



**3rd INTERNATIONAL CONFERENCE
ON BIOLOGICAL RESEARCH &
APPLIED SCIENCE
January 17-19, 2023**

**Jinnah University for Women
Karachi, Pakistan**



ABOUT CONFERENCE

The 3rd International Conference on Biological Research and Applied Sciences (IBRAS) organized by Jinnah University for Women, Karachi, Pakistan is scheduled to be held from January 17 – 19, 2023. IBRAS is the prime annual event in the disciplines of Biological, Chemical and Physical Sciences having different technical tracks in all fields of Botany, Biochemistry, Biotechnology, Chemistry, Computer Science, Food Science, Microbiology and Zoology. This three-day international conference caters to research scientist, scholars and practitioners providing a forum to exchange ideas and experiences between academia and industry. The conference will be held in hybrid mode, that is both online and on-campus, to facilitate the researchers and to ensure maximum participation. The 1st and 2nd Conferences of this series were held in 2021 and 2022 with an average participation of 2000 delegates, an excellent lineup of international keynote speakers and 100+ oral presentations. Conference proceedings and glimpses are available at the website <https://ibras.juw.edu.pk/>.

RELEVANCE AND SCIENTIFIC SIGNIFICANCE

IBRAS provides a common platform for interaction with academicians, researchers and scientists from biological, chemical and physical sciences. It creates a network linkage of academic and non-academic professionals who discuss and disseminate novel research findings and breakthroughs. The conference helps to receive intelligent insights from the leading professionals, which can be a motivating factor for personal as well as professional growth for the students and young researchers.

CONFERENCE TRACKS

IBRAS-2023 will provide a premier interdisciplinary platform for researchers to present and discuss the most recent innovations, trends and practical challenges in the form of oral and/or poster presentation. Unpublished theoretical, empirical and scientific papers are solicited in the form of extended abstract on all topics related to Biological and Applied Sciences, including, but not limited to:

1. Recent Advances in Biotechnology
2. Research Progress in Medical and Industrial Biochemistry
3. Contemporary Research in Microbiology and Immunology
4. Innovations in Chemistry
5. Emerging Trends in Computing
6. Sustainable use of Bioresources in Green Economy
7. Recent Advances in Food Science and Technology
8. Zoology: Expand the Vision

CONFERENCE PROGRAM

DAY 1 (JANUARY 17, 2023)	
TIMINGS	SESSIONS
Muhammad Uzair Auditorium 10:00 am – 12:00 pm	INAUGURAL SESSION OF THE CONFERENCE
10:00 am - 10:10 am	Tilawat-e-Quran National Anthem of Pakistan
10:10 am - 10:20 am	Welcome Address by Ms. Wania Wajeih Registrar, Jinnah University for Women, Karachi
10:20 am - 10:50 am	Address by Chief Guest: Prof. Dr. Muhammed Saeed Quraishy Meritorious Professor of Surgery Vice Chancellor, Dow University of Health Sciences Karachi, Pakistan
10:50 am – 11:00 am	Virtual message by Prof. Dr. Atta-ur-Rahman FRS, N.I., H.I., S.I., T.I., Khwarizmi Laureate Meritorious Professor PCMD, ICCBS, Karachi, Pakistan
11:00 am – 11:15 am	Address by Mr. Wajeihuddin Ahmed Chancellor, Jinnah University for Women, Karachi
11:15 am – 11:30 pm	Shields Distribution by Chief guest
New Council Room 12:00 – 3:00 pm	SESSION I: Research Progress in Medical and Industrial Biochemistry <i>Organized by Department of Biochemistry</i> Join Zoom Meeting Meeting ID: 863 8488 6189 Password: 640667 Chair: Prof. Dr. Zulfiqar Ali Naqvi Department of Molecular Pathology Liaquat National Hospital and Medical College Karachi, Pakistan Co-Chair : Dr. Faraz Hussain Research Associate/Project Lead Neuromascular Lab, Department of Medicine, Faculty of Medicine and Dentistry University of Alberta Edmonton, Canada
12:00 – 12:10 pm	Welcome Address by: Dr. Aliya Riaz Chairperson Department of Biochemistry Jinnah University for Women
12:10 pm – 12:35 pm	Keynote Speaker: Prof. Dr. Rafat A. Siddiqui Food and Nutrition Science Laboratory, Agriculture Research Station, Virginia State University, USA “Role of Nutrigenetics and Nutrigenomics in Precision Nutrition”

