

20th IBCAST2023: Biosciences (BS)

(22 –24 August2023)

Tentative Technical Program

Updated on:
August 16, 2023

Day 1: August 22, 2023

	2:00 – 3:45	Registration	
Opening Message	4:00 - 4:10	Welcome address by Program Coordinator	Prof.Dr. Saifullah Khan <i>Centre of Excellence in Science & Applied Technology (CESAT), Islamabad , Pakistan</i>
Chair: Prof. Dr. Abdul Matin			
Invited Talk	4:10 - 4:50	Bats-associated Beta-coronavirus Detection and Characterization: Pakistan's Experience	Prof. Dr. Muhammad Ali <i>Quaid-e-Azam University ,Islamabad, Pakistan</i>
	4:50 - 5:30	Emergence, Factors, Detection, Treatment and Prevention of Zoonotic infectious agents	Prof. Dr. Saiqa Andleep <i>University of Azad Jammu & Kashmir, Muzaffarabad, Pakistan</i>
	5:30 - 6:00	Tea Break	
Chair: Prof. Dr. Muhammad Ali			
Contributory Talk	6:00 - 6:30	BS-588: In-house Design and Development of Synthetic and novel Plasmid based Reference Material for Molecular Detection of Genetic Modification in Soybeans	Mr. Waqar Hassan <i>CESAT, Islamabad Pakistan</i>
		BS-478: Non-Invasive Blood Glucose Monitoring Using a Photo Detector-Based Approach: A Promising Alternative for Diabetes Management	Mr. Syed Muddusir Hussain <i>Riphah International University, Islamabad, Pakistan</i>

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Day 2: August 23, 2023

Chair: Prof. Dr. Shaukat Ali			
Invited Talk	9:00–9:40	Recent Advances in Preclinical Vaccine Development to Reduce Time-to-Market	Dr. Mert Doskaya <i>Ege University Bornova/ Izmir, Turkey</i>
	9:40–10:15	Increasing Health Threats of Free Living Amoeba Infections Worldwide with Future Challenges	Prof. Dr. Abdul Matin <i>The University of Balitistan, Skardu, Pakistan</i>
Contributory Talk	10:15–10:30	BS-90: Unlocking the Power of Genes: Prediction of Breast Cancer Survival assisted by Machine Learning	Dr. Ayesha Sahar <i>COMSATS University Islamabad, Pakistan</i>
	10:30-11:00	Tea Break	
Chair: Prof. Dr. Yumin Zhang			
Contributory Talk	11:00–01:00	BS-596: An Efficient Plaque Assay for SARS-CoV-2 Quantification using Colloidal Cellulose Overlay with Rapid Scanning and Automated Counting by Immunospot® S6 Analyzer	Mr. Syed Muhammad Kamran Ullah <i>CESAT, Islamabad Pakistan</i>
		BS-190: Designing a Novel Multi-Epitope Vaccine Candidate against Dengue Virus Serotypes Prevalent in Pakistan	Ms. Amtul Wadood Wajeaha <i>NUST, Islamabad Pakistan</i>
		BS-383: Identification of Risk Factors Linked to the Occurrence of Dairy Cattle Lameness at Individual and Herd level in Lahore	Prof. Dr. Aneela Durrani <i>UVAS, Lahore</i>
		BS-103: Characterization and Degradation Rate of Biofilms for Sustainable Food Packaging	Ms. Aqsa Aizaz <i>Institute of Space Tech Islamabad Pakistan</i>
		BS-591: DNA Sequence Based Identification and Characterization of the Crimean–Congo Hemorrhagic Fever Virus	Dr. Shahid Mahmood <i>CESAT, Islamabad Pakistan</i>
	01:00-2:00	Lunch Break	

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Chair: Prof. Dr. Mert Doskaya			
Invited Talk	2:00-2:40	Antiviral Drug Screening - SARS-CoV-2	Prof. Dr. Yumin Zhang <i>Wuhan Institute of Virology Wuhan, China</i>
	2:40-3:20	BS-173: Laboratory and Field Performances of WHO Approved Insecticides used in Dengue Control Program	Prof. Dr. Waseem Akram <i>University of Agriculture, Faisalabad Pakistan</i>
Contributory Talk	3:20-3:35	BS-133: From Images to Insights: Leveraging Machine Learning for Detecting and Classifying Alzheimer's	Ms. Rimsha Kaokab <i>COMSATS University Islamabad</i>
3:35-4:00		Tea Break	
Chair: Prof. Dr. Aneela Durrani			
Contributory Talk	4:00-4:15	BS-230: Identification of Potential HUB Genes and Associated Transcription Factors in Rheumatoid Arthritis	Ms. Maria Sharif <i>NUST, Islamabad Pakistan</i>
	4:15-4:30	BS-587: Characterization and Medicinal Applications of Karakoram Shilajit; Angiogenesis Activity, Antibacterial Properties and Cytotoxicity	Ms. ZahidaYaqoob <i>Institute of Space Technology Islamabad Pakistan</i>

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Day3: August 24,2023

Chair: Prof. Dr. Waseem Akram			
Invited Talk	9:00 – 9:30	Indigenously designed Bio-Sensor-Electronic Devices using Micro and Nano-Electronic Technologies	Prof. Dr. Syed Arsalan Jawed <i>Karachi Institute of Economics and Technology (KIET) Karachi, Pakistan</i>
	9:30– 10:00	Neutron Activation Analysis for the Study of Biological Samples	Prof. Dr. Otilia-Ana CULICOV <i>National Institute for R&D in Electrical Engineering, ICPE-CA Russia</i>
Contributory Talk	10:00– 10:30	BS-597:Analytical Method for the Determination of Residual Host Cell DNA for Viral Vaccines Produced in Vero cells	Dr. Muhammad Rashid <i>CESAT, Islamabad Pakistan</i>
		BS-60:The Applicability of the QTS -24 Identification Systems for the Identification and Characterization of Exoplysaccharide Producing Bacteria from Brackish Water	Ms. Noor Afshan <i>CESAT, Islamabad Pakistan</i>
10:30 -11:00		Tea Break	
Chair: Prof. Dr. Shaukat Ali			
InvitedTalk	11:00 – 11:40	Identification and Isolation of PPR Virus and Development of ELISA for its Diagnosis	Dr. Tahira Kamal <i>NARC, Islamabad, Pakistan</i>
Contributory Talk	11:40–11:55	BS-259:Drug Repurposing of Potential Inhibitor for CoVID-19 3CL Using Molecular Docking	Ms. Imra Aqeel <i>PIEAS, Islamabad Pakistan</i>
11:55–12:10		Closing Remarks	Prof. Dr. Saifullah Khan <i>CESAT, Islamabad, Pakistan</i>