



University of Central Punjab

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Faculty of Science & Technology (FOST)

▪ Journal Publications 2025

Sr. No.	Faculty Member's Name	Designation	Title of Publication	Name of Journal	HEC Category of Journal	Journal's Impact Factor
1.	Dr Hafiza Rizwana Kausar & Amal Majid	Dean	Anisotropic quark stars in the modified $f(Q, T)$ gravity: an application of the MIT bag model	The European Physical Journal Plus	W	2.9
2.	Dr Muhammad Akhyar Farrukh	Professor	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	W	3.2
3.	Dr Muhammad Akhyar Farrukh	Professor	Efficient adsorption and photocatalytic removal of hexavalent chromium using chitosan-functionalized graphene oxide-MnO ₂ nanocomposite	International Journal of Biological Macromolecules	W	8.5
4.	Dr Muhammad Akhyar Farrukh	Professor	Advanced machine learning algorithms for accurate prediction of band gaps in rare earth metal oxide nanoparticles	ES Energy and Environment	Other than	Non-Impact Factor
5.	Dr Muhammad Akhyar Farrukh	Professor	Investigating the properties of cubic and hexagonal Nd ₂ O ₃ nanoparticles for optics & energy storage material: experimental and DFT approach	Solid State Communications	W	2.4
6.	Dr Muhammad Akhyar Farrukh	Professor	Green synthesized (curcuma longa) Ni nanoparticles doped chitosan and PEG for wound healing and anti-bacterial activity	International Journal of Biological Macromolecules	W	8.5



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7.	Dr Muhammad Akhyar Farrukh	Professor	In-situ synthesis of polyethylene glycol-assisted combined semiconductor metallic oxides nanocomposite for solar cell, supercapacitor, photocatalytic, and antibacterial applications	Ceramics International	W	5.6
8.	Dr Muhammad Akhyar Farrukh	Professor	Evaluation of the preservative efficacy of green-synthesized ZnO nanoparticles using cucumis sativus in cream formulations	Environmental Progress & Sustainable Energy	W	2.3
9.	Dr Muhammad Akhyar Farrukh	Professor	Structural elucidation and environmental remediation potential of ficus carica mediated synthesis of novel Eu ₃ O ₄ /rGO nanocatalyst	Materials Science and Engineering: B	W	4.6
10.	Dr Muhammad Akhyar Farrukh	Professor	Biochar and GO doped biochar powder for photocatalysis, adsorption, and latent fingerprint detection	Journal of Water Process Engineering	W	6.7
11.	Dr Muhammad Akhyar Farrukh	Professor	Pristine and green synthesis of Fe ₂ O ₃ and CuO nanoparticles using allium CEPA for photocatalytic and antibacterial applications	Journal of the Iranian Chemical Society	W	2.3
12.	Dr Muhammad Akhyar Farrukh	Professor	Assessing the impact of NaOH on green synthesis of zinc-based nanoparticles using onion extract and exploring their photocatalytic, antibacterial, and antioxidant potentials	ChemistrySelect	W	2
13.	Dr Shafiq Ur Rehman	Associate Professor	Comparative analysis of dye degradation methods: unveiling the most effective and environmentally sustainable approaches, a critical review	Reviews in Inorganic Chemistry	W	3.1
14.	Dr Shafiq Ur Rehman	Associate Professor	Green synthesis and eco-biological evaluation of Ag/Fe bimetallic nanoparticles using vallis solanacea leaf extract targeting insecticide resistance.	Particuology	W	4.3



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15.	Dr Shafiq Ur Rehman & Dr. Sadia Zulfiqar	Associate Professor	Comparison and Physico-Chemical Characterization of wastewater from Quaid-e-Azam Industrial Estate, Lahore Pakistan.	Xi'an Shiyou Daxue Xuebao (Ziran Kexue Ban)/ Journal of Xi'an Shiyou University, Natural Sciences Edition (1673-064X)	Other than	Non-Impact Factor
16.	Dr Shafiq Ur Rehman	Associate Professor	Phytofabrication of TiO ₂ nanoparticles and their antibacterial efficacy: a study using Cucumis sativus and Raphanus sativus	Digest Journal of Nanomaterials and Biostructures	W	1.3
17.	Dr Shafiq Ur Rehman & Dr. Sadia Zulfiqar	Associate Professor	Phytoconstitutive integration of moringa oleifera in a polyherbal shampoo matrix: formulation, optimization, and multifactorial evaluation	Xi'an Shiyou Daxue Xuebao (Ziran Kexue Ban)/ Journal of Xi'an Shiyou University, Natural Sciences Edition (1673-064X)	Other than	Non-Impact Factor
18.	Dr Shafiq Ur Rehman	Associate Professor	Computational and Experimental Exploration of Di-Iodo-Based Schiff Bases as Esterase Inhibitors: Single Crystal and Spectral Insights	Journal of Physical Organic Chemistry	W	1.8
19.	Dr Shafiq Ur Rehman & Dr. M. Naveed	Associate Professor	Elucidation of Bacterial-Mediated Hesperidin transformation, structural evaluation, and computational drug targeting against helicobacter pylori	Molecular Biotechnology		2.5
20.	Dr Shafiq Ur Rehman	Associate Professor	Design and synthesis of hybrid Mo-doped Bi ₂ O ₃ nanomaterials as an efficient electrode for high-performance supercapacitors	Electrochimica Acta	W	5.6
21.	Dr. Khalida Naseem	Associate Professor	Bioinorganic metal nanoparticles and their potential applications as antimicrobial, antioxidant and catalytic agents: a review	Reviews in Inorganic Chemistry	W	3.1