12:35 – 1:00 pm	<p style="text-align: center;">Invited Speaker: Dr. Benjawan Yanwisetpakdee Microbial Biotechnology and Utilization of Natural Products Research Unit (MBUNPRU), Biology Program, Faculty of Science and Technology, SongkhlaRajabhat University, Thailand</p> <p style="text-align: center;">“Guidelines for utilization and processing of native Thai fruits for commercial usage.”</p>
1:00 – 1:25 pm	<p style="text-align: center;">Invited Speaker: Dr. Syed M. Shahid School of Health Science, Eastern Institute of Technology, Auckland, New Zealand</p> <p style="text-align: center;">“Digital Transformation of Medical & Health Care Industry in New Zealand: Opportunities & Challenges”</p>
1:25 – 1:35 pm	<p style="text-align: center;">Dr. Muhammad Bilal Azmi Department of Biochemistry, Dow Medical College, Dow University of Health Sciences</p> <p style="text-align: center;">“In silico analysis of missense deleterious mutations of human MBOAT4 gene and predicting their structural effects on protein dynamics”</p>
1:35 – 1:45 pm	<p style="text-align: center;">Dr. Mehreen Lateef Bahria University, Karachi</p> <p style="text-align: center;">“Exploration of Under Water Medicine Cabinets by determining the Nutraceutical potential of SargassumIllicifolium against Alzheimer's disease from Karachi Coast, Pakistan”</p>
1:45 – 1:55 pm	<p style="text-align: center;">Dr. Sadia Rehan Bahria University of Health Sciences, Karachi</p> <p style="text-align: center;">“Evaluation of serum oxidized LDLin hemodialysis patients as a risk factor of atherosclerosis”</p>
1:55 – 2:05 pm	<p style="text-align: center;">Ms Summan Thahiem Quaid-i-Azam University Islamabad</p> <p style="text-align: center;">“Inhibition of PTP1B Ameliorates Post Diabetic Neuro- and Nephropathy by Downregulation of NLRP3/AIM2 Inflammasome in Type II Diabetic Mice Model”</p>
2:05 – 2:15 pm	<p style="text-align: center;">Ms Anza Sana SZABIST, Karachi</p> <p style="text-align: center;">“Antioxidant potential of Lepidium sativum (garden cress) seed extracts: A comparative study”</p>
2:15 – 2:25 pm	<p style="text-align: center;">Ms Ammara Rafique Department of Biochemistry, University of Karachi</p> <p style="text-align: center;">“Effect of negative air ions on biochemical parameters and cognitive functions in cerebral palsy patients”</p>
2:25 – 2:35 pm	<p style="text-align: center;">Dr. Nida Sohail Department of Biochemistry, University of Karachi</p> <p style="text-align: center;">“In-Vivo evaluation of natural products against nephrotoxicity caused by Acetaminophen”</p>
2:35 – 2:45 pm	<p style="text-align: center;">Dr. Maria Azam Department of Biochemistry, University of Karachi</p> <p style="text-align: center;">“Ameliorative effect of Padinapavonia on Liver fibrosis by down-regulating inflammatory mediators”</p>
2:45 – 2:55 pm	<p style="text-align: center;">Ms Navera Rehan SZABIST, Karachi</p> <p style="text-align: center;">“Characterization and Antibacterial Activity of Zinc Oxide Nanoparticles Synthesized from D. melanogaster”</p>
2:55 – 3:10 pm	Q/A Session

