

Daily Programs of 24th Iran's International Congress of Microbiology

18-20 September 2023

Programs in Faraby Hall

Monday 18 Sep	
Faraby Hall	
10:30-12	Panel on the Role of Genetics of Microorganisms and Molecular Biotechnology
<p>Panel Chair: Dr. Hamideh Ofoghi (Associate professor of Molecular Biotechnology at Department of Biotechnology, Iranian Research Organization for Science and Technology (IROST))</p> <p>Panel Members: Dr. Reza Soleimani (Sol Scientifics BV Gent. Belgium) Dr. Nader Shahrokhi (Associate professor/Pasteur Institute of Iran) Dr. Mohammad Pooya (Assistant Professor, Molecular Biology Department, Pasteur Institute of Iran) Dr. Fatemeh Mohammadi panah (Associate Professor of Microbiology School of Biology, College of Science, University of Tehran) Dr. Soheila Moradi Bidhendi (Microbiologist, Associate Professor Department of Microbiology Reference Laboratory of leptospira & Salmonella Razi Vaccine & Serum Research Institute Karaj, Iran)</p>	
<p style="text-align: center;">Keynote Speech</p> <p style="text-align: center;">Prof. Reza Soleimani Prof. Sol Scientifics BV Gent Belgium New Beta-Lactamase Enzymes Specific Inhibitor for Treatment of Multi-Drug Resistant Bacteria</p> <p style="text-align: center;">Dr. Nader Shahrokhi Associate professor/Pasteur Institute of Iran Antisense oligonucleotides, as promising antimicrobial Strategy</p> <p style="text-align: center;">Dr. Mohammad Pooya Assistant Professor, Molecular Biology Department, Pasteur Institute of Iran "PUVA" treatment vs. bacteria"</p>	
12-13:30	Prayer and Lunch Break

13:30-15	Panel on the Convergence of Biotechnology with Nuclear Science
Panel Chair	Dr.Parisa Tajer Mohammad Qazvini (Associate Professor, Nuclear Fuel Cycle Research School, Nuclear Science and Technology Research Institute, Tehran, Iran)
Panel Members:	<p>Dr.Reza Dabbagh(Associate Professor, Nuclear Science and Technology Research Institute, Tehran, Iran)</p> <p>Dr. Ramsina Betesho Babrud (Nuclear Science and Technology Research Institute, Tehran, Iran)</p> <p>Dr. Marzieh Heidarieh (Associate Professor, Nuclear Science and Technology Research Institute, Tehran, Iran)</p> <p>Dr. Samira Shahbazi (Associate Professor, Nuclear Science and Technology Research Institute, Tehran, Iran)</p>
<p>Keynote Speech</p> <p>Dr.Parisa Tajer Mohammad Qazvini Associate Professor, Nuclear Fuel Cycle Research School, Nuclear Science and Technology Research Institute, Tehran, Iran Microbiological perspective on the interaction of microorganisms with uranium</p> <p>Dr.Reza Dabbagh Associate Professor, Nuclear Science and Technology Research Institute, Tehran, Iran Bioremediation in nuclear industry by seaweeds biomass and cyanobacteria</p> <p>Dr.Ramsina Betesho Babrud Nuclear Science and Technology Research Institute, Tehran, Iran Radiation application in cultural heritage conservation</p> <p>Dr.Marzieh Heidarieh Associate Professor, Nuclear Science and Technology Research Institute, Tehran, Iran Development of vaccine and synthesis of paraprotic using gamma irradiation</p> <p>Dr.Samira Shahbazi Associate Professor, Nuclear Science and Technology Research Institute, Tehran, Iran Gamma irradiation for induce mutation in microorganism to improve enzymatic metabolite production</p>	
15:00-15:30	Coffee Break and Poster Viewing
15:30-17:00	Panel on the Biochemical engineering and microbial processes Bio-fuels and Bio-based materials

Panel Chair: **Dr. Mohsen Nosrati** (Associate Professor, Biotechnology Group, Department of Chemical Engineering, Tarbiat Modarres University)

Dr. Hossein Ghanavati (Associate Professor and Head of Microbial Biotechnology Group, Agricultural Biotechnology Research Institute of Iran (ABRII))

Panel Members:

Dr. Babak Bonakdarpour (Professor, Department of Chemical Engineering Biotechnology – Environment, Amirkabir University of Technology)