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22.	Dr. Khalida Naseem	Associate Professor	Comparative analysis of dye degradation methods: unveiling the most effective and environmentally sustainable approaches, a critical review	Reviews in Inorganic Chemistry	W	3.1
23.	Dr. Khalida Naseem	Associate Professor	Cutting-edge metal-organic frameworks: revolutionizing the adsorptive removal of pharmaceutical contaminants from water	Reviews in Inorganic Chemistry	W	3.1
24.	Dr. Khalida Naseem	Associate Professor	Mango peel bio-actives for the fabrication of inorganic metal nanoparticles and their potential for wastewater treatment	Water, Air, & Soil Pollution	W	3
25.	Dr. Khalida Naseem	Associate Professor	ON/OFF Switchable smart Poly(N-isopropylacrylamide) based hybrid nanocatalyst for the response surface methodology based catalytic reduction of 2-Nitroaniline	ChemistrySelect	W	2
26.	Dr. Khalida Naseem	Associate Professor	A polyurethane-based composite hydrogel as functional support for metal nanoparticles: an efficient catalyst and antibacterial agent	JOM	W	2.3
27.	Dr. Khalida Naseem	Associate Professor	Cobalt nanoparticles loaded poly(methyl methacrylate) nanocomposite hydrogels for the catalytic reduction of rhodamine B; a toxic dye	Journal of Inorganic and Organometallic Polymers and Materials	W	4.9
28.	Dr. Khalida Naseem	Associate Professor	Inorganic nanoparticles fabricated in poly(methyl methacrylate-acrylic acid) hydrogels as efficient catalyst for the reduction of dyes: A RSM study	Polyhedron	W	2.6
29.	Dr. Khalida Naseem	Associate Professor	Fabrication of multifaceted alpha-alumina nanoparticles: exploring bioactive and photocatalytic properties	BioNanoScience	X	3.2



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30.	Dr. Khalida Naseem	Associate Professor	Harnessing the potential of green synthesized Co-Fe-ZnS nanocomposites for successive solar-driven degradation of amoxicillin, hydrogen production, and CO ₂ reduction: Optimization of reaction parameters by response surface methodology	Sustainable Materials and Technologies	W	9.2
31.	Dr. Khalida Naseem	Associate Professor	Immunomodulatory role of gut microbiota in autoimmune disorders and the advancement of gut microbiota based therapeutic strategies	Microbial Pathogenesis	W	3.5
32.	Dr. Khalida Naseem	Associate Professor	Successive evaluation of the green synthesized rare earth metal oxide CeO ₂ nanoparticles for the photo-induced degradation of methylene blue and CO ₂ photoreduction: optimization of the reaction parameters by RSM-CCD model	Journal of the Taiwan Institute of Chemical Engineers	W	6.3
33.	Dr Amina Arif	Associate Professor	Plant secondary metabolites inhibit cancer by targeting epidermal growth factor receptor (EGFR): an updated review on their regulation and mechanisms of action	Asian Pacific Journal of Cancer Biology	Other than	Non-Impact Factor
34.	Dr Amina Arif	Associate Professor	Hemochromatosis and hepatic complications: a comprehensive review of molecular mechanisms, diagnostics, and emerging therapeutics	Current Molecular Medicine	W	2.5
35.	Dr Amina Arif	Associate Professor	Phytochemistry, therapeutic potential and computational analysis of cucumis melo L. compounds against mycoplasma pneumoniae protein	Journal of Chemistry	W	2.6
36.	Dr Amina Arif	Associate Professor	Phytochemical investigations and pharmacological potential of organic extracts of calotropis gigantea L. leaves	Scientifica (2090-908X)	X	3.1
37.	Dr Amina Arif	Associate Professor	Efficacy of intralesional bleomycin sclerotherapy injection in children with cystic hygroma	Frontier in Medical and Health Research	Other than	Non-Impact Factor



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38.	Dr Amina Arif	Associate Professor	Role of cinnamon compounds in glycemic control and diabetes management	Frontier in Medical and Health Research	Other than	Non-Impact Factor
39.	Dr Amina Arif	Associate Professor	Phytochemical and pharmacological potential of solanum nigrum: a concise review	Acta Biologica Slovenica	Other than	Non-Impact Factor
40.	Dr Amina Arif	Associate Professor	Incidence of antimicrobial-resistant escherichia coli in uropathogenic infections: an emerging therapeutic dilemma	Frontier in Medical and Health Research (3007-1593)	Other than	Non-Impact Factor
41.	Dr Salma Batool	Associate Professor	Green synthesis and biological applications of peganum harmala mediated copper oxide nanoparticles	Journal of Molecular Structure	W	4.7
42.	Dr Salma Batool	Associate Professor	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	W	2.5
43.	Dr Salma Batool	Associate Professor	Pisum sativum L. peel extract based biogenic silver nanoparticles as antibiotic adjuvants to reverse multidrug resistance in bacteria	Current Pharmaceutical Biotechnology	W	2.6
44.	Dr Salma Batool	Associate Professor	Anti-inflammatory alkaloids targeting IL-1 against respiratory viral infections: a special insight into drug development against SARS-CoV-2	Mini-Reviews in Organic Chemistry	W	2.3
45.	Dr Salma Batool, Hira Mubeen & Izzah Shahid	Associate Professor	Enhancing the therapeutic potential of FDA-approved ifosfamide and 5-fluorouracil through rational chemical modifications for endometrial cancer treatment	Medical Oncology	W	3.5
46.	Dr Salma Batool	Associate Professor	Natural products, synthesis, and biological activities of quinolines (2020-2024)	Mini-Reviews in Medicinal Chemistry	W	3.3
47.	Dr Salma Batool	Associate Professor	A comprehensive review on plant-based fluorophores and their diverse applications	Mini-Reviews in Organic Chemistry	W	2.3