<p style="text-align: center;">JUBIC 12:00 – 3:00 pm</p>	<p style="text-align: center;">SESSION II: Recent Advances in Biotechnology <i>Organized by Department of Biotechnology</i></p> <p style="text-align: center;">Join Zoom Meeting Meeting ID:820 1306 6840 Password:096952</p> <p style="text-align: center;">Chair: Prof. Dr. Rana BasemDajani Professor Biology and Biotechnology Department Hashemite University, Jordan</p> <p style="text-align: center;">Co-Chair : Dr. Beena Naqvi Senior Scientific Officer Biotechnology Laboratory PCSIR, Karachi, Pakistan</p>
<p style="text-align: center;">12:00 pm - 12:05 pm</p>	<p style="text-align: center;">Welcome Address by: Dr. Rashida R Zohra Associate Professor, Department of Biotechnology Jinnah University for Women</p>
<p style="text-align: center;">12:05 pm - 12:30 pm</p>	<p style="text-align: center;">Keynote Speaker: Prof. Dr. Kaneez Fatima-Shad School of Life Sciences, UTS, Ultimo, NSW, Australia “Calcium binding Proteins as Predictive Biomarkers for Vascular Disorders.”</p>
<p style="text-align: center;">12:30 pm - 12:55 pm</p>	<p style="text-align: center;">Keynote Speaker: Dr. Osman Asghar Mirza Department of Drug Design and Pharmacology Faculty of Health and Medical Sciences, University of Copenhagen, Denmark “Structure-function studies of nutrient transporters.”</p>
<p style="text-align: center;">12:55 pm - 1:20 pm</p>	<p style="text-align: center;">Keynote Speaker: Dr. Muhammad Haroon Shaikh Department of Internal Medicine II, University Hospital, Würzburg, Germany “Antigen presentation in acute graft-versus-host disease.”</p>
<p style="text-align: center;">1:20 pm - 1:35 pm</p>	<p style="text-align: center;">Invited Speaker: Dr. Sidra Pervez Shaheed Benazir Bhutto Women University, Peshawar, Pakistan “Utilization of Agricultural and Algal Feed Stocks for the Production of Various Biological Metabolites.”</p>
<p style="text-align: center;">1:35 pm - 1:50 pm</p>	<p style="text-align: center;">Invited Speaker: Dr. Habiba Rasheed Khyber Medical University (KMU), Peshawar, Pakistan. “Muscarinic Receptors and Memory Retrieval: Same Players, Different Grounds.”</p>
<p style="text-align: center;">1:50 pm – 2:00 pm</p>	<p style="text-align: center;">Ishrat Jamil KIBGE, University of Karachi, Karachi, Pakistan “Exploring Phylogenetic relationships in Malvaceae using sequence data of <i>matK</i> gene.”</p>
<p style="text-align: center;">2:00 pm - 2:10 pm</p>	<p style="text-align: center;">IqraRehman Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Jinnah University for Women, Karachi, Pakistan “Drug Designing, Synthesis and Biological Evaluation of Novel</p>

