



63rd Annual International
Conference of AMI

भारतीय जीवमूल्यवेत्त संगठन
Association of Microbiologists of India

Microbial Tech | 2-4 Feb, 2023 |
MDU, Rohtak (Haryana) INDIA

2023

63rd Annual International Conference of Association of Microbiologists of India (AMI): Microbial Technologies for Sustainable Biosphere (2nd to 4th February 2023)

Technical Program schedule

Venue: Tagore Auditorium, RK Auditorium Faculty Development Centre at Maharshi Dayanand University, Rohtak, Haryana- 124001, INDIA

Organizing Secretary: Dr Krishna Kant Sharma (Mob No. 9996303126)

Day 1 (2 nd Feb 2023)		
Morning Session		
Venue : Tagore Auditorium		
Time	Activity	
8:00 Onwards	Registration	
9:00 – 9:05	Invocation	Students of Dept. of Microbiology
9:05- 9:10	Lighting the lamp	All the Dignitaries
9:10 – 9:20	Kulgeet & National Anthem	Students of Dept. of Microbiology (Recording)
9:20 – 9:30	Welcome Address	Prof. R. C. Kuhad, Conference Chairman Ex-Vice Chancellor, Central University of Haryana
9:30– 9:35	About the Conference	Dr. Krishna Kant Sharma Organizing Secretary , 63 rd AMI Microbiotech 2023
9:35 - 9:40	About AMI	Dr. Namita Singh General Secretary, AMI
9:40 – 9:50	Presidential address	Prof. Praveen Rishi President, AMI
9:50 – 10:10	Guest of Honor	Prof. N. K. Arora Manager (CORONA program)
10:10 – 10:40	Chief Guest	Prof. N. K. Ganguly, Former Director General (ICMR)
10:40 – 10:50	Patron	Prof. Gulshan Lal Taneja Registrar, M. D. University, Rohtak
10:50 – 11:05	Patron-in-Chief	Prof. Rajbir Singh Vice-Chancellor, M. D. University, Rohtak
11:05 – 11:15	Special Guest	
11:15 - 11:30	Felicitation	
11:30 – 11:35	Vote of Thanks	Prof. Rajesh Dhankhar Dean, Life Sciences, M. D. University, Rohtak
11:35-11:50	High Tea	
11:50 – 12:20	Prof. Navin Khanna ICGEB, New Delhi	Microbial Therapeutics Title: Dengue and Zika infections are enhanced by live attenuated dengue vaccines and not by the design vaccine candidate
12:20 - 12:50	Dr. Dhiraj Kumar ICGEB, New Delhi	Novel Contributions by Shanti Swarup Bhatnagar Awardees Title: Stitching together the abode for survival by <i>Mycobacterium tuberculosis</i>
13:00 – 14:00	Lunch	





Day 1 (2nd Feb 2023)

After Lunch Session

Venue : Tagore Auditorium

Chair : Prof. N. K. Ganguly, Former Director General (ICMR)

Co-Chair : Prof. J. S. Virdi, (Superannuated) Dept. of Microbiology, University of Delhi

Rapporteur : Dr. Pooja Gulati, Dept. of Microbiology, M. D. University, Rohtak

Time	Speaker	Talk	Theme/session
14:15-14:45	Prof. Javed N. Agrewala IIT, Ropar, Punjab	Plenary Talk	Novel Contributions by Shanti Swarup Bhatnagar Awardees Title: <i>Mycobacterium tuberculosis</i> exploits MPT64 to generate myeloid-derived suppressor cells to evade the immune system
14:45-15:15	Dr. Amulya K. Panda Ex-Director, NII Associate Director, Panacea Biotech Ltd.	Plenary Talk	Vaccine for life management Title: Vaccine Beyond Pathogens
15:15-15:45	Dr. Kavita Milind Khadke, M.D. Technical Director- Molecular Biology HiMedia Lab Pvt Ltd Mumbai	Plenary Talk	Industry Sponsored Title: One stop solution in Molecular biology
15:45-16:15	Tea Break		
16:15-16:45	Prof. Vijay K Chaudhary Univ. of Delhi, South Campus	Plenary talk	Vaccine for life management Title: Science of Antibody-Lab to Market
16:45-17:10	Prof. Bishwajit Kundu School of Biological Sciences, IIT-Delhi	Plenary Talk	Microbial Therapeutics Title: Intracellular pathogens apply common enzymatic strategies to evade host defense mechanism
17:10-17:45			
17:45-18:10			
19:00- 20:30	Cultural Program		
20:30- 21:30	Dinner		



