20 May, 2025
4	Dr. Sumaira Zaib	FOST	Development of need based smart hands for mute to convert sign language to voice	Patent	2 May, 2025



# ORIC's Strategic Role in Commercializing Research through Industrial Partnerships

## 1. Strategic review meeting on the awarded startups from the Punjab Innovation and Technology Expo 2025



UCP's Space Research Center (SRC) competed against more than **600 projects** from 70 institutions at the Punjab Higher Education Commission's PinTEX Expo 2025 and secured first place with their student-built satellite prototypes and a satellite ground station, a testament to STEM education led by **Dr. M. Kamran Saleem**. Following this victory, an award ceremony, attended by faculty members, researchers, and students, was arranged for the distribution of certificates and cash prizes to the SRC team. Senior university officials presented the **PHEC** first prize of **PKR 500,000**, which was awarded to individual students and researchers. This event highlighted UCP's research culture and its commitment to fostering the next generation of innovators in Pakistan's space sector.

The Office of Research, Innovation, and Commercialization (ORIC) at the University of Central Punjab (UCP) convened a strategic review meeting on **22.05.2025** on the awarded startups from the Punjab Innovation and Technology Expo 2025. The session focused on assessing the progress, feasibility, and commercialization of projects.

The participants included **Dr. Hammad Naveed** (Pro-Rector, UCP), **Prof. Dr. Muhammad Akhyar Farrukh** (Director ORIC), **Mr. Yaser Amir Awan** (Director Incubation, Takhleeq UCP), and faculty leads of the selected projects.



The innovators shared updates on their ventures' development. The meeting **reaffirmed UCP's commitment to nurturing innovation and research-driven entrepreneurship**. It concluded with a defined roadmap for ongoing mentorship, monitoring, and institutional support to ensure successful implementation of the supported projects.

# ORIC's Strategic Role in Commercializing Research through Industrial Partnerships

## 2. Visit of Delegation to explore commercialization



A delegation from Kyungdong University, South Korea, visited the University Of Central Punjab to explore commercial products developed by students of FOST, FOPS, and POE. The visit aimed to identify potential areas for joint research projects and strengthen international academic collaboration.



## 3. Centre of Food Innovation & Commercialization (COFIC)



The Centre of Food Innovation & Commercialization (COFIC) at the University of Central Punjab (UCP) serves as a dynamic platform aimed at transforming food-related research into commercially viable products and solutions. COFIC fosters collaboration between academia, industry, and entrepreneurs to drive innovation in the food sector.





# ORIC's Strategic Role in Commercializing Research through Industrial Partnerships

## 4. UCP ORIC Showcases Innovative Solutions at Rice Technology Asia Expo 2025



ORIC participated in the Rice Technology Asia Expo 2025. UCP Faculty members showcased innovative research and value-added food products aimed at enhancing food quality and promoting healthy consumption. **Dr. Muhammad Afzal** presented two key projects: **Herbal Essence Tea**, highlighting natural health benefits, and a research-based innovation on the enzymatic degradation of **aflatoxin to improve the quality and safety of rice**, addressing a critical issue in food security and export standards.



Alongside him, **Dr. Kanza Aziz Awan** presented a range of nutritious and consumer-friendly products, including **Apple Jam**, **Strawberry Jam**, **Cardamom Cordial**, and **Golden Crunch Granola**. These items emphasize local resource utilization and health-focused food innovation. Their participation reflects UCP's commitment to applied research, commercialization, and its active role in linking academia with industry needs.

## 5. Field Visit to Rana Rice Mills



On **May 15, 2025**, a delegation from ORIC and the FOST, led by **Dr. Muhammad Akhyar Farrukh**, conducted a strategic visit with the following objectives:

- Investigate aflatoxin & pesticide contamination.
- Conduct on-site testing.
- Enhance food safety measures.

The visit reflects UCP's commitment to food safety and sustainable agriculture through research and industry collaboration.