	Ciprofloxacin Analogues.”
2:10 pm - 2:20 pm	MehwishKalam Department of Biotechnology, Jinnah University for Women, Karachi, Pakistan “Isolation and Molecular Characterization of Multidrug resistant ESBL producing Pathogenic <i>Escherichia coli</i>.”
2:20 pm - 2:30 pm	ErajJaved Department of Bioinformatics, Sir Syed University of Engineering and Technology, Karachi, Pakistan “Antimicrobial resistance of Naegleria infections using the Naegleria genome and bioinformatics tools.”
2:30 pm - 2:40 pm	AyishaAmanullah Department of Biotechnology, Jinnah University for Women, Karachi, Pakistan “An <i>in vitro</i> assessment of antibacterial and hypolipidemic activity of lactic acid bacteria.”
2:40 pm – 2:50 pm	Shagufta Noreen Department of Biotechnology, Jinnah University for Women, Karachi, Pakistan “Bioremediation of textile effluent by using indigenous bacteria.”
2:50 pm – 3:05 pm	Q/A Session
3:05 pm – 3:20 pm	Success Story of Prof. Dr. Rana Dajani
3:20 pm – 3:30 pm	Vote of Thanks Ms. Ayisha Amanullah Chairperson Department of Biotechnology Jinnah University for Women
Video Conferencing Room (A-6) 12:00 pm – 2:00 pm	SESSION III: Sustainable use of Bioresources in Green Economy <i>Organized by Department of Botany</i> Join Zoom Meeting Meeting ID:82396488978 Password:12345 Chair: Bernadette Montanari PhD Ethnobiologist, Ethnobotanist Centre for Research in Anthropology ISCTE- University Institute of Lisbon Co-Chair: Dr. Hazel Monica M. Peralta Associate Professor College of Fisheries-Freshwater Aquaculture Centre Central Luzon State University Nueva Ecija, Philippines
12:00 pm - 12:05 pm	Welcome Address by: Prof. Dr. Rabia Badar Chairperson Department of Botany Jinnah University for Women
12:05 pm – 12:25 pm	Keynote Speaker: Dr. Kishwar Ali College of General Education, Al Tarafa, Doha Qatar “Assessment of Land Use Changes and its Possible Impact on the Floristic Diversity of Qatar: Climate Change and Biodiversity dynamics”
12:25 - 12:45 pm	Keynote Speaker: Dr. Muhammad Farooq Department of Plant Sciences

	College of Agricultural and Marine Sciences Sultan Qaboos University, Oman “Climate-smart opportunities for the sustainability of rice-wheat cropping system”
12:45 - 1:05 pm	Keynote Speaker: Dr. ShujaulMulk Khan Member Pakistan Academy of Sciences Associate Professor (Tenured) Department of Plant Sciences Quaid-e-Azam University, Islamabad, Pakistan “Future of our plantation in the climate change scenario”
1:05-1:15 pm	UroosaEjaz Department of Biosciences, SZABIST, Karachi Campus “Formation of biodegradable plastic using extracted cellulose of <i>Phragmiteskarka</i>”
1:15 - 1:25 pm	TabassumRazi Department of BotanyJinnah University for Women, Pakistan “Antioxidant activity of leaves of <i>Avicennia marina</i> from Sandspit backwater, coast of Karachi”
1:25 - 1:35 pm	Solevo Martin National University of Agriculture, Benin “Integrated organic nutrient management for the production of <i>SalanumMacrocarpon</i> in southern benin, west africa”
1:35 - 1:45 pm	Summaiya Khan Department of Botany, Jinnah University for Women “Antibacterial activity of selected brown and green seaweeds against biofilm-associated gram-positive and gram-negative bacteria”
1:45 - 2:00 pm	Q/A Session
Day 2 - January 18, 2023	
New Council Room 9:45 am – 1:00 pm	SESSION IV: Emerging Trends in Computing <i>Organized by Department of Computer Science and Software Engineering</i> Join Zoom Meeting Meeting ID: 896 4738 6733 Passcode: 674485 Chair: Dr. Farha Lakhani Reaching Fellow, University of Leeds, School of Computing
9:45 – 9.50 am	Welcome Address by: Prof. Dr. Narmeen Zakaria Bawany Chairperson Department of Computer Science and Software Engineering Jinnah University for Women
9.50 am to 10:15 am	Keynote Speaker:Dr. Ahmed Baha Microsoft Regional Director, Technical consultant in an Egyptian Microsoft Gold partner (Compu Pharaohs), Vice Dean of Faculty of Computer and AI, Beni-Suef University. ISO advisory committee member for ISO JTC1
10:15 am to 11:00 am	Invited Speaker:Dr. Abdul Khalique Director of Postgraduate Studies & Assistant Professor