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48.	Dr Shazia Imtiaz Nagra & Sadia Zulfiqar	Principal Lecturer	Characterization and performance metrics of a novel polyherbal shampoo containing bioactive components	Xi'an Shiyou Daxue Xuebao (Ziran Kexue Ban)/Journal of Xi'an Shiyou University, Natural Sciences Edition	Other than	Non-Impact Factor
49.	Dr Sumera Zaib	Professor	Therapeutic chemoresistance in ovarian cancer: emerging hallmarks, signaling mechanisms and alternative pathways	Current Medicinal Chemistry	W	4.1
50.	Dr Sumera Zaib	Professor	Identification of potential inhibitors targeting yellow fever virus helicase through ligand and structure-based computational studies	Journal of Biomolecular Structure and Dynamics	W	2.4
51.	Dr Sumera Zaib	Professor	Mutational analysis of consanguineous families and their targeted therapy against dwarfism	Journal of Biomolecular Structure and Dynamics	W	2.4
52.	Dr Sumera Zaib	Professor	Neuroprotective role of epigallocatechin-3-gallate, albeginin and melanoxetin in alzheimer's disease	Phytomedicine Plus	Other than	Non-Impact Factor
53.	Dr Sumera Zaib	Professor	Cyclopentyl-linked N-acylthioureas as promising urease inhibitors: insights from in vitro Bioassay, structure-activity relationships and computational analysis	Acta Chimica Slovenica (ACSi)	W	1.73
54.	Dr Sumera Zaib	Professor	Discovery of isatin-thiazole conjugates as potent urease inhibitors; synthesis, biochemical screening and computational studies	Future Medicinal Chemistry	W	4.7
55.	Dr Sumera Zaib	Professor	Exploring the therapeutic potential of <i>Kirkia tenuifolia</i> Engl. stem bark extract and its bioactive compounds through experimental and computational approaches	Scientific Reports	W	3.8
56.	Dr Sumera Zaib	Professor	Synthesis, in vitro and in silico investigations of coumarin-benzamide hybrid molecules as urease inhibitors	Journal of Saudi Chemical Society	W	5.8



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57.	Dr Sumera Zaib	Professor	Effects of different concentrations of bismuth molybdate as an electrocatalyst for water splitting and antibacterial activity	Microscopy Research and Technique	W	2.1
58.	Dr Sumera Zaib	Professor	Discovery of furan-tethered triazolothiadiazoles and triazolothiadiazines as potent tyrosinase inhibitors for the treatment of skin diseases: insights from kinetics data and computational modeling	Current Medicinal Chemistry	W	4.1
59.	Dr Sumera Zaib	Professor	Synthesis, in vitro and in vivo evaluation, and computational modeling analysis of thioxothiazolidine derivatives as highly potent and selective α -amylase inhibitors	European Journal of Medicinal Chemistry	W	5.9
60.	Dr Sumera Zaib	Professor	Discovery of bis-chalcones and bis-pyrimidines as potential urease inhibitors: from synthesis to computational insights	Future Medicinal Chemistry	W	4.76
61.	Dr Sumera Zaib	Professor	Isolation and characterization of an insulin-like protein from moringa oleifera and estimation of its antidiabetic potential	ChemistrySelect	W	2
62.	Dr Sumera Zaib	Professor	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	4.7
63.	Dr Nadeem Ullah	Assistant Professor	AI-driven in silico discovery, design, and evaluation of novel antiviral candidates targeting Marburg virus nucleoprotein for advanced therapeutic development	Letters in Drug Design & Discovery	W	1.6
64.	Dr Nadeem Ullah	Assistant Professor	Tree ring studies of pinus wallichiana and pinus roxburghii for climate reconstruction in ghora galli murree	Haya: The Saudi Journal of Life Sciences	Other than	Non-Impact Factor



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65.	Dr Muhammad Perviaz	Associate Professor	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	2.4
66.	Dr Muhammad Perviaz	Associate Professor	Thermodynamics and reduction kinetics of Iron(III) Benzohydroxamic acid complex by Hydroxylamine Hydrochloride	Journal of the Chemical Society of Pakistan	W	0.6
67.	Dr Muhammad Perviaz	Associate Professor	New 1,2,3-Benzotriazole-based thiourea analogues: Synthesis, alpha-glucosidase, urease activities and molecular docking study	Chemical Data Collections	X	2.7
68.	Dr Muhammad Naveed	Professor	Global, regional and national burden of dietary iron deficiency from 1990 to 2021: a global burden of disease study	Nature Medicine	W	50
69.	Dr Muhammad Naveed	Professor	Designing IL-24-P18 fusion protein through Computational Engineering for targeted Breast Cancer Therapy	Journal of Computational Biophysics and Chemistry	W	2.3
70.	Dr Muhammad Naveed	Professor	Synergistic effects of vitamin C and curcumin in mitigating buprofezin-induced toxicity in non-target animal species	Cogent Food & Agriculture	W	2.3
71.	Dr Muhammad Naveed	Professor	Development of a broad-spectrum multiepitope vaccine against dabie bandavirus through immunoinformatic approaches	International Immunopharmacology	W	4.7
72.	Dr Muhammad Naveed	Professor	Whole-Genome analysis of Bacillus subtilis MBBL2 genomic characterization and comparative genomics	Functional & Integrative Genomics	W	3.1
73.	Dr Muhammad Naveed	Professor	In silico Modeling and molecular cloning of reteplase in a prokaryotic system	Journal of Computational Biophysics and Chemistry	W	2.3



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74.	Dr Muhammad Naveed	Professor	Artificial neural network optimized green synthesis of cysteine-conjugated silver nanoparticles for antibacterial activity against staphylococcus nepalensis to combat cystitis	Antonie van Leeuwenhoek	W	1.8
75.	Dr Muhammad Naveed	Professor	Metabolite characterization of probiotic enterococcus Faecium for targeting Salmonella Entrica gut bacteria causing gastroenteritis	Antonie van Leeuwenhoek	W	1.8
76.	Dr Muhammad Naveed	Professor	Exploring genetic linkage between rheumatoid arthritis and systemic lupus erythematosus through biological networks and prioritizing omega-3 fatty acids as a potent therapeutic	Allergologia Immunopathologia	Et Y	2.1
77.	Dr Muhammad Naveed	Professor	Identification of the common pathogenesis of Alzheimer's and nonalcoholic fatty liver disease and exploration of their relationship with immune cells	Allergologia Immunopathologia	Et Y	2.1
78.	Dr Muhammad Naveed	Professor	Computational drug design of novel compounds from thymus vulgaris extract as promising Candidates for Lyme disease therapy: Targeting the OpsC Protein through structure-based approaches	Chinese Journal of Analytical Chemistry	W	1.3
79.	Dr Muhammad Naveed	Professor	Elucidating DENND5A as a therapeutic target for hepatocellular Carcinoma with integrative insights from spatial transcriptomics and molecular docking approaches	Journal of Computational Biophysics and Chemistry	W	2.3
80.	Dr Muhammad Naveed	Professor	Molecular characterization and green synthesis of iron oxide nanoparticles from Ureibacillus chungkukjangi for methylene blue degradation	Antonie van Leeuwenhoek	W	1.8
81.	Dr Muhammad Naveed	Professor	Comparative in-silico analysis of enzymatic azo dye degradation using laccase, tyrosinase, and peroxidase from Grifola frondosa	AATCC Journal of Research	W	1.2