## 6. Field Visit to Skypower Pvt. Ltd



Delegation from UCP to Skypower Pvt. Ltd – **June 23, 2025**

The visit focused on exploring joint research opportunities in:

- Automation in renewable energy
- Biofertilizers development
- Biofuels and green energy solutions



## Industry-Academia Linkages

The Faculty Industry Placement Program (FIPP) 2025 at the University of Central Punjab (UCP) is an initiative designed to strengthen academia-industry linkages by embedding faculty members into real-world industrial environments. Through this program, UCP faculty gain hands-on exposure to corporate operations, strategic workflows, and practical challenges faced by industries, allowing them to align academic instruction with current market needs.

During such visits, discussions are held around internship programs, research partnerships, and curriculum development to bridge the gap between theoretical learning and industrial application.

### Faculty-Industry Engagement Meeting on Thursday, June 13, 2025

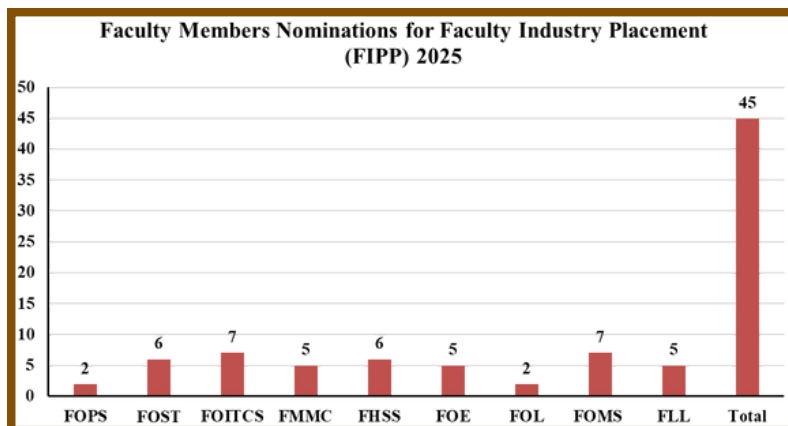


On June 13, 2025, ORIC at UCP held the first pre-placement meeting under the Faculty Industry Placement Program (FIPP) to promote collaboration with **Siemens Pakistan Engineering Co. Ltd.** and **ML Bench (Pvt.) Ltd.** Faculty members engaged with industry representatives to explore joint research, faculty placements, and student opportunities.

### Faculty-Industry Engagement Meeting on Thursday, June 19, 2025



On **June 19, 2025**, ORIC at UCP hosted a Faculty-Industry Engagement Meeting to strengthen collaboration with **Vital Petroleum (Pvt.) Ltd.** and **Dafi Labs Pvt. Ltd.** The session focused on aligning faculty expertise with industry needs in engineering and emerging technologies.



This experience helps bridge the gap between academia and industry, enriches teaching methods, and ensures that academic content remains relevant to market needs. The program also opens doors for future collaborations, internships, and research partnerships between the university and industry partners.



Key participants included **Mr. Ahmad Azhar** and **Mr. Ashfaq Ahmed** from **Siemens**, and **Mr. Qazi Ammar Arshad** from **ML Bench**. The session was attended by **Pro-Rector Dr. Hammad Naveed**, **Director ORIC Prof. Dr. Muhammad Akhyar Farrukh**, and faculty from **FOIT&CS**, **FOE**, **FOMS**, and **FMMC**, marking a significant step toward practical academia-industry collaboration.



**Mr. Moaz Ali (Vital Petroleum)** discussed fabrication challenges and the demand for engineering skills, while **Mr. Muhammad Waqas (Dafi Labs)** highlighted innovations in blockchain and AI. The event brought together UCP leadership, ORIC, and faculty from IT, Engineering, and Management, paving the way for impactful joint research and industry-driven innovation.

## Entrepreneurship & Startups



**Summer Course:**  
**Entrepreneurship: From Idea to Startup Launch**

Sponsored by: ORIC UCP in collaboration with industry.  
Duration: Two Weeks (10 Days, 2-3 hours per session)

**Eligibility:**  
Anyone interested in launching a business – students, researchers, early-career professionals, aspiring entrepreneurs.