Dr. Seyed Morteza Zamir (Associate Professor at the Faculty of Chemical Engineering, Tarbiat Modares University)

Prof. Mohammad Pazouki (Professor, Research Department of Energy, Materials and Energy research Center)

Dr. Khosrow Rostami (Assistant professor, Environmental and Industrial Biotechnology, Iranian Research Organization for Science and Technology)

Dr. Homa Torabizadeh (Assistant Professor in Food Science & Technology Iranian Research Organization for Science and Technology) (IROST)

Dr. Hossein Heydarian (Vice President of Processing and Disposal (Aradkoh) of Organic Fertilizers Biofuel, Waste Management Organization of Tehran Municipality)

Dr. Hamid Amiri (Faculty of Biological Sciences and Technologies, Director of Industrial Biotechnology Biotechnology Department, University of Isfahan)

Dr. Omid Tavakoli (Faculty of Chemical Engineering, Research Assistant, Faculty of Renewable Energy, Environmental Biotechnology, University of Tehran)

Dr. Mehrdad Azin (Professor of Industrial Microbiology, Iranian Research Organization for Science and Technology (IROST))

Keynote Speech

Dr. Seyed Morteza Zamir

Associate Professor at the Faculty of Chemical Engineering, Tarbiat Modares University

Two-phase-distributed bioreactors for sustainable treatment of polluted industrial air

Dr. Khosrow Rostami

Assistant professor, Environmental and Industrial Biotechnology, Iranian Research Organization for Science and Technology

Potential of renewable sustainable energy to save the Planet

Dr. Homa Torabizadeh

Associate Prof. of Chemical Industries Institute Department of Food Science & Technology Iranian Research Organization for Science and Technology

Multi-immobilization of Carbohydrases and Proteases by Nanomagnetic Combi-CLEAs Method for Oil and Protein Hydrolysates Extraction from Oil Seeds in Aqueous Phase

Tuesday 19 Sep
Faraby Hall

8:30-10:00

Panel on the Microbial biomass production

Panel Chair:

Dr. Maryam Tajabadi Ebrahimi (Associate Professor in Microbiology, Department of Biology, Science faculty, IAU, Central Tehran Branch. CEO of Takgene Group (Nova gene, Lactovgene, Bogan, Asugene, Zist Mahsool Parsian))

Panel Members:

Dr. Jamshid Fooladi Probiotica (Associated Professor, Director of Biotechnology Group Biological science faculty; Alzahra University)

Dr. Moradi (The chairman of the board of directors of the naturalist company)

Dr. Shojasadat (Professor at the Faculty of Chemical Engineering, Department of Biotechnology, Tarbiat modares university)

Dr. Fooladi (Associated Professor, Director of Biotechnology Group Biological science faculty; Alzahra University)

Dr. Ghobadi dana (Standard Research Institute, Institute of Standard and Industrial Research of Iran)

Keynote Speech

Dr. Jamshid Fooladi

Associated Professor, Director of Biotechnology Group Biological science faculty; Alzahra University

Probiotica: Yeast or Bacteria (advantages and disadvantages)

Dr. Homayoun Moradi

The chairman of the board of directors of the naturalist company

Where do we stand?

Dr. Javanmardi

Ph.D in Food Science and Technology

Post Biotic

10:00-10:30

Coffee Break and Poster Viewing

10:30-12:00

Panel on The Bioinformatics and microbial computing

Panel Chair:

Dr. Farshad Darvishi (Professor of Microbiology, Alzahra University and Researcher of Synthetic Biology and Metabolic Engineering, Technical University of Denmark)

Panel Members:

Dr. Mohammad Majdi (Postdoctoral Research Associate, Miami University, USA Associate Professor, University of Kurdistan, Iran)

Dr. Mojtaba Tefagh (Assistant Professor, Sharif University, Iran, Blockchain Programme Manager at the University of Edinburgh, Scotland, UK)

Dr. Fatemeh Zare-Mirakabad (Assistant Professor, Amirkabir University of Technology, Iran)