	Department of Information Systems Sultan Qaboos University
11:00 am to 11:20 am	Jaweria Imran, KhadeejaMoin, Saifullah Adnan DevOps with Agile: Best Practices to Improve Software Quality
11:20 am to 11:40am	Amna Zubair, Kanwal Zahoor, Tehreem ShehrBano, Bushra Bano An IoT-based fleet management system - KeepInTrack
11:40 am – 12:00 noon	Arifa Shamim, Mehak Abbas, Saifullah Adnan Artificial Intelligence in Software Test Automation Tools and Technologies (Survey)
12:05 pm – 12:25 pm	Twaleha Lodhi, Tehreem Qamar, Aqsa Nadir Hussain , Habiba Saleem and Saleha Khan GroWiser: A Plant Recommendation and Monitoring System
12:25 pm – 12:45 pm	Wajiha Fatima, Afifa Shafaq, Tehreem Fatima and Sumaira Ahmed Smart Employer – The revolution of Recruitment with AI
JUBIC 10:00 am – 1:00 pm	SESSION V: Zoology: Expand the Vision <i>Organized by Department of Zoology</i> Join Zoom Meeting Meeting ID: 86413702489 Passcode: 427916 Chair: Dr. Rubina Mushtaque, Professor, Chairperson, Department of Zoology, Federal Urdu University for Science, Arts and Technology, Gulshan- E-Iqbal Campus, Karachi. Co-Chair: Prof. Mr. Moazzam Khan, Technical Advisor (Marine), World Wide Fund for Nature (WWF), Pakistan, Ex-Director General, Marine Fisheries Department, Pakistan.
10:00 am - 10:05 am	Welcome Address by: Prof. Dr. Rana Hadi Chairperson Department of Zoology Jinnah University for Women, Karachi, Pakistan
10:05 am – 10:30 am	Keynote Speaker: Professor Alison Grace Anderson Professor of Sociology, University of Plymouth, United Kingdom “PUBLIC AWARENESS OF MICROPLASTIC POLLUTION”
10:30 - 10:55 am	Invited Speaker: Professor Dr. Musarrat Jahan Chairperson, Department of Zoology, University of Karachi, Karachi “INSECTICIDES AND ENVIRONMENT”
10:55 - 11:20 am	Invited Speaker: Dr. Majid Hussain Assistant Professor Department of Forestry & Wildlife Management, The University of Haripur, Haripur, KPK “LIFE CYCLE ASSESSMENT (LCA): A HOLISTIC TOOL FOR ENVIRONMENTAL SUSTAINABILITY ASSESSMENT OF PRODUCTS”