**Fee:**  
Rs.10,000/-

**Training Goals:**  
To enable participants to:  
• Conceive & validate a viable business idea.  
• Navigate legal, regulatory, and intellectual property challenges.  
• Understand commercialization models and startup funding.  
• Gain hands-on experience in developing & standardizing real products.

**Starting Date:** August 11, 2025 **Last Date for Registration:** July 31, 2025

**Learning Outcomes:**  
By completing this course, participants will be able to:  
• Develop a market-validated business idea.  
• Navigate legal and regulatory requirements confidently.  
• File patents and protect trademarks.  
• Commercialize and scale a product effectively.

**Follow Us**

UNIVERSITY OF CENTRAL PUNJAB

The Office of Research, Innovation and Commercialization (ORIC) at UCP, in collaboration with industry partners, is offering a two-week certified course to help aspiring entrepreneurs turn ideas into startups.

**Course Fee:** Rs. 10,000

Discounts available for Fall 2025 applicants and current chemistry students.



**Training Modules**

**Week 1: Strategy, Legal Framework, & Market Readiness**

**Day 1:**  
From Idea to Business – Entrepreneurial Thinking & Opportunity Recognition

- What is Entrepreneurship?
- Entrepreneurial Mindset & Startup Culture in Pakistan
- Problem Identification and Market Needs
- Business Idea Generation and Validation
- Customer Discovery and Target Market Analysis
- Feasibility Checklist and Initial Cost Estimate

**Day 2:**  
Legal Business Setup in Pakistan

- Choosing a Business Structure: Sole Proprietor, Partnership, Pvt. Ltd.
- Step-by-Step Company Registration with SECP
- Registering NTN, Opening Bank Account, Tax Compliance
- Startup Incentives and Government Schemes

**Day 3:**  
Understanding Product Compliance & Standards

- What are Product Standards?
- Overview: PQCA, FDA, ISO, and GMP Standards
- Certification Needs for Chemicals & Body Care Products
- Navigating Licensing for Regulated vs. Non-Regulated Items
- How to Apply for PQCA License (if needed)

**Day 4:**  
Branding and Intellectual Property Protection

- Creating Your Brand Identity: Name, Logo, Packaging
- Types of IP: Patents, Trademarks, Copyrights, Trade Secrets
- Trademark Registration Process with IPO Pakistan
- Best Practices for Protecting Your Brand in Digital & Physical Markets

**Day 5:**  
Patent Filing and Real-World Examples

- What Qualifies as a Patent in Chemical & Personal Care Products
- Step-by-Step Guide to Writing and Filing Patents (Pakistan IPO)
- Examples of Patentable Innovations in Formulations
- Patent Search Tools and Strategy

**Week 2: Commercialization, Partnerships and Practical Product Development**

**Day 6:**  
Commercialization Strategies & University-Industry Models

- Introduction to Commercialization: What & Why
- Models:
- Licensing Agreements
- Spin-offs
- Joint Ventures / Public-Private Partnerships
- Direct Sales & E-commerce
- Case Studies: Qatarada, Oxford Nanopore, etc.
- Role of Universities in Entrepreneurship: IP Offices, Incubators

**Day 7:**  
Go-to-Market Strategy & Marketing Essentials

- Developing a Launch Strategy
- Costing, Pricing, and Positioning
- Marketing Channels for Startups (Social Media, Events)
- Designing Promotional Materials & Packaging
- Introduction to E-commerce Platforms & Digital Sales Tools

**Day 8-11: Practical Training – Product Development: Lab to Commercial Scale**

**Day 8:**  
Formulation Basics – Body Care and Chemical Products

- What are Product Standards?
- Overview: PQCA, FDA, ISO, and GMP Standards
- Certification Needs for Chemicals & Body Care Products
- Navigating Licensing for Regulated vs. Non-Regulated Items
- How to Apply for PQCA License (if needed)