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82.	Dr Muhammad Naveed	Professor	Molecular simulation and expression analysis of vitamin C and curcumin in mitigating buprofezin-induced genotoxicity and inflammatory responses in Balb/c Mice	Cell Biochemistry and Biophysics	W	2.1
83.	Dr Muhammad Naveed	Professor	Combining network pharmacology and computational approaches for screening of apiaceae-derived phytochemicals as inhibitors of DNA polymerase III in streptococcus pyogenes causing streptococcal toxic shock syndrome	Chinese Journal of Analytical Chemistry	W	1.3
84.	Dr Muhammad Naveed	Professor	In silico insights into anthraquinone dye degradation by Flavobacterium sp. 9AF peroxidase and hydrolase	AATCC Journal of Research	W	1.2
85.	Dr Muhammad Naveed	Professor	Computational exploration of natural inhibitors against toxin-associated proteins in Naegleria fowleri Karachi strain	Pathology - Research and Practice	W	3.2
86.	Dr Muhammad Naveed	Professor	Evaluating the competencies of nitrate reductase from Pichia angusta for driving environmental sustainability via computational biodegradation of nitroglycerin	Bioremediation Journal	W	1.4
87.	Dr Muhammad Naveed	Professor	Biosynthesis of cysteine-conjugated zinc oxide nanoparticles using secondary metabolites of bacillus licheniformis for wastewater purification	Desalination and Water Treatment	W	1
88.	Dr Muhammad Naveed	Professor	Marine drug design for epitheliocytis rendering AI-assisted bioisosteric replacement of Salicin	Journal of Fish Diseases	W	2.2
89.	Dr Muhammad Naveed	Professor	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	W	4.4



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90.	Dr Muhammad Naveed	Professor	In silico investigation of ketamine and methylphenidate drug-drug conjugate for MDD and ADHD treatment using MD simulations and MMGBSA	Scientific Reports	W	3.8
91.	Dr Muhammad Naveed	Professor	Computational design of a multi epitope vaccine against staphylococcus warneri for combatting recurrent UTIs and skin infections	Molecular Biotechnology	W	2.5
92.	Dr Muhammad Naveed	Professor	Molecular characterization and investigating the potential of georgenia satyanarayanai as an effective agent in pesticide biodegradation pathways	Molecular Biotechnology	W	2.5
93.	Dr Muhammad Naveed	Professor	Using novel approaches to conjugate peptides of macrotermes bellicosus and curcuma longa for targeted intervention of irritable bowel diseases caused by tumor necrosis factor superfamily member 15 (TNFSF15)	Molecular Immunology	W	3
94.	Dr Muhammad Naveed	Professor	Investigating the enzymatic breakdown capability: A comparative study of Aeromonas caviae-derived enzymes in countering the toxicity of phenolic compounds via different approaches	Particuology	W	4.3
95.	Dr Muhammad Naveed	Professor	Exploring how microbial extracellular metabolites drive nanoparticle synthesis: A bioinformatics approach	BioNanoScience	X	3.2
96.	Dr Muhammad Naveed	Professor	Comprehensive characterization and bioactivity assessment of titanium dioxide nanoparticles synthesized using chrysanthemum indicum leaf extract	Chemistry & Biodiversity	W	2.5
97.	Dr Muhammad Naveed	Professor	Exploring the therapeutic potential of Thymus vulgaris ethanol extract: a computational screening for antimicrobial compounds against COVID-19 induced mucormycosis	Scientific Reports	W	3.8



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98.	Dr Muhammad Naveed	Professor	Rational computational design and development of an immunogenic multiepitope vaccine incorporating transmembrane proteins of <i>Fusobacterium necrophorum</i>	Scientific Reports	W	3.8
99.	Dr Muhammad Naveed	Professor	Recent progress in wastewater treatment: Exploring the roles of zero-valent iron and titanium dioxide nanoparticles	Indus Journal of Bioscience Research	Y	Non-Impact Factor
100.	Dr Muhammad Naveed	Professor	Computational design of a glycosylated multi-epitope vaccine against HAsV-1 and HAsV-2 astrovirus for acute gastroenteritis	Scientific Reports	W	3.8
101.	Dr Muhammad Naveed	Professor	Development of a novel multiepitope vaccine against Menangle virus (MenV) using in-silico approaches by targeting its transmembrane proteins	Scientific Reports	W	3.8
102.	Dr Muhammad Naveed	Professor	Author Correction: An in silico approach uncovering the competency of oncolytic human adenovirus 52 for targeted breast cancer virotherapy	Scientific Reports	W	3.8
103.	Dr Muhammad Naveed	Professor	Elucidating the synergistic role of hybrid peptide from <i>Burkholderia cepacia</i> enzymes in biodegradation of polycyclic aromatic hydrocarbons	Scientific Reports	W	3.8
104.	Dr Muhammad Naveed	Professor	Deciphering paraquat remediation pathways by <i>Pseudomonas</i> sp. FEN through computational insights	Molecular Biotechnology	W	2.5
105.	Dr Muhammad Naveed	Professor	Synthesis of iron oxide nanoparticles from madhuca indica plant extract and assessment of their cytotoxic, antioxidant, anti-inflammatory, and anti-diabetic properties via different nanoinformatics approaches	ACS Omega	W	4.3