<p>Keynote Speech</p> <p>Dr. Mojtaba Tefagh Assistant Professor, Sharif University, Iran, Blockchain Programme Manager at the University of Edinburgh, Scotland, UK Applications of integrative systems biology in the analysis of microbiome</p> <p>Dr. Mohammad Majdi Postdoctoral Research Associate, Miami University, US, Associate Professor, University of Kurdistan, Production of plant bioactive compounds in microbial systems via metabolic engineering and synthetic biology</p> <p>Dr. Fatemeh Zare-Mirakabad Assistant Professor, Amirkabir University of Technology Using Machine Learning for Antibiotic Resistance Prediction</p>	
12-13:30	Prayer and Lunch Break
13:30-15	Panel on the Microbial Biochemistry, Enzyme Technology, and Protein Engineering and Bioactive Compounds
Panel Chair:	<p>Dr. Javad Hamed (Professor of Microbiology, Department of Microbiology, University of Tehran.) Dr. Mohammad Reza Soufi (Professor of Microbiology Department of Microbiology, Faculty of Biological Sciences Alzahra University. Manager of Sib ZistFan, a knowledge-based Company.)</p>
Panel Members:	<p>Dr..Mehran Habibi-Rezaei (Professor in Biochemistry, University of Tehran) Dr.Naghmeh Poorinmohammad (Researcher and course lecturer at McGill University Microbial biotechnologist with expertise in microbial systems)</p>
<p>Keynote Speech</p> <p>Prof.Mehran Habibi-Rezaei Professor in Biochemistry, University of Tehran A perspective on enzyme mediated biotransformation and biorefining</p> <p>Dr.Naghmeh Poorinmohammad Researcher and course lecturer at McGill University Microbial biotechnologist with expertise in microbial systems Systems-level approaches for understanding and engineering of the oleaginous cell factory <i>Yarrowia lipolytica</i></p>	
15:00-15:30	Coffee Break and Poster Viewing

15:30-17:00	Panel on The Fungal Biotechnology
Panel Chair:	Dr. Hamid Moghimi (Assistant Professor in Microbiology, Department of Microbiology, University of Tehran.)
Panel Members:	<p>Dr. Hoda Nouri (Ph.D in Microbial Biotechnology Biopharmaceutical business development supervisor, BioPharma Business Deputy Behesta Daru)</p> <p>Dr. Shaghayegh Nasr (Department of Microbial Biotechnology, Faculty of Basic Sciences and Advanced Technologies in Biology, University of Science and Culture, Tehran, Iran)</p>
<p>Keynote Speech Dr. Hoda Nouri Ph.D in Microbial Biotechnology Biopharmaceutical business development supervisor, BioPharma Business Deputy Behesta Daru yeast cell factories for biopharmaceuticals</p> <p>Dr. Shaghayegh Nasr Department of Microbial Biotechnology, Faculty of Basic Sciences and Advanced Technologies in Biology, University of Science and Culture Probiotic Yeasts: biotechnological and functional characterization and their future potential</p>	

Wednesday 20 Sep Faraby Hall	
8:30-10:00	Panel on The Extremophiles and biotechnology and Microbial genomics, transcription and proteomics
Panel Chair:	<p>Dr. Mohammad Ali Amoozegar (Professor in Microbiology, Department of Microbiology, and Head of Extremophiles Laboratory University of Tehran. Manager of Recpharma Company, a knowledge-based biotech pharmaceutical company producing biosimilar drugs.)</p> <p>Dr. Farzaneh Azizmohseni (Head of Industrial Microorganisms Collection Center, (Persian Type Culture Collection (PTCC)) at Iranian Research Organization for Science and Technology (IROST).)</p> <p>Dr. Amir Asmaeil Saghfina</p>
Panel Members:	Dr. Mahmud Shavandi (Associate Professor in Microbiology. Biotechnology and Microbiology group, Biotechnology and Environment Research Division, Research institute of petroleum In dustry)

Dr. Hamid Moghimi (Assistant Professor in Microbiology, Department of Microbiology, University of Tehran.)

Dr. Abbas Akhavan Sepahi (Associated Professor, Dep. Microbiology, Faculty of Biology, Islamic Azad University. Azad University)

Keynote Speech

Dr. Mahmoud Shavandi

Associate Professor in Microbiology. Biotechnology and Microbiology group, Biotechnology and Environment Research Division, Research institute of petroleum Industry

Applications of Metagenomics in Petroleum Biotechnology

Dr. Maliheh Mehrshad

Associate Professor in Microbiology

Defining role of metabolic potential and interdependencies in sustaining the microbial community of deep groundwater ecosystems

Dr. Hamid Moghimi

Associate professor in microbiology, Department of microbiology, School of biology, University of Tehran

Bioremediation in extreme environments

Dr. Amir Asmaeil Saghfinia

Industrial Biotechnology: How to scale down the process

10:00-10:30

Coffee Break and Poster Viewing

10:30-12

Panel on the Microbiology of water, air and environment

Panel Chair: **Dr. Abbas Farazmand** (Assistant Professor in Environment Biotechnology Iranian Research Organization for Science and Technology (IROST).)