**Day 9:**  
Equipment, Tools and Scaling Up

- Introduction to Small-Scale and Industrial Equipment
- Batch vs. Continuous Production
- Practical Demonstration: Blending, Mixing, Heating, Filling
- Cost Estimates and Supplier Mapping

**Day 10:**  
Product Testing and Quality Assurance

- In-house Quality Control (QC) Checks
- Physical and Chemical Tests: pH, Clarity, Viscosity, Microbial
- Standard Operating Procedures (SOPs) for Production
- Case: Converting Lab Formula into Industrial Recipe

**Day 11:**  
Packaging, Labeling, and Mock Production

- Labeling Requirements & Safety Info
- Regulatory Texts (e.g., Ingredients, expiry, batch number)
- Choosing Packaging Materials (PET, glass, pouches)
- Mock Assembly Line Simulation & Feedback Session

The program includes 10 sessions covering business validation, IP and legal frameworks, commercialization, startup funding, and hands-on product development. It's open to students, researchers, professionals, and startup enthusiasts.

**Last date to register:** July 31, 2025

Scan the QR code on the flyer to register and kickstart your entrepreneurial journey.

## Infrastructure & Core Facilities

### 1. ORIC-Led Initiative Explores Commercialization Opportunities in FOPS Research Labs



On June 4, 2025, Dr. Hammad Naveed (Pro-Rector) and Prof. Dr. Muhammad Akhyar Farrukh (Director ORIC & Research) visited the Faculty of Pharmaceutical Sciences under the supervision of Dean Prof. Dr. Mahtab Ahmed Khan to assess lab facilities for research commercialization and industry collaboration.

The leadership appreciated the advanced infrastructure and emphasized its potential for applied research. Plans are underway to open select labs to external partners at affordable rates, fostering innovation and academia-industry synergy.





## 2. ORIC-Led Initiative Explores Commercialization Opportunities in FOE Research Labs



The visit aimed to assess lab infrastructure for academic, research, and **industrial collaboration**. Leadership emphasized optimizing these resources and offering access to external stakeholders at affordable rates.

**Heads of Departments** and faculty members actively **participated in the discussions**, reaffirming UCP's commitment to innovation, applied research, and stronger industry-academia partnerships.

As part of ORIC's strategic efforts to commercialize on-campus facilities, a high-level visit was conducted on **June 16, 2025**, by **Prof. Dr. Hammad Naveed** (Pro-Rector), **Dr. Muhammad Akhyar Farrukh** (Director ORIC & Research), and **Dr. Muhammad Rizwan Shad** (Dean FOE) to the advanced laboratories of **Civil, Mechanical, and Electrical Engineering** at UCP.



## 3. ORIC-Led Initiative Explores Commercialization Opportunities in FOST Research Labs



The visit aimed to **assess lab infrastructure** for potential academic consultancy, **collaborative R&D**, and industrial applications. Faculty members and department heads presented their facilities and discussed external utilization models. Research labs will now be made accessible to external partners at affordable rates—supporting innovation, industry-academia collaboration, and optimized resource sharing.

As part of UCP's ongoing commercialization strategy, the Office of Research, Innovation, and Commercialization (ORIC) led a high-level visit to the Faculty of Science and Technology (FOST) research labs on **June 24, 2025**.

**Prof. Dr. Hammad Naveed** (Pro-Rector), **Dr. Muhammad Akhyar Farrukh** (Director ORIC), and **Prof. Dr. Hafiza Rizwana Kausar** (Dean FOST) visited key labs across **Biotechnology, Biochemistry, Chemistry, Food Science, Microbiology, and Zoology**.





**Director ORIC/Patron:** Prof. Dr. Muhammad Akhyar Farrukh

**Designed By:** Faiza Qayyum Khan (Research Associate (Research))

**Data:**

1. Adeel Ahmad (Manager of Journal and Conferences)
2. Dr. Faiza Anum (Research Associate (FIPP & IAL))
3. Nagina Rafiq (Innovation & Commercialization)

**Follow Us**



Facebook



Instagram



Linkedin