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106.	Dr Muhammad Naveed	Professor	Exploration of mRNA-modifying METTL3 oncogene as momentous prognostic biomarker responsible for colorectal cancer development	Open Medicine	W	1.6
107.	Dr Muhammad Naveed	Professor	Unlocking the potential of plant gums: bioinformatics-driven insights into green synthesis and applications of metal-based nanoparticles	International Journal of Biological Macromolecules	W	8.5
108.	Dr Muhammad Naveed	Professor	Redefining a new frontier in alkaptonuria therapy with AI-driven drug candidate design via in-silico innovation	Zeitschrift für Naturforschung C	W	2.1
109.	Dr Muhammad Naveed	Professor	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 für Naturforschung C	W	2.1
110.	Dr Muhammad Naveed	Professor	Computational drug design for neurosyphilis disease by targeting phosphoglycerate kinase in <i>treponema pallidum</i> with enhanced binding affinity and reduced toxicity	Scientific Reports	W	3.8
111.	Dr Muhammad Naveed	Professor	Adefovir anticancer potential: Network pharmacology, anti-proliferative and apoptotic effects in HeLa cells	Biomolecules and Biomedicine	W	2.2
112.	Dr Muhammad Naveed	Professor	Whole proteome analysis of MDR <i>klebsiella pneumoniae</i> to identify mRNA and multiple epitope based vaccine targets against emerging nosocomial and lungs associated infections	Journal of Biomolecular Structure and Dynamics	W	2.4
113.	Dr Muhammad Naveed	Professor	Innovative approach of high-throughput screening in the drug discovery quest for chronic bronchitis treatment	Journal of Computational Biophysics and Chemistry	W	2.4



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114.	Dr Muhammad Naveed	Professor	Insight into molecular and mutational scrutiny of epilepsy associated gene Gabrg2 leading to novel computer-aided drug designing	Scientific Reports	W	3.8
115.	Dr Muhammad Naveed	Professor	Elucidation of bacterial-mediated hesperidin transformation, structural evaluation, and computational drug targeting against helicobacter pylori	Molecular Biotechnology	W	2.5
116.	Dr Muhammad Naveed	Professor	Genomic profiling of pediococcus acidilactici BCB1H and identification of its key features for Biotechnological innovation, food technology and medicine	Scientific Reports	W	3.8
117.	Dr Muhammad Naveed	Professor	Green synthesis and eco-biological evaluation of Ag/Fe bimetallic nanoparticles using vallaris solanacea leaf extract targeting insecticide resistance	Particuology	W	4.3
118.	Dr Muhammad Naveed	Professor	Exploring the phytochemical profile, antioxidant activity, and anticancer potential of Achillea millefolium extracts: In-vitro and in-silico investigation	South African Journal of Botany	W	2.7
119.	Dr Muhammad Naveed	Professor	In-vitro and in-vivo assessments of greenly synthesized iron oxide nanoparticles from cascabela thevetia plant extract for the treatment of ventricular septal defect	South African Journal of Botany	W	2.7
120.	Dr Muhammad Naveed	Professor	Fragment optimized chalcone derivatives targeting OmpA protein as a therapeutic approach against multidrug resistant acinetobacter baumannii	Scientific Reports	W	3.8
121.	Dr Muhammad Naveed	Professor	Scrutinizing the evidence of anthracene toxicity on adrenergic receptor beta-2 and its bioremediation by fungal manganese peroxidase via in silico approaches	Scientific Reports	W	3.8



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122.	Dr Muhammad Naveed	Professor	Exploration of alcohol dehydrogenase EutG from <i>Bacillus tropicus</i> as an eco-friendly approach for the degradation of polycyclic aromatic compounds	Scientific Reports	W	3.8
123.	Dr Muhammad Naveed	Professor	Computational and GC-MS screening of bioactive compounds from <i>thymus vulgaris</i> targeting mycolactone protein associated with Buruli ulcer	Scientific Reports	W	3.8
124.	Dr Muhammad Naveed	Professor	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	Journal of Computational Biophysics and Chemistry	W	2.3
125.	Dr Muhammad Naveed	Professor	Comparative analysis of the degradation potential of enzymes obtained from <i>Escherichia coli</i> against toxicity of VAT dyes through molecular docking	Desalination and Water Treatment	W	1
126.	Dr Muhammad Naveed	Professor	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	W	2.3
127.	Dr Muhammad Naveed	Professor	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	W	2.3
128.	Dr Muhammad Naveed	Professor	Exploring the potential application of peroxidase enzyme from <i>acinetobacter baumannii</i> as an eco-friendly agent for the bioremediation of the highly noxious pyrethroid compounds through molecular docking analysis	Biomass Conversion and Biorefinery	W	4.1



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129.	Dr. Hira Mubeen & Madiha Khan	Associate Professor	Toxicity assessment of doxycycline-aided artificial intelligence-assisted drug design targeting candidate 16S rRNA methyltransferase gene	BMC Pharmacology and Toxicology	W	2.7
130.	Dr. Hira Mubeen & Asma Zafar	Associate Professor	Purification and characterization of a laccase enzyme produced by co-culturing of locally isolated aspergillus niger and Aspergillus oryzae	Pakistan Journal of Botany	W	0.9
131.	Dr. Hira Mubeen	Associate Professor	Frequency of alpha Thalassemia in pregnant women with Microcytic Hypochromic Anemias	Journal of Haematology and Stem Cell Research (JHSCR)	Y	Non-Impact Factor
132.	Dr. Hira Mubeen & Madiha Khan	Associate Professor	Antimicrobial resistance: Challenges and innovative solutions	New Emirates Medical Journal	Other than	Non-Impact Factor
133.	Dr. Hira Mubeen	Associate Professor	A call to action for global solutions to air quality crisis: Urgent actions and innovative solutions needed	Journal of the Air & Waste Management Association	W	2.2
134.	Dr Asma Zafar & Ammara Masood	Associate Professor	Cloning, purification, and functional characterization of recombinant pullulanase from Bacillus cereus ATCC 14579 for improved detergent performance	Journal of Surfactants and Detergents	W	1.8
135.	Dr Izzah Shahid	Assistant Professor	Plant mineral microbe interactions	Frontiers in Microbiology	W	4.5
136.	Dr Izzah Shahid	Assistant Professor	Biocontrol potential of Bacillus sp. against indigenous fungal phytopathogens of potato and sugarcane	Archives of Phytopathology and Plant Protection	X	1
137.	Dr Izzah Shahid	Assistant Professor	Pyrrolnitrin is integral for antimicrobial activity and phenazine biosynthesis of Pseudomonas chlororaphis strains	World Journal of Microbiology and Biotechnology	W	4.2



