

CALL FOR PAPERS

The Jinnah University for Women, Karachi, Pakistan, proudly announces the 5th International Conference on Biological Research and Applied Science (IBRAS-2025), scheduled for January 21 - 23, 2025, in a hybrid format, offering both virtual and in-person participation. IBRAS-2025 aims to accelerate scientific discovery and innovation by providing a platform for interdisciplinary dialogue, ultimately contributing to regional and global development. Since its inception in 2021, IBRAS has become a premier annual conference, attracting leading experts, researchers, and industry professionals in the fields of Biological, Chemical, and Physical Sciences. Building on the successes of its previous editions, IBRAS-2025 will feature a diverse range of technical tracks, including Botany, Biochemistry, Biotechnology, Chemistry, Computer Science, Food Science, Microbiology, Mathematics, and Zoology. Attendees can look forward to a rich program, including keynote speeches by internationally renowned scientists, invited talks, oral and poster presentations, as well as hands-on workshops and tutorials. For details and past highlights, visit <https://ibras.juw.edu.pk/>.

CONFERENCE DATES: JANUARY 21-23, 2025

IBRAS-2025 invites submissions of original, unpublished research in the form of extended abstracts or poster presentations. We welcome contributions across a broad spectrum of topics within the Biological and Applied Sciences, including:

Revolutionary Approaches in Biochemistry

Research and Innovation in Biotechnology

Emerging Infections and Natural Therapeutics

Impact of Climate Change on Agricultural Production

Recent Advances in Pure and Applied Mathematics

Innovation in Chemical Sciences

Emerging Trends in Computing

Zooniverse 2025: Exploring the Technology and Advances in Fauna

Current Practices in Food Sustainability, Security & Health

SUBMISSION DEADLINE

October 30, 2024

ACCEPTANCE NOTIFICATION

December 10, 2024

Extended abstract of at least 600 words in length excluding references (4-6) can be submitted. All abstracts received will be reviewed on the basis of scientific merit, novelty, and practical application. Due to the limited slots available, only the best abstracts will be selected. The abstracts will be published online as an abstract book with DOI numbers.

For further details and extended abstract submission, please visit: <http://ibras.juw.edu.pk> or call: +92-336-2148470

Conference Secretariat

Faculty of Science

Jinnah University for Women

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(Ext: 247)

PRE-CONFERENCE ACTIVITIES: JANUARY 17-18, 2025

1 - DAY TUTORIALS

Foundations of AI for Biological Research

Nutritional Therapies for Weight Management

1 - DAY HANDS-ON WORKSHOPS

Plant Cell and Tissue Culture Technique

Practical Applications of ELISA in Clinical and Research Settings

Participant Type	National		International	
	Physical	Online	Physical	Online
Author (Student)	PKR 2500	PKR 1500	\$50	\$50
Author (Faculty Member/ Industry Professional)	PKR 3500	PKR 2500	\$50	\$50
Poster Presentation (Female Participants Only)	PKR 1000	N/A	\$25	N/A
Tutorial/Workshop (Female Participants Only)	PKR 1000	N/A	\$25	N/A

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CONFERENCE TRACKS

REVOLUTIONARY APPROACHES IN BIOCHEMISTRY

Metabolomics, Proteomics and Protein Engineering, CRISPR and Next-Generation Genome Editing, Epigenetics and Regulation of Gene Expression, Bioinformatics, Diagnostic Biomarkers, Drug Discovery, Precision Medicine and Nutraceuticals, Neurosciences, Enzyme Technology, Nanotechnology and Biomaterials.

RESEARCH AND INNOVATION IN BIOTECHNOLOGY

Bioinformatics and Biocomputing, Stem Cells and Cancer Research, Tissue Engineering, Protein Engineering, Nanobiotechnology, Biofuels and Bio-refineries, Bioremediation, Transgenic Technology, Cell Signaling Technology.

EMERGING INFECTIONS AND NATURAL THERAPEUTICS

Natural Antimicrobial Agents, Microbial Pathogenesis and Host Response, Trends in Antimicrobial Resistance, Molecular Basis of Infectious Disease Progression.

CURRENT PRACTICES IN FOOD SUSTAINABILITY, SECURITY & HEALTH

Dietary Interventions for Chronic Disease Management, Food Fraud and Challenges, Climate Change and Food Systems, Novel Preservation and Packaging Technology, Artificial Intelligence (AI) in the food industry.

INNOVATION IN CHEMICAL SCIENCES

Nanotechnology and Forensic Sciences, Recent Advances in Thermodynamics, Environmental Sustainability, Catalyst and Synthesis, Waste Water Treatment, Computational Chemistry, Natural Products and Medicinal Chemistry.

EMERGING TRENDS IN COMPUTING

Data Science, Block Chain Technology, Smart Cities, Human-centered Computing, Computer Vision, Augmented Reality, Natural Language Processing, Deep Learning, Cyber-physical Systems.

ZOONVERSE 2025: EXPLORING THE TECHNOLOGY AND ADVANCES IN FAUNA

Marine Zoology, Aquaculture and Fisheries, Entomology, Parasitology, Hematology, Animal Ecology, Wildlife, Agricultural techniques.

IMPACT OF CLIMATE CHANGE ON AGRICULTURAL PRODUCTION

Climate variability, Yield reduction, Elevated temperature, Adaptation, Climate and crop modeling, Sustainable production and Climate-smart agriculture.

RECENT ADVANCES IN PURE AND APPLIED MATHEMATICS

Algebra, Analysis, Real, Complex, Functional, Applied Mathematics, Biomathematics, Business Mathematics, Graph Theory, Lie Theory, Numerical Analysis, ODE & PDE, Differential Geometry, Actuarial Mathematics, Statistics & Probability Theory.

INTERNATIONAL PEER REVIEWERS

Prof. Dr. Muhammad Farooq	Sultan Qaboos University - Al-Khoud	Oman
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Prof. Dr. Nessar Ahmed	Manchester Metropolitan University	UK
Prof. Dr. Mariusz Mojzych	University of Siedlce	Poland
Prof. Dr. Rakib Efendiev	Baku Engineering University	Azerbaijan
Prof. Dr. M. Ahmed Mesaik	University of Tabuk	Saudi Arabia
Prof. Dr. Osman Asghar Mirza	University of Copenhagen	Denmark
Dr. Ahmed Bahaa	Microsoft Regional Director - Cairo	Egypt
Dr. Rukhsana Nawaz	UAE University - Al Ain	UAE
Dr. Syed M. Shahid	Eastern Institute of Technology - Auckland	New Zealand
Dr. Saima Jalil Imran	University of Padua Medical School	Italy
Dr. Balakrishnan Nair	Auckland University of Technology	New Zealand
Dr. Hafiz Ansar Rasul Suleria	University of Melbourne	Australia
Dr. Juveria Siddiqui	University of Toronto	Canada
Dr. Haider A. Khwaja	University at Albany	New York
Dr. Ahmed Bilal	University of Melbourne	Australia
Dr. Osman Tuncay Agar	University of Melbourne	Australia

PATRON IN CHIEF

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Chancellor

PATRON

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Vice-Chancellor

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