

FINAL PROGRAM



INTERNATIONAL CONFERENCE AND EXPO ON

APPLIED MICROBIOLOGY



17-18

JUNE 2022

Contact us:

Ph: +1 (702) 988-2320

Email: applied-microbiology@magnusconference.com

Website: <https://applied-microbiology.magnusconferences.com/>

DAY 01

FRIDAY, JUNE 17

KEYNOTE PRESENTATION

GMT Timings	Local Timings	
09:30-09:50		AV Check
09:50-10:00		Introduction
10:00-10:40	15:30-16:10	P. Satya Singh, Saurashtra University, India Title: Bacterial diversity and biocatalytic potential of sea water and related saline habitats: A perspective from the Gujarat Coast, India

ORAL PRESENTATIONS

10:40 - 11:00	18:40-19:00	Eugene Boon Beng Ong, Universiti Sains Malaysia, Malaysia Title: Screening for proteins that extend chronological life span in yeast
11:00 - 11:20	13:00 - 13:20	Samar Mansour Solyman, Suez Canal University, Egypt Title: The effectiveness of B cell and T cell epitopes cocktail as a potential vaccine against staphylococcus aureus in two murine models
11:20 - 11:40	13:20 - 13:40	H Amira Hegazy, BSU, Egypt Title: Development and validation of two robust simple chromatographic methods for estimation of tomatoes specific pesticides? residues for safety monitoring prior to food processing line and evaluation of local samples
11:40 - 12:00	13:40 - 14:00	Wesam S. Qayed, Assiut University, Egypt Title: Structure based design of novel azine linked hybrids of 2-indolinone-thiazolodine scaffold as potential quorum sensing inhibitors for fighting antimicrobial resistance
12:00 - 12:20	14:00 - 14:20	Pennisi Rosamaria, University of Messina, Italy Title: Anti HSV 1 Activity of natural raw and roasted unsalted pistachio kernels in human monocytic THP 1 and Vero cells.
12:20 - 12:40	14:20 - 14:40	Teresa Gervasi, University of Messina, Italy Title: Bioplastics functionalization with phloretin to enhance their antioxidant and antimicrobial properties against food born pathogens
12:40 - 13:00	09:40 - 10:00	Renato da Silva Bandeira, Amazon Foundation for Studies and Research, Brazil Title: A link to the past, the genomic microcosm explaining America's history: present, past and future
13:00 - 13:20	18:30 - 18:50	Latika Bhatia, Atal Bihari Vajpayee University, India Title: Lignocellulose derived functional oligosaccharides: Production, properties, and health benefits

13:20 - 13:40	18:50 - 19:10	Bashir Akhlaq Akhoun, University of Jammu, India Title: Using cutting-edge computational genomic methods to deconstruct major pathogenic fungi: A case study of monilinia
13:40 - 14:00	09:40 - 10:00	Katchen Julliany Pereira Silva, Cornell University, United States Title: Potential role of weather, soil and plant microbial communities in rapid decline of apple trees
14:00 - 14:20	17:00 - 17:20	Christina Isber, University of Balamand, Lebanon Title: Quadruple checkerboard: A modification of the three dimensional checkerboard for studying drugs combinations
14:20 - 14:40	16:20 - 16:40	Jasna Novak, University of Zagreb, Croatia Title: Postbiotics of beneficial bacteria as microbial based therapies to modulate intestinal microbiome
14:40 - 15:00	10:40 - 11:00	Bhanu Priya Ganesh, The University of Texas Health Science Centre Houston, United States Title: The Gut-Brain Axis in Neurodegenerative Diseases

POSTER PRESENTATIONS

15:00-15:10	23:00 - 23:10	Timothy Ting Leung Ng, The Hong Kong Polytechnic University, China Title: The journey to rapid antibiotic resistance detection in Mycobacterium tuberculosis with direct sequencing of sputum samples: the benefits, the precautions, and the solution
15:10-15:20	17:10 - 17:20	Agnieszka Zylicz Stachula, University of Gdansk, Poland Title: Comparative genomics of Geobacillus species sensitive to TP-84 bacteriophage: identification of the bacterial defense systems
15:20-15:30	17:20 - 17:30	Żebrowska Joanna, University of Gdansk, Poland Title: Biointeraction with nanoparticles - microscopic observations
15:30-15:40	17:30 - 17:40	Ireneusz Sobolewski, University of Gdansk, Poland Title: merging thermophilic bacteriophage model: deciphering TP 84 proteomics
15:40-15:50	17:40 - 17:50	Daria Krefft, University of Gdansk, Poland Title: Fusion proteins containing a binding domain as potential delivery systems for therapeutic proteins
15:50-16:00	17:50 - 18:00	Joanna Stec, Medical University Of Lublin, Poland Title: Detection of topoisomerase IV encoding parC gene in recreational water isolates of aeromonas veronii
16:00-16:10	18:00 - 18:10	Tori Langill, CMK Hasselt University, Belgium Title: Seed endophytes against abiotic stress: an efficient solution to grow energy crops on marginal land?
16:10-16:20	18:10 - 18:20	Sarishna Singh, National Health Laboratory Service, South Africa Title: A laboratory audit of successful line probe assays
16:20-16:30	12:20 - 12:30	Aubrey Frantz, University of North Texas, United States Title: Development of antimicrobial resistance to quaternary ammonium compounds in the human skin microbiota

KEYNOTE PRESENTATIONS

Alon Herschhorn University of Minnesota, United States

16:30-17:00

12:30 - 13:00

Title: In vivo evolution of a transmitted/founder HIV-1 strain that is highly resistant to broadly neutralizing antibodies