11:20 -11:30 am	<p style="text-align: center;">Najmus-Sahar Department of Zoology, Jinnah University for Women, Karachi</p> <p style="text-align: center;">“EFFECTS OF BIOPESTICIDE AND SYNTHETIC PESTICIDES TO CONTROL THE BERRY BUGS (HEMIPTERA: PENTATOMIDAE)”</p>
11:30 – 11:40 am	<p style="text-align: center;">Noor us Saher Centre of Excellence in Marine Biology, University of Karachi.</p> <p style="text-align: center;">“MOPRHOMETRIC VARIATIONS OF THE OPERCULAR AND MARGINAL PLATES OF BARNACLE SPECIES AMPHIBALANUS IMPROVISUS (DARWIN, 1854) COLLECTED FROM SOMIANI BEACH BALOCHISTAN, PAKISTAN”</p>
11:40 – 11:50 am	<p style="text-align: center;">Altaf Hussain Narejo Centre of Excellence in Marine Biology, University of Karachi.</p> <p style="text-align: center;">“PROTEIN (ISOENZYME) APPROACH TOWARDS AN IDENTIFICATION TOOL: THE UNFOLDING OF GENETIC VARIABILITY; DETECTED BY PAGE ELECTROPHORESIS IN HERMIT CRABS FOUND ALONG THE COAST OF PAKISTAN”</p>
11:50 – 12:00 pm	<p style="text-align: center;">Farah Naz Centre of Excellence in Marine Biology, University of Karachi</p> <p style="text-align: center;">“ISOZYME VARIATION AND PHYLOGENETIC RELATIONSHIPS IN REPRESENTATIVE OF FAMILY PORTUNIDAE FROM THE COASTAL WATERS OF PAKISTAN”</p>
12:00 – 12:10 pm	<p style="text-align: center;">SyedaHadiqa Noor Centre of Excellence in Marine Biology, University of Karachi</p> <p style="text-align: center;">“SEASONAL BIOCHEMICAL CONSTITUENT VARIATIONS IN SHRIMPS OF GENUS (FENNEROPENAEUS) IN DIFFERENT COASTAL WATERS OF PAKISTAN”</p>
12:10 – 12:20 pm	<p style="text-align: center;">Nadia Ashfaq Centre of Excellence in Marine Biology, University of Karachi</p> <p style="text-align: center;">“STUDY ON SHAPES OF OSSICLES AND PRESENCE IN THE IN THE MUSCULAR PART OF OPHIOPLOCUS IMBRICATUS (MULLER & TROSCHER, 1842) FROM THE COASTAL WATERS OF PAKISTAN”</p>
12:20 – 12:30 pm	<p style="text-align: center;">Noor Hawa Centre of Excellence in Marine Biology, University of Karachi</p> <p style="text-align: center;">“ASSESSMENT STUDIES OF COMPARATIVE ANALYSIS OF FAMILY ENGRAULIDAE ACCORDING TO CLIMATIC CHANGE, COLLECTED FROM SONMIANI WATERS, BALOCHISTAN, PAKISTAN”</p>
12:30 – 12:40 pm	<p style="text-align: center;">Noor us Saher Centre of Excellence in Marine Biology, University of Karachi</p> <p style="text-align: center;">“COMPARATIVE ANALYSIS BETWEEN BODY SIZE AND WEIGHT OF JOHNIUS CAROUNA (PERCIFORMES: SCIAENIDAE) WITH OTOLITH SIZE AND MASS, FROM THE COASTAL WATERS OF PAKISTAN”</p>
12:40 – 12:50 pm	<p style="text-align: center;">Dur- e-Shahwar Centre of Excellence in Marine Biology, University of Karachi</p> <p style="text-align: center;">“MICROPLASTIC DISTRIBUTION AND SEASONAL VARIATIONS IN BACKWATERS MANGROVE SEDIMENTS OF SANDSPIT KARACHI”</p>
12:50 – 1:00 pm	Q/A Session
Video Conferencing	SESSION VI: Innovations in Chemistry

<p>Room (A-6) 10:00 am – 1:00 pm</p>	<p><i>Organized by Department of Chemistry</i> Join Zoom Meeting Meeting ID: 87072864457 Passcode: 614504</p> <p>Chair: Prof. Dr. Haider A. Khwaja, Senior Scientist/Associate Professor Wadsworth Center, NYSDOH Department of Environmental Health Sciences School of Public health, University at Albany Albany, NY</p> <p>Co-Chair: Dr. Tomas Navratil, Heyrovský Institute of Physical Chemistry of the Czech Academy of Sciences, Prague, Czech Republic</p>
<p>10:00 – 10:05 am</p>	<p>Welcome Address by: Dr. Najma Rasool Chairperson Department of Chemistry Jinnah University for Women</p>
<p>10:05 am – 10:35 am</p>	<p>Keynote Speaker: Dr. Tomas Navratil, Heyrovský Institute of Physical Chemistry of the Czech Academy of Sciences, Prague, Czech Republic</p> <p>“Determination and Characterization of Psychoactive Drugs. Elucidation of their Metabolic Processes”</p>
<p>10:35 am – 11:05 am</p>	<p>Invited Speaker: Dr. Jiri Berek UNESCO Laboratory of Environmental Electrochemistry, Department of Analytical Chemistry, Faculty of Science, Charles University, Prague 2, Czech Republic)</p> <p>"How to Minimize Problems with Electrode Passivation in Electroanalytical Chemistry"</p>
<p>11:05 am - 11:35 am</p>	<p>Invited Speaker: Dr. M. Farooq Wahab Research Engineering Scientist Department of Chemistry & Biochemistry, University of Texas at Arlington</p> <p>“On the Concept Coupling of Molecular Rotational Resonance Spectroscopy with Gas Chromatography”</p>
<p>11:35 am -12:05 pm</p>	<p>Keynote Speaker: Dr. Haider A. Khwaja Senior Scientist/Associate Professor Wadsworth Center, NYSDOH and Department of Environmental Health Sciences School of Public health, University at Albany Albany, NY</p> <p>“Microplastics in the environment: prevalence, fate, impacts, and mitigation”</p>
<p>12:05 pm – 12:15 pm</p>	<p>Dr. Maria Taj Department of chemistry, Jinnah University for Women</p> <p>“Health risk estimation for the Chromium exposure in local population of Muslim Bagh, Pakistan”</p>
<p>12:15 pm – 12:40 pm</p>	<p>Keynote Speaker: Prof. Dr. Hajira Tahir Department of Chemistry, University of Karachi, Karachi</p> <p>“Utilizing digital innovation, optimization strategies and Green perspectives for the selection of nano material to improve quality of health and</p>