Day 2 (3 rd Feb 2023)			
Morning Session			
Venue 1: R. K Auditorium			
Chair : Prof. Sarman Singh, Ex. Director AIIMS, Bhopal			
Co-Chair : Prof. Minakshi Prasad, LUVAS, Hisar			
Rapporteur : Dr. Ajit Kumar, Dept. of Bioinformatics, M. D. University, Rohtak			
Time	Speaker	Talk	Theme/session
9:15-9:45	Prof. Sarman Singh Ex Director AIIMS Bhopal	Plenary Talk	Microbial Therapeutics Topic: Climatic Changes and Human Health.
9:45-10:15	Dr. Shilpi Gupta BIRAC, New Delhi	Plenary Talk	Entrepreneurship and IPR Title: Promoting entrepreneurial mindset
10:15-10:45	Prof. Barry T. Rouse University of Tennessee, USA	Plenary Talk	Vaccine for life management Title: How do we control damaging virus infections for which we have no effective vaccines?
10:45-10:55	Tea Break		
10:55-11:25	Prof. Suman Kumar Dhar JNU, New Delhi	Plenary Talk	Novel Contributions by Shanti Swarup Bhatnagar Awardees Title: Unique characteristics of DNA replication and cell division in human pathogenic bacteria <i>Helicobacter pylori</i>
11:25-11:55	Prof. Sutirth Dey IISER, Pune	Plenary Talk	Microbial Ecology and Systematics Title:How population size affects bacterial adaptation
11:55-12:25	Prof. S. Gaurinath SLS, JNU, New Delhi	Plenary Talk	Microbiology for mankind Title: Revelation of a new class of enzymes in the cysteine biosynthetic pathway of pathogenic bacteria
12: 30-13:30	Poster Presentation		
13:30- 14:30	Lunch		





Day 2 (3rd Feb 2023)

After Lunch session

Venue 1: R. K Auditorium

Chair : Prof. Shobha Broor, AIIMS, New Delhi

Co-Chair : Prof. S. Gaurinath, SLS, JNU, New Delhi

Rapporteur : Dr. Rakhi Dhankhar, THSTI, Faridabad

Time	Speaker	Talk	Theme/Topic
14:15 - 14:35	Prof. Shobha Broor AIIMS, New Delhi	Lead Talk	Women in Science Title: Respiratory syncytial virus (RSV) infections in India: Epidemiology and genetic variations
14:35 - 14:55	Dr. Sushila Mann LUVAS, Hisar	Lead Talk	Host-Microbial Interactions Topic: Prospects of Isothermal Nucleic Acid Amplification Methods for Diagnosis of infectious Diseases
14:55 - 15:15	Dr. Pragya D Yadav NIV, Pune	Lead Talk	Women in Science
15:15 - 15:35	Dr. Yashpal Singh Malik GADVASU, Ludhiana	Lead Talk	Microbiology for Mankind Topic: Emerging Transboundary Animal Viral Infections, Lessons Learned from Current Outbreaks
15:35 - 15:45	Tea Break		

Venue 1: R. K Auditorium

Chair : Prof. Sunil Pabbi, ICAR, New Delhi

Co-Chair : Dr. Mukesh Kapoor, CFTRI, Mysore

Rapporteur : Dr. Mahesh Dhar, Vice President (Research), Sunny Co. Pvt. Ltd., New Delhi

Time	Speaker	Talk	Theme/Topic
15:45 - 16:05	Dr. Sanjay Kumar ISSER, Tirupati	Lead talk	Microbiology for mankind Title: Novel role of canonical TGF- β effectors in Mitochondrial fusion
16:05 - 16:25	Prof. Asad U Khan Interdisciplinary Biotechnology Unit, Aligarh Muslim University	Lead Talk	Antimicrobial Resistance Title: Antimicrobial Resistance a Global Crises : Post-Covid Impact
16:25-16:45	Dr. Kamlesh Jangid Head, Sequencing & Bioinformatics, HiMedia Lab, Mumbai	Lead Talk	Industry Sponsored Title: Scalable sequencing in Microbiology: from Identification to multi-omics
16:45 - 17:05	Mrs. Rachna Tripathi MSME, Bhiwani	Lead Talk	Entrepreneurship & IPR Title: Entrepreneurship and beneficiary schemes for prospective and existing Entrepreneurs
17:05 - 17:25	Dr. Anil Kumar CSIR, New Delhi	Lead Talk	Entrepreneurship & IPR
17:25 onward	General Body Meeting (GBM)		
20:00- 21:30	Gala Dinner		





Day 2 (3rd Feb 2023)

After Lunch session

Venue 2: Faculty Development Centre

Chair (s): Prof. R C Sobti, Professor Emeritus, Punjab University
: Prof. Sunil Kumar Khare, IIT Delhi