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138.	Dr Izzah Shahid	Assistant Professor	Assessment of anticancer and antimicrobial potential of bioactive metabolites and optimization of culture conditions of pseudomonas aurantiaca PB-St2 for high yields	Environmental Microbiology and Biotechnology (EMB)	W	3.1
139.	Dr Babar Hussain	Associate Professor	Genome-wide characterization highlights key roles for bread wheat MLO genes in powdery mildew and abiotic stresses	Rice	W	5
140.	Dr Sadaf Hameed	Assistant Professor	Fabrication of camptothecin loaded casein nanoparticles for the treatment of colorectal cancer through targeted drug delivery	Journal of Drug Delivery Science and Technology	W	4.9
141.	Dr Sadaf Hameed	Assistant Professor	Unveiling a growing concern: Naegleria fowleri's emergence as a brain-eating threat	Disaster Medicine and Public Health Preparedness	W	1.8
142.	Dr Kanza Aziz Awan	Associate Professor	Synergistic impact of multi-frequency ultrasound on sea buckthorn juice fermentation: A holistic study on bioactive compounds, micromorphology, sensory quality, and computational evidence	Ultrasonics Sonochemistry	W	9.7
143.	Dr Kanza Aziz Awan	Associate Professor	Therapeutic power of date fruit (Phoenix dactylifera L.): A nutrient-rich superfood for holistic health and disease prevention	Food Science & Nutrition	W	3.8
144.	Dr Kanza Aziz Awan	Associate Professor	Integration of non-invasive and conventional systems for quality assessment and authentication of meat stuffs: A review with bibliometric analysis	Food Chemistry: X	W	8.2
145.	Dr Kanza Aziz Awan	Associate Professor	Synergistic enhancement in the mulberry juice's antioxidant activity by using lactic acid bacteria co-culture fermentation	Scientific Reports	W	3.8



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146.	Dr Kanza Aziz Awan	Associate Professor	Restorative potential of Phoenix dactylifera fruit and extract against oxidative stress mediated cardiac dysfunction in rodent experimental modeling	Journal of Functional Foods	W	4
147.	Dr Sanabil	Assistant Professor	Technological advancements in carotenoid-based encapsulated systems: Emerging trends in health-promoting benefits and their role in nutrient delivery	eFood	X	5.7
148.	Dr Sanabil	Assistant Professor	Fermentation-Engineered Sea buckthorn and monk fruit beverage exhibiting antioxidative potential and cytotoxic activity against HepG2 cancer cells	Journal of Food Science	W	3.3
149.	Dr Sanabil	Assistant Professor	Restorative potential of phoenix dactylifera fruit and extract against oxidative stress mediated cardiac dysfunction in rodent experimental modeling	Journal of Functional Foods	W	4
150.	Dr Sanabil	Assistant Professor	Development of eco-friendly chitosan films incorporated with pomelo peel (Citrus Paradisi cv. Changshanhuoyou) extract and application to prolong the shelf life of grapes	International Journal of Biological Macromolecules	W	8.5
151.	Dr Sanabil	Assistant Professor	Harnessing plant defense: elicitors, hormones and immunity-driven production of medicinally valuable secondary metabolites	South African Journal of Botany	W	2.7
152.	Dr Sanabil	Assistant Professor	Micro-nutrient sufficiency in mothers and babies: management of deficiencies while avoiding overload during pregnancy	Frontiers in Nutrition	W	5.1
153.	Dr Sanabil	Assistant Professor	Investigating the impact of lactic acid bacteria fermentation on the phytochemical composition, antioxidant and functional properties, and sensory attributes of monk fruit sweetened sea buckthorn beverage	Journal of Food Measurement and Characterization	W	3.3



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154.	Dr Sanabil	Assistant Professor	Effect of bi-culture fermentation on the phenolic content and quality of sea buckthorn-based cereal beverage	Journal of Food Science and Technology	W	3.3
155.	Dr Sanabil	Assistant Professor	Investigating the triple-frequency ultrasound-assisted fermented rice lees: Impact on physicochemical, structural, morphological, and metabolic properties	Ultrasonics Sonochemistry	W	9.7
156.	Dr Sumaira Sharif	Assistant Professor	Statistical learning for high-dimensional data: A comprehensive approach to dimensionality reduction in machine learning	Metallurgical and Materials Engineering	Other than	Non-Impact Factor
157.	Dr Muhammad Sajid Manzoor	Assistant Professor	Prediction of water status during freeze drying with genetic and whale algorithms of machine learning	International Journal of Refrigeration	W	3.8
158.	Dr Muhammad Sajid Manzoor	Assistant Professor	Impact of ginger and aloe vera on total phenolic content and quality parameters of noncarbonated drink during storage	Journal of Food and Agricultural Technology Research	Y	Non-Impact Factor
159.	Dr Muhammad Akhtar	Assistant Professor	Valorization of pomegranate and banana by-products into value-added products: Influence on physicochemical, rheological, and consumer attributes	Indus Journal of Bioscience Research	Y	Non-Impact Factor
160.	Dr Muhammad Akhtar	Assistant Professor	Sustaining meat quality and shelf-life: comparative review of packaging techniques and their nutritional implications	Indus Journal of Bioscience Research	Y	Non-Impact Factor
161.	Dr Muhammad Akhtar	Assistant Professor	Sustainable packaging strategies and temperature influence on the shelf stability of chicken barfi	Indus Journal of Bioscience Research	Y	Non-Impact Factor



