

3rd International Conference on Applied Biosciences (ICAB-2022)

December 28-29, 2022

Department of Biosciences, Mohammad Ali Jinnah University,
Karachi, Pakistan

SCIENTIFIC PROGRAM

Day 1 (Wednesday, December 28, 2022)

Inaugural Session (Venue: Audi-III, MAJU)

Registration: Venue-Block-C entrance welcome desk	09:00-09:30 am
Recitation of Holy Quran	09:30-09:35 am
National Anthem	09:35-09:40 am
Welcome Address by Prof. Dr. M. Kamran Azim, Dean, Faculty of Life Sciences, Mohammad Ali Jinnah University, Karachi, and Chief Organizer of ICAB-2022.	09:40-09:50 am
Address by Prof. Dr. Zubair Ahmed Shaikh, President, Mohammad Ali Jinnah University, Karachi, and Patron, ICAB-2022.	09:50-10:00 am
Address by Dr. Shahid Qureshi, Rector, GIFT University, Gujranwala.	10:00-10:10 am
Keynote Speech by Dr. Johar Ali, VC, UIT University, Karachi. Title: Current Trends in Omics	10:10-10:50 am

Tea Break (10:50-11:10 am)

Session I: (11:10 am–01:00 pm)

Venue: Audi III, MAJU

Moderator: Dr. Huma Jawed/ Dr. Iqbal Azimuddin, MAJU, Karachi

Time	Speaker	Title
11:10-11:40 am	Darakhshan J. Haleem, ICCBS, University of Karachi, Karachi	The Prevalence of Obesity, Hunger and Satiety Signals with Macronutrients
11:40-12:10 noon	Zahra Hasan, Aga Khan University, Karachi	Role of molecular diagnostics in disease detection and surveillance
12:10-12:40 pm	M. Kamran Azim, Mohammad Ali Jinnah University, Karachi	Current trends in metagenomics
12:40-01:05 pm	Mushtaq Hussain, Dow University of Health Sciences, Karachi	Drosophila melanogaster: Little Humans with Wings

Lunch & Prayer Break (1:00-2:00 pm)

Venue: Block A, MAJU

Session II: (02:00-04:35 pm)

Venue: Audi-III

Moderator: Dr. Mushtaq Hussain, DUHS, Ms. Fiaza Zehra, MAJU, Karachi

Time	Speaker	Title
2:00-2:25 pm	Choudhary Shoaib Ahmed, University of Toronto, Canada.	Role of CRISPER in Anti-Viral Drug Discovery
2:25-02:45pm	Junaid Iqbal, Aga Khan University, Karachi	Organ-on-the-chip and experimental medicine approach to study nutrition & gut interactions
2:45-03:05pm	Kaleem Ullah Kakar, BUIEMS, Quetta	Economic and Eco-friendly Alternatives for the Efficient and Safe Management of Wheat Diseases
3:05-03:25pm	Muhammad Bilal Azmi, Dow University of Health Sciences, Karachi	In silico investigation on the inhibitory prospective of Zingiber officinale compounds on conserved capsular polysaccharide (cps) biosynthesis proteins of <i>Streptococcus pneumoniae</i>
03:25-03:45 pm	Akram Ali, Balochistan University of Information Technology, Engineering, and Management Sciences (BUIEMS), Quetta	Genome-wide identification, characterization, comparative synteny, evolution and expression profiling of the CNGCs of <i>Brassica juncea</i>
03:45-04:05pm	Syed Inayatullah Agha, Balochistan University of Information Technology, Engineering, and Management Sciences (BUIEMS), Quetta	Biocontrol rhizobacteria enhances growth and yield of wheat (<i>Triticum aestivum</i>) under field conditions against <i>Fusarium oxysporum</i>
04:05-4:20pm	Mr. Riaz Ahmed, Molecular Product, Karachi	Promega Protein Reporter Technologies for Applied Biosciences
4:20-4:35pm	Dr. Farhan Bukhari, JB Scientific, Karachi	DNA sequencing platforms of Oxford NanoPore Technology



Day 2 (Thursday, December 29, 2022)
(Venue: Audi-III)

Session III (09:30 am-11:00 am)

Venue: Audi-III

Moderator: Prof. Dr. M. Kamran Azim/ Dr. Bushra Bilal, MAJU, Karachi

Time	Speaker	Title
9:30-10:00am	Shahid Mansoor, NIBGE, Faisalabad	Application of Genomic, Gene Editing and Genetic Engineering for Food Security
10:00-10:30am	Muhammad Mushtaq Baluchistan University of Information Technology, Engineering & Management Sciences (BUIEMS), Quetta	Development of Rapid, reliable and Sustainable techniques for diagnosis of Human Pathogenic Candida Species
10:30-11:00am	Najeeha Iqbal, Aga Khan University, Karachi	Duodenal microbiota of malnourished children: A prospective study to identify signature gut microbiome of children with EED

Tea Break (11:00-11:20 am)

Session IV (11:20 am-01:00 pm)

Venue: Audi-III

Moderator: Dr. Najeeha Iqbal, AKU, / Dr. Khitab Gul, MAJU, Karachi

11:20-11:40am	Yasmeen Rashid University of Karachi, Karachi.	Naegleria fowleri from Pakistan Has Type-2 Genotype
11:40-12:00	Naveed Iqbal Baluchistan University of Information Technology, Engineering & Management Sciences (BUIITEMS), Quetta	The SARS-CoV2 differential genomic adaptation in response to varying UVindex reveals potential genomic resources for better COVID19 diagnosis and prevention
12:00-12:20pm	Dr Afsar Ali Mian, Aga Khan University, Karachi	Molecular Targeting in Philadelphia Chromosome Positive Leikemia
12:20-12:40pm	Aisha Aziz, Jinnah University for Woman, Karachi	Invitro evaluation of potential anticancer effects of N-(2-hydroxyphenyl) acetamide on Breast cancer cell line
12:40-01:00pm	S.M. Iqbal Azimuddin Mohammad Ali Jinnah University, Karachi	Genomic Attributes of Bacillus licheniformis

Lunch & Prayer Break (1:00-2:00 pm)

Venue: Block A, MAJU

Poster Session (02:00 – 03:00 pm)

Venue: Block D, MAJU

Session V (09:30 am-11:00 am)

Venue: Audi-III

Moderator: Dr. Mehtab Alam/ Dr. Asma Rauf, MAJU, Karachi

03:00-03:20pm	Faizan Saleem Hamilton University, Canada	Applications of Bioinformatics in Microbiology
03:20-03:40pm	Hira Ejaz Balochistan University of Information Technology Engineering and Management Sciences, (BUIITEMS), Quetta	Prevalence Analysis of Newly Emerging Pathogen Candida Auris
03:40-04:00pm	Ayesha Hafeez Balochistan University of Information Technology Engineering and Management Sciences, (BUIITEMS), Quetta	Detection and characterization of Candida species from Head and Neck Cancer patients by CHROMagar™ Candida Plus and PCR techniques
4:00-4:20 pm	Farzana Iftikhar The Women University Multan	Evaluation Of Genetic Diversity and Genome Fingerprinting of Bitter gourd Genotypes (Momordica charantia) By Molecular Marker
4:20-04:40 pm	Eraj Javed Sir Syed University of Engineering and Technology	A Comparative Machine Learning Framework for Cardiovascular Disease Classification

Concluding Session (04:40—05:00 pm)

Venue: Audi-III, MAJU