Co-Chair : Dr. Aparna Banerjee , Catholic University of Maule, Chile

Rapporteur : Dr. Vijay Kumar, Dept. of Biochemistry, M. D. University, Rohtak

Time	Speaker	Talk	Theme/session
14:15 - 14:35	Prof. Prince Sharma Dept. of Microbiology Punjab University	Lead Talk	Vaccine development for life
14:35 - 14:55	Prof. Surender Singh Dept. of Microbiology CUH, Haryana	Lead Talk	Environmental Microbial Biotechnology Title: Multi-stress tolerant bioinoculants for sustaining crop productivity under climate change
14:55 - 15:15	Dr. Aparna Banerjee Catholic University of Maule, Chile	Lead Talk	Food and Industrial Microbiology Title: Finding foods and polysaccharide as food additive from the limits of life
15:15 - 15:35	Dr. Gunisha Pasricha Principal Scientist MedGenome	Lead Talk	Industry Sponsored Title: SPIT SEQ: Targeted-whole genome sequencing for drug resistance testing directly in clinical samples in tuberculosis (TB) patients.
15:35 - 15:50	Prof. Sivakumar Uthandi Tamil Nadu Agricultural University, Coimbatore	Lead Talk	Food and Industrial Microbiology Title: Biomass-derived fuels and chemicals production using thermophilic biocatalysts
15:50 - 16:10	Prof. Chittur V Srikanth RCB, New Delhi	Lead Talk	Host-Microbial Interactions Title: The tale of SUMO wrestling in Salmonella pathogenesis: much learned, much to learn
16:10 - 16:15	Tea Break		
16:15 - 16:35	Dr. Syed G. Dastager	Talk	B. N Johri Awardee
16:35 - 16:55	Prof. Yogendra Singh	Talk	S. R Vyas Memorial Awardee Microbial therapeutics
16:55 - 17:15	Prof. Ravi Shankar	Talk	AMI- Life Time Achievement Awardee
17:15 - 17:35	Prof. R.C Sobti	Talk	AMI- Life Time Achievement Awardee
17:35 - 17:55	Prof. Surjeet Singh Dudeja	Talk	AMI- Life Time Achievement Awardee
20:00- 21:30	Gala Dinner		



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Day 3 (4th Feb 2023)

Morning Session

Venue 1: R. K Auditorium

Chair : Prof. R C Kuhad, Ex. Vice Chancellor, Central University of Haryana

Co-Chair : Prof. Namita Singh, Guru Jambheshwar University of Science & Technology, Hisar

Rapporteur : Dr. Rajeev Kapoor, Dept. of Microbiology, M. D. University

Time	Speaker	Talk	Theme/session
9:15-9:40	Dr. Saurabh Saran CSIR-IIIM, Jammu	Lead Talk	Industry-academia interaction Title: Opportunity and Challenges in Bioentrepreneurs and the role of IIIM-Technology Business Incubator in supporting Startups
9:40 -10:00	Dr. Nagma Abbasi NGLS Pvt. Ltd, N. Delhi	Lead Talk	Industry-academia interaction Title: Bridging Gap - Industry and Academia collaboration is the way forward in India for Sustainable Development.
10:00 -10:30	Dr. Bhuvnesh Shrivastava, Joint Director Pharma & Biotech Division, FICCI, New Delhi	Lead Talk	Industry-academia interaction Title: A Multipronged Approach For Bridging The Gap Between Academia And Industry
10:30 -10:55	Dr. Mahesh Dhar Vice President (Research), Sunny Co. Pvt. Ltd., New Delhi	Lead Talk	Industry-academia interaction Title: Indian BioIndustry: Future and Challenges
10:55 -11:20	Tea Break		

Venue 1: R. K Auditorium

Chair : Prof. Praveen Rishi, Dept of Microbiology, University of Punjab

Co-Chair : Dr. Om Prakash, Symbiosis International University, Pune

Rapporteur : Dr. N P Singh, Dept. of Agriculture Biotechnology, M. D. University

Time	Speaker	Talk	Theme/session
11:20-11:45	Dr. Urmi S Bajpai Associate Professor ANDC, Delhi University	Lead Talk	Antimicrobial Resistance Title: Bacteriophage banks to combat antibacterial resistance
11:45-12:10	Prof. Natarajan Gopalan Central University of Tamilnadu, Neelakudi	Lead Talk	Microbiomics and Multiomics Title: The Role of gut microbiome - innovative strategies for biotechnological applications
12:10-12:35			
12:35-13:00	Dr. Sunil Patil Environmental Electro- Microbiology and Biotechnology IISER Mohali	Lead Talk	Environmental Microbiology: Fundamental and Applied Research Title: Electrifying microbiology: Extracellular electron transfer-capable microorganisms for environmental sustainability
13:00-14:00	Lunch break		