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162.	Dr Muhammad Akhtar	Assistant Professor	Synergistic effect of citric acid and ascorbic acid in antimicrobial packaging films for extending the shelf life of fresh produce	Indus Journal of Bioscience Research	Y	Non-Impact Factor
163.	Dr Muhammad Akhtar	Assistant Professor	Measurement and characterization of sugarcane juice quality, nutrient retention and enhancing shelf life with cold preservation methods	Journal of Food Measurement and Characterization	W	3.3
164.	Dr Muhammad Akhtar	Assistant Professor	Nutritional strategies for enhancing skin microbiome health: a review of diet and dermatological outcomes	The Research of Medical Science Review	Y	Non-Impact Factor
165.	Dr Muhammad Akhtar	Assistant Professor	Development and sensorial acceptability of sustainable and nutrient-dense date juice	ACADEMIA International Journal of Social Sciences	Y	Non-Impact Factor
166.	Dr Muhammad Akhtar	Assistant Professor	Non-communicable diseases (NCDs) in mothers and negative outcomes of pregnancy: A narrative review	Physical Education Health and Social Sciences	Y	Non-Impact Factor
167.	Dr Muhammad Akhtar	Assistant Professor	The effect of probiotic supplementation on gut microbiota composition and digestive health in healthy adults	Frontier in Medical and Health Research	Other than	Non-Impact Factor
168.	Dr Zain Ul Abadin Zafar	Associate Professor	Numerical modeling and simulation of stochastic fractional order kernel model for COVID-19 infection in mittag-leffler kernel	Scientific Reports	W	3.8
169.	Dr Zain Ul Abadin Zafar	Associate Professor	Numerical analysis of the SEIR epidemic model with fractional order	Computational Methods for Differential Equations	X	Non-Impact Factor
170.	Dr. Zain Ul Abedin	Assistant Professor	Comparative analysis of capsicum annuum from Pakistan using HPLC, FTIR and GC-MS in powdered form and solvent extracts	Journal of Food Measurement and Characterization	W	3.3



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171.	Dr Shahid Saeed Siddiqui	Professor	Predicting molecular properties using adjacency matrix powers and atomic number sequences	Chemical Engineering Science	W	4.3
172.	Dr Shahid Saeed Siddiqui	Professor	A comparison of optimizers in a PyTorch based artificial neural network to predict normal boiling points of alkanes	Journal of the National Science Foundation of Sri Lanka	W	0.4
173.	Dr Abdul Rauf Nizami	Professor	Novel descriptors for the prediction of molecular properties	Open Chemistry	W	1.9
174.	Dr Muhammad Rayees Ahmad	Assistant Professor	A computational diagnostic model for infectious diseases via similarity measures on N-framed plithogenic hypersoft sets	Alexandria Engineering Journal	W	6.8
175.	Dr Sadia Zulfiqar	Assistant Professor	Phytoconstitutive integration of moringa oleifera in a polyherbal shampoo matrix: Formulation, optimization, and multifactorial evaluation	Xi'an Shiyou Daxue Xuebao (Ziran Kexue Ban)/ Journal of Xi'an Shiyou University, Natural Sciences Edition	Other than	Non-Impact Factor
176.	Dr Sadia Zulfiqar	Assistant Professor	Characterization and performance metrics of a novel polyherbal shampoo containing bioactive components	Xi'an Shiyou Daxue Xuebao (Ziran Kexue Ban)/ Journal of Xi'an Shiyou University, Natural Sciences Edition	Other than	Non-Impact Factor
177.	Dr Sadia Zulfiqar	Assistant Professor	Bioinspired metal complexes as catalysts: Bridging enzymatic and synthetic pathways for green chemistry	Global Research Journal of Natural Science and Technology	Y	Non-Impact Factor



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178.	Dr Sadia Zulfiqar	Assistant Professor	Correlation of adiposity with serum parathyroid and hypovitaminosis d among female population of Lahore	Xi'an Shiyou Daxue Xuebao (Ziran Kexue Ban)/ Journal of Xi'an Shiyou University, Natural Sciences Edition	Other than	Non-Impact Factor
179.	Dr Aatif Amin	Associate Professor	Evaluation of Indoleamine 2,3-Dioxygenase (IDO) expression in osteosarcoma: Insights from a 10-year retrospective cohort	OncoTargets and Therapy	W	4.3
180.	Dr Aatif Amin	Associate Professor	Microbial resilience in arid soils: Ecological responses to drought and salinity stress	Current Microbiology	W	2.6
181.	Dr Aatif Amin	Associate Professor	In Vitro and In Vivo antimicrobial activity of Melia azedarach-mediated copper oxide nanoparticles against multidrug-resistant Klebsiella pneumoniae	Current Microbiology	W	2.6
182.	Dr Aatif Amin	Associate Professor	Global health preparedness: lessons from covid-19 and future threats	Riphah Journal of Allied Health Sciences (RJAHS)	Y	Non-Impact Factor
183.	Dr Aatif Amin	Associate Professor	Efficacy of Lacticaseibacillus rhamnosus probiotic strains in treating chromate induced dermatitis	Scientific Reports	W	3.8
184.	Dr Mohsin Gulzar Barq	Assistant Professor	Evaluation of the antimicrobial activity of Chlorella vulgaris against MDR bacteria isolated from Diabetic wound pus samples	Allied Medical Research Journal	Y	Non-Impact Factor
185.	Dr Madiha Khan	Associate Professor	Immunomodulatory role of gut microbiota in autoimmune disorders and the advancement of gut microbiota based therapeutic strategies	Microbial Pathogenesis	W	3.5