	environmental impact”
12:40 pm - 12:50 pm	Ms. Farozan Umer Department of chemistry, Jinnah University for Women “Voltammetric determination of traces of heavy metal Pb (II) in aqueous system”
12:50 pm - 1:15 pm	Invited Speaker: Dr. Tahsin Gulzarı Department of Applied Chemistry, Govt. College University Faisalabad-38000, Punjab Pakistan “Piperaceae Genus: A comprehensive overview on extraction, isolation, phytochemistry and pharmacology”
1:15 pm - 1:30 pm	Q/A Session
Day 3 - January 19, 2023	
Video Conferencing Room (A-6) 10:00 am – 1:00 pm	SESSION VII: Recent Advances in Food Science and Technology <i>Organized by Department of Food Science and Technology</i> Join Zoom Meeting Meeting ID:5318713343 Passcode: 429541 Chair: Dr. Maratab Ali Assistant Professor/ Postdoc Fellowship, Shandong University of Technology, China Co-Chair: Dr. Shahzad Hussain Professor, Food Science and Nutrition, College of Food and Agriculture, King Saud University
10:00 am - 10:05 am	Welcome Address by: Ms. Anum Liaqat Chairperson Department of Food Science and Technology Jinnah University for Women
10:05 am – 10:30 am	Keynote Speaker : Dr. Khizar Hayat Visiting Scholar, Department of Kinesiology, Nutrition, and Health, Miami University, Oxford, OH, USA. “Stabilization and characterization of functional and flavour ingredients”
10:30 - 10:50 am	Invited Speaker: Dr. Tayyaba Alvi Research Fellow at Biological Systems Engineering, School of Food Science, Washington State University, Pullman, WA, USA “Modeling and kinetic study of novel and sustainable microwave assisted dehydration of sugarcane juice”
10:50-11:00 am	Dr. Muhammad Rizwan Research Fellow, Washington State University, Pullman, Washington, USA “Almond’s nutritional profile and health benefits myths vs facts.”
11:05-11:15 am	Ms. Gulsah Karabulut Research Assistant, Department of Food Engineering, Sakarya University, Turkey “Alternative plant proteins and their modification approaches”.
11:20-11:30 am	Ms. Aiman Yaseen Butt Jinnah University for Women “Incorporation of Organic Commodities to Develop Nutraceutical Product Aiding Infant Metabolism.”
11:35-11:45 am	Mr. Jahan Zaib Ashraf Research Scholar, University of Foggia, Italy