Xingmin Sun, University of South Florida, United States

17:00-17:40

13:00 - 13:40

Title: The challenges and status of vaccine development for *Clostridioides difficile* infection

ORAL PRESENTATIONS

Bushra Muneer, Government College University, Pakistan

17:40-18:00

22:40-23:00

Title: Cloning, expression and characterization of Pullulanase enzyme from locally isolated *Klebsiella pneumoniae*

Mario Meza Segura, University of Massachusetts Chan Medical School, United States

18:00-18:20

14:00-14:20

Title: Alpha-1-antitrypsin, a key target to understand *Shigella* pathogenesis in humans

DAY 02

SATURDAY, JUNE 18

ORAL PRESENTATIONS

GMT Timings	Local Timings	
09:30 - 10:00		AV Check
10:00 - 10:20	15:30 - 15:50	Dimple Sethi Chopra, Punjabi University, India Title: Antimicrobial resistance: post Covid 19 scenario
10:20 - 10:40	15:50 - 16:10	Hem Chandra Jha, Indian Institute of Technology Indore, India Title: COVID 19 pandemic; a complex mixture of co-infection and comorbidity
10:40 - 11:00	11:40 - 12:00	Houda Baati, University of Sfax, Tunisia Title: Heavy metal tolerance and adaptive strategies of halophilic archaea isolated from the highly contaminated Sfax solar saltern sediments (Tunisia)
11:00 - 11:20	16:30 - 16:50	P Hema Prakash Kumari, GITAM Institute of Medical Sciences and Research, India Title: Applications of artificial intelligence in clinical microbiology diagnostic testing
11:20 - 11:40	16:50 - 17:10	Anindya Sundar Panja, Vidyasagar University, India Title: Extremophiles protein structural, functional and evolutionary adaptation driven by its structural plasticity is proven by different physicochemical factors
11:40 - 12:00	17:10 - 17:30	Jan Mohammad Mir, Islamic University of Science and Technology, India Title: Spectroscopic approach for diagnosing COVID19
12:00 - 12:20	17:00 - 17:20	Manisha Mandal, MGM Medical College, India Title: Studies on alteration of gut microbial composition with probiotics administration in health and disease using metagenomic analysis
12:20 - 12:40	17:50 - 18:10	Mussarat Shaheen, Quaid-i-Azam University, Pakistan Title: Prediction and annotation of lipase encoding genes and phylogenetic diversity of lipase producing bacteria from metagenomes of different glaciers of pakistan
12:40 - 13:00	18:10 - 18:30	Kishalay Paria, Vidyasagar University, India Title: Roles of microbes (fungi) in the bioremediation of heavy metals at estuarine of marine confluence of West Bengal, India
13:00 - 13:20	19:00 - 19:20	Muktadir Shahid Hossain, North South University, Bangladesh Title: Isolation of a mosquito larvicidal strain of providencia vermicola
13:20 - 13:40	18:50 - 19:10	Deepesh Kumar Neelam, JECRC University, India Title: Calcium-independent extracellular? Amylase production by moderately thermophilic bacillus sp. 4S isolated from sand dune, bikaner, india

13:40 - 14:00	15:40 - 16:00	Hamed Aboelkhair, The British University in Egypt, Egypt Title: Comparative study of biosurfactants production and optimization using bacillus subtilis and bacillus licheniformis, and environmental aspects
14:00 - 14:20	19:30 - 19:50	Rolee Sharma, C. S. J. M. University, India Title: Particulate glucan from yeast: Novel application as delivery vehicles
14:20 - 14:40	10:20 - 10:40	Rebecca Pratiti, McLaren Health Care, United States Title: Universal epidemic outbreak questionnaire
14:40 - 15:00	15:40 - 16:00	Sofia Soares Mendes, New University of Lisbon, Portugal Title: Mechanism of action of clotrimazole-linked co-releasing molecules
15:00 - 15:20	12:00 - 12:20	Marcus Vinícius Dias-Souza, Pitagoras College, Brazil Title: Interactions of antimicrobial drugs and natural products: a solution or even more trouble concerning bacterial resistance?
15:20 - 15:40	17:20 - 17:40	Anfal M. Alkandari, Mansoura University, Egypt Title: Biodistribution and targeting specificity of liposomal agents encapsulated radiopharmaceutical 99mTc-tetrofosmin
15:40 - 16:00	10:40 - 11:00	Miguel Cruz, Mexican Social Security Institute, Mexico Miguel Vazquez Moreno, Mexican Social Security Institute, Mexico Title: Gut microbiome is associated with obesity, fasting plasma insulin and serum enzymatic activity of amylase in Mexican children

KEYNOTE PRESENTATIONS

16:00 - 16:40	21:30 - 22:10	Shailesh R Dave, Xavier's Research Foundation, LCRD, India Title: Urban biomining of precious and hazardous metals a green circular economy model
16:40 - 17:20	18:40 - 19:20	Andrzej Kryspin Babuchowski Dairy Industry Innovation Institute, Poland Title: Rapid method for detecting pathogenic microorganisms in food
17:20 - 18:00	13:20 - 14:00	A. C. Matin, Stanford University, United states Title: Managing bacterial eradication in disease and survival for life support systems on earth and space

UPCOMING CONFERENCES

2nd Edition of
**International Conference and Expo on
Applied Microbiology**

June 26-28, 2023 | Rome, Italy

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+1 (702) 988-2320

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