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186.	Dr Madiha Khan	Associate Professor	Smart nanofibers in wound healing: exploring novel combinations and applications	Current Drug Delivery	W	3
187.	Dr Madiha Khan	Associate Professor	Multifunctional electrospun nanofiber films of polyacrylonitrile and polyvinyl alcohol incorporating rhamnase and therapeutic agents for enhanced healing of infected burn wounds	Journal of Biomaterials Science, Polymer Edition (ISSN: 1568-5624)	W	3.6
188.	Dr Nazish Rubab	Associate Professor	Influence of Vasyliunas-cairns distributed non-thermal cold and hot electrons on the electron acoustic mode: a kinetic theory based exact numerical analysis	The European Physical Journal Plus	W	2.9
189.	Dr Nazish Rubab	Associate Professor	Revisiting bump-on-tail instability in reduced cairns and reduced vasyliunas-cairns distributed plasmas	Contributions to Plasma Physics	W	1.5
190.	Dr Tahira Shujah	Assistant Professor	Bifunctional properties of silver and polyvinylpyrrolidone modified multi-phase MnO ₂ for enhanced RhB degradation and DNA gyrase/DHFR targeted bactericidal potential	Materials Chemistry and Physics	W	4.7
191.	Dr Tahira Shujah	Assistant Professor	Efficient catalytic and antimicrobial activity of polyvinylpyrrolidone-capped silver oxide with molecular docking analysis	Journal of the Indian Chemical Society	W	3.4
192.	Dr Tanzeela Riaz	Associate Professor	Recent advances in the synthesis of thiadiazine derivatives through multicomponent reactions	Synthetic Communications	W	1.8
193.	Dr Tanzeela Riaz	Associate Professor	Recent progress in multicomponent reactions for the synthesis of thiophene derivatives	Synthetic Communications	W	1.8



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194.	Dr Tanzeela Riaz	Associate Professor	Comparative efficacy of cymbopogon winterianus essential oil and nanoemulsion as a sustainable biopesticide to control tribolium castaneum: effect on biomolecules of insect and seed germination	Journal of Stored Products Research	W	2.8
195.	Dr Tanzeela Riaz	Associate Professor	Formulation and evaluation of syzygium aromaticum essential oil nanoemulsion: effects on tribolium castaneum, wheat growth, and molecular docking for pest control	Brazilian Journal of Science	Other than	Non-Impact Factor
196.	Dr Tanzeela Riaz	Associate Professor	Advanced strategies for detection and diagnosis of potato viruses: Harnessing molecular innovations and digital tools for precision agriculture	Hosts and Viruses	Other than	3
197.	Dr Nimra Afzal	Assistant Professor	Spatial distribution, characterization and ecological risk assessment of microplastic pollution in different environmental matrices of river Ravi, Pakistan	International Journal of Environmental Research	W	3.5
198.	Dr Nimra Afzal	Assistant Professor	Bisphenol S-induced endocrine disruption and reproductive anomalies	Toxicology and Environmental Health Sciences	X	1
199.	Dr Nimra Afzal	Assistant Professor	Antibacterial effect of silver nanoparticles From withania coagulans (Indian Rennet) Against bacterial pathogens of broiler chicken	Chemistry & Biodiversity	W	2.5
200.	Dr Dilawar Hussain	Assistant Professor	Improvement in performance of Rohu (Labeo rohita) fingerlings fed with isocaloric and isonitrogenous pumpkin seed Meal Based diet	Pakistan Journal of Zoology	Other than	Non-Impact Factor
201.	Dr Dilawar Hussain	Assistant Professor	Comparative study on the digestive enzyme activities, hematology and histopathology in wild and farmed labeo rohita	Journal of Zoology and Systematics	Y	Non-Impact Factor



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202.	Muhammad Saad Tariq Mirza	Senior Lecturer	First-principles calculations to investigate the structural, elastic, electronic, magnetic, and optical properties of rare-earth perovskites $QInO_3$ ($Q = Nd, Dy$) for optoelectronic applications	Radiation Physics and Chemistry	W	3.3
203.	Muhammad Saad Tariq Mirza	Senior Lecturer	Oxygen defects in Mg-doped $SrNbO_3$ perovskites: structural insights, electrical behavior, and thermal analysis for energy conversion and storage applications	International Journal of Quantum Chemistry	W	2
204.	Muhammad Saad Tariq Mirza	Senior Lecturer	High-pressure computational analysis of $CsCdF_3$: Structural stability, electronic transitions, and thermodynamic properties	Physics Letters A	W	2.6
205.	Usama Ghafoor	Associate Lecturer	New applications of the Caputo fractional derivative to obtain numerical solution of the coupled fractional Korteweg–de Vries model using quintic B-spline functions	FRACTALS-COMPLEX GEOMETRY PATTERNS AND SCALING IN NATURE AND SOCIETY	W	2.9
206.	Usama Ghafoor	Associate Lecturer	Effectual quintic B-spline functions for solving the time fractional coupled Boussinesq–Burgers equation arising in shallow water waves	Open Physics	W	1.8
207.	Iqra Jamil	Lecturer	Artificial intelligence in medical laboratory technology: A game changer for quality control & compliance	Chronicles of Biomedical Sciences	Other than	Non-Impact Factor
208.	Iqra Jamil	Lecturer	Revolutionizing diagnostics with artificial intelligence: current innovations, challenges, and future horizons	Chronicles of Biomedical Sciences	Other than	Non-Impact Factor



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209.	Iqra Jamil	Lecturer	Revolutionizing drug discovery: the transformative role of artificial intelligence in modern medicine	Kashf Journal of Multidisciplinary Research	Y	Non-Impact Factor
210.	Iqra Jamil	Lecturer	Transforming histopathology with artificial intelligence: enhancing diagnosis, prognosis, and personalized care	Multidisciplinary Surgical Research Annals	Y	Non-Impact Factor
211.	Iqra Jamil	Lecturer	Integrating rapid diagnostics, AI technologies, and omics approaches for sepsis management and antimicrobial stewardship	Journal of Medical & Health Sciences Review	Y	Non-Impact Factor
212.	Iqra Jamil	Lecturer	Emerging antimicrobial resistance in typhoid fever: challenges in diagnosis and treatment	Journal of Medical & Health Sciences Review	Y	Non-Impact Factor
213.	Iqra Jamil	Lecturer	Burkholderia cepacia complex and septic transfusion reactions: an in-depth review	Journal of Haematology and Stem Cell Research (JHSCR)	Y	Non-Impact Factor