	“Screening of volatile organic compounds emitted from different packaging materials: Case study on fresh-cut artichokes.”
11:50-12:00 pm	Mr. Maira Anam Research Scholar, Henan University of Technology, China “Addition of sweet potato powder and olive oil as fat replacer in chicken sausages coated with carom essential oil.”
12:05-12:15 pm	Ms. Sabahat Aleem Jinnah University for Women “Development of flat bread by utilizing moringa leaves powder and water chestnut powder to combat malnutrition.”
12:20-12:30 pm	Dr. Muhammad Khan Research Faculty, Department Animal Nutrition, UIUC-USA. “Comparative evaluation of probiotic sources containing different bacterial strains in diet: Effects on growth performance, immune responses and intestinal morphology of broiler.”
12:35-12:45 pm	Ms. Khadija Aijaz Siddiqui Jinnah University for Women “Formation of biodegradable film from linum usitatissimum to deplete the consumption of plastic.”
12:45-12:55 pm	Q/A Session
12:55-1:00 pm	Concluding Remarks by Session Chair and Co-Chair
New Council Room 10:00 am – 1:00 pm	SESSION VI: Contemporary Research in Microbiology and Immunology <i>Organized by Department of Microbiology</i> Join Zoom Meeting Meeting ID: 7641350862 Password: 795706 Chair: Dr. Shaukat Ali Defense Science & Technology Organization (DESTO), Karachi Laboratories Pakistan.
10:00 am - 10:05 am	Welcome Address by: Prof. Dr. Sayyada Ghufrana Nadeem Department of Microbiology Jinnah University for Women
10:05 am – 10:30 am	Keynote Speaker: Dr. Shazia T. Hakim Professor, Microbiology/ Biomedical Sciences, School of STEM, Diné College 600 Edgewater Drive, Tuba City 86045, Arizona, USA “Coupled Human and Natural Systems (CHANS): A Solution for Human Well-Being and Global Sustainability”
10:30 - 10:55 am	Keynote Speaker: Dr. Uzma Syed Partner, South Shore Infectious Diseases Travel Medicine Consultants and Antibiotic Infusion Center, Chair COVID-19 Task Force, Director of Antimicrobial Stewardship Center of Excellence, Good Samaritan Hospital, New York, USA. “Monkey Pox Outbreak 2022”

10:55 - 11:20 am	<p>Invited Speaker: Dr. Shahida Hasnain HEC Distinguish National Professor, Department of Microbiology & Molecular Genetics, Punjab University, Quaid-e-Azam Campus, Lahore. “Endophyticactinomycetes: Prospective source for new drug targets”</p>
11:20-11:45 am	<p>Invited Speaker: Dr. Urooj Zafar Assistant Professor & HEC approved supervisor Department of Microbiology, University of Karachi. Prevalence and clonality of Non Albicans Candida species</p>
11:45 - 11:55 am	<p>Dr. AwaisMasud Livestock & Dairy Development Department Punjab, Pakistan. Probing Normal Biochemical and Hematological Indices of Barela&Marecha Camel Breeds Kept in Thal Desert</p>
11:55 - 12:05 pm	<p>Ms AhdaniaBatool Superior University Lahore Pakistan Evaluation of antibacterial activity of <i>Lawsoniainermis</i> against wide range of microorganisms</p>
12:05 - 12:15 pm	<p>Mr. ArhamAijaz Federal Urdu University of Arts, Science and Technology, Karachi, Pakistan. Evaluation of Bioactive Compounds Produced by Soil Fungi</p>
12:15 - 12:25 pm	<p>Ms LubnaRazaq University of Karachi Fosfomycin susceptibility pattern in ESBL producers and carbapenems resistant Enterobacteriaceae isolates from Urinary tract infection patients.</p>
12:25 - 12:40 pm	<p>Q/A Session</p>
12:00 – 1:00 pm	<p>CLOSING CEREMONY</p>
	<p>Welcome Address by Ms. Sidra Razi Jinnah University for Women, Karachi</p>
	<p>Address by Chief Guest: Prof. Dr. Muhammad Iqbal Choudhary <i>Hilal-i-Imtiaz, Sitara-i-Imtiaz, Tamgha-i-Imtiaz</i> <i>Mustafa (pbuh) Prize Laureate</i> Director, PCMD, ICCBS, Karachi, Pakistan Coordinator General COMSTECH UNESCO</p>
	<p>Shields Distribution by Chief guest</p>
	<p>Address by Mr. Wajeehuddin Ahmed Chancellor, Jinnah University for Women, Karachi</p>
	<p>Vote of Thanks by Conference Chair Prof. Dr. Narmeen Zakaria Bawany Dean, Faculty of Science Jinnah University for Women Karachi, Pakistan</p>