Day 3 (4th Feb 2023)

Morning session

Venue 2: Faculty Development Centre

Chair : Prof. Rup Lal, Department of Zoology, University of Delhi

Co-Chair : Dr. Sunil Patil, ISSER, Mohali

Rapporteur : Dr. Hari Mohan, Dept. of Medical Biotech., M. D. University, Rohtak

Time	Speaker	Talk	Theme/session
9:15-9:40	Dr. Shams Yazdani ICGEB, New Delhi	Lead Talk	Environmental Microbial Biotechnology Title: Genome engineering to produce biofuels from agricultural residues
9:40 -10:05	Prof. Bijender Singh Dept. of Biotech., CUH, Haryana	Lead Talk	Environmental Microbial Biotechnology Topic: <i>Myceliophthora thermophila</i> : A thermophilic mould with potential to degrade <i>Saccharum</i> biomass for bioethanol production
10:05 -10:30	Dr. S. Krishnamurthi, Principal Scientist, MTCC IMTECH, Chandigarh	Lead Talk	Microbial Ecology and Systematics Title: Bacterial Systematics: Then & Now, a look at current status
10:30 -10:55	Dr. Minakshi Prasad, LUVAS, Hisar	Lead Talk	Vaccine development for life Title: Animal corona-viruses: zoonoses, reverse-zoonoses and vaccines
10:55 -11:20	Tea Break		
11:20-12:20	Young scientist Award Presentations (Six awardees)		
12:30-13:30	Poster Presentation		
13:05- 14:00	Lunch		





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Day 3 (4th Feb 2023)

After Lunch session

Venue 1: R. K Auditorium

Chair : Prof. Banwari Lal, TERI, New Delhi

Co-Chair : Prof. Jitender Sharma, Dept of Biotechnology, Kurukshetra University

Rapporteur : Dr. Pooja Suneja, Dept of Microbiology, M. D. University

Time	Speaker	Talk	Theme/session
14:15-14:40	Dr. G. S. Kocher Principal Microbiologist Dept of Microbiology PAU, Ludhiana	Lead Talk	Food and Industrial Microbiology Title: Brewed Vinegar: From Kitchen to Pharmaceuticals
14:40-15:05	Prof. James Gomes IIT Delhi	Lead Talk	
15:05-15:30	Prof. Banwari Lal TERI, New Delhi	Lead Talk	Food and Industrial Microbiology Title: Up-scale production of Xanthan gum based bio-polymer for the food and oil well drilling applications
15:30-15:40	Tea break		
15:40-16:05	Dr. Om Prakash Symbiosis International University, Pune	Lead Talk	Host-Microbial Interactions Title: Two-Dimensional Cell Separation: A High Throughput Approach to Enhance the Culturability of Bacterial Cells from Environmental Samples
16:05-16:35	Dr. Belle D. Shenoy NIORC, Visakhapatnam	Lead Talk	Microbial Systematics and Ecology Title: Are Fungal species real?
16:35 Onwards	Valedictory Function		





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Day 3 (4th Feb 2023)

After Lunch Session

Venue 2: Faculty Development Centre

Chair : Prof. S S Dudeja, HAU, Hisar

Co-Chair : Dr. Belle D. Shenoy, NIORC, Visakhapatnam

Rapporteur : Dr. Surender Yadav, Dept of Botany, M. D. University

Time	Speaker	Talk	Theme/session
14:15 - 14:40	Dr. S. D. Attri IMD, MoES, New Delhi	Lead talk	Microbiology for Mankind
14:40 - 15:00	Dr. Satish Kumar Verma Institute of Science BHU	Lead Talk	Topic:Indigenous seed endophytic bacteria of millets improve seedlings developments and protect from fungal diseases
15:00-15:20	Dr. Tilahun Rabuma Dept of Biotechnology Ethiopia	Lead talk	Microbiology for Mankind
15:20 - 15:40	Dr. R S Prakasham Emeritus Scientist and Chief Scientist (Retd.) CSIR-IICT, Hyderabad	Lead talk	Food and Industrial Microbiology Title: Mass spectrometry based metabolomics to understand the mechanistic aspects during microbial synthesis of Epothilone in isolated <i>Delftia tsuruhatensis</i> IICTRSP-E1
15:40-15:50	Tea break		
15:50 - 16:10	Dr. Suveen Kumar INSPIRE Faculty, Department of Chemistry University of Delhi	Lead talk	Title: Nanostructured graphitic carbon nitride based biosensor for Swine flu detection
16:10 – 16:45	Poster Pitching Session		Ten Best Posters will be selected for the oral presentation in this session