Panel Members:

Dr. Mohammad Mehdi Dastgheib (Assistant Professor of Biotechnology, Research institute of petroleum industry (RIPI), Tehran, Iran)

Dr. Fariba Rezvani (Assistant professor Research groups: Environmental and Industrial Biotechnology. Iranian Research Organization for Science and Technology (IROST)

Dr. Abbas Akhavan Sepahi (Associated Professor, Dep Microbiology, Faculty of Biology, Islamic Azad University. Azad University.)

Dr. Bagher Yakhchali (Associate professor National Institute of Genetic Engineering and Biotechnology)

Dr. Soheila Shokrollahzadeh (Professor in Chemical Engineering Iranian Research Organization for Science and Technology (IROST))

Keynote Speech

Dr. Mohammad Mehdi Dastgheib

Assistant Professor of Biotechnology, Research institute of petroleum industry (RIPI), Tehran, Iran

Applications of Biotechnology for Environmental Conservation in Iran (Experiences and Challenges)

Dr. Fariba Rezvani

Assistant professor Research groups: Environmental and Industrial Biotechnology. Iranian Research Organization for Science and Technology (IROST)

Application of microalgae for removing organic substances and reducing dissolved solids from water and wastewater

Dr. Abbas Akhavan Sepahi

Associated Professor, Dep Microbiology, Faculty of Biology, Islamic Azad University. Azad University

The status of bioremediation in Iran and the countries of the Persian Gulf region

Programs in Andisheh1 Hall

Tuesday 19 Sep Andisheh1 Hall

8:30-10:00

Panel on The Microbiology of cultural heritage

Panel Chair:

Dr. Parisa Mohammadi (Associate Professor of Microbiology Department of Microbiology, Faculty of Biological Sciences Alzahra University. Former president of Cultural Heritage and Tourism Research Institute.)

Panel Members:

Dr. Hamed Vahdati Nasab (Professor, Department of Archaeology, Tarbiat Modares University)

Dr. Atoosa Momeni (Archaeologist, Head of Intangible Heritage Center)

Dr. Atefe Shekofte (Ph.D. Senior Scientific Researcher, Metropolitan Museum of Art, NY, USA)

Dr. Azam Aliasgari Veshareh (Postdoc Researcher, Research Center for Applied Microbiology and Microbial Biotechnology, Alzahra University)

Dr. Leila Shokrzadeh (Assistant Professor, Shandiz Institute of Higher Education, Mashhad, Iran)

Dr. Negar Raeisnia (PhD in Microbiology, Department of Restoration and Preservation, National Library and Archives of Iran)

Maryam Ijadpanahsaravi (Researcher, Department of Biology, Utrecht University, Netherlands)

Keynote Speech

Dr. Hamed Vahdati Nasab

Department of Microbiology, Alzahra University

Effect of Neanderthal's Genes in Contemporary Humans Diseases

Dr. Atefe Shekofteh

Metropolitan Museum of Art, NY, USA

Biomineralization Function in Conservation of Calcareous Stone of Built Heritage: A perspective to the Further Investigations

Maryam Ijadpanahsaravi

Department of Biology, Utrecht University, Netherlands

The Silent Threat: Aspergillus Species Spores and Biodeterioration of Cultural Heritage

Dr. Negar Raeisnia

Department of Restoration and Preservation, National Library and Archives of Iran

Biodeterioration of Archival and Library Materials: Prevention and Control

Dr. Leila Shokrzadeh

Shandiz Institute of Higher Education, Mashhad, Iran

Different Methods for Diagnosis of Microbial Deterioration of Cultural Heritage

10:00-10:30

Coffee Break and Poster Viewing

10:30-12:00

Panel on the Geomicrobiology and Biohydrometallurgy

Panel Chair:

Dr. Zahra Manafi (Head of Hydrometallurgy Unit in Research and Development Department, Sarcheshmeh Copper Complex PhD in Microbiology.)

Panel Members:

Dr.Mohammad Kargar (Professor of Microbiology Islamic Azad University, Shiraz Branch)

Dr. majid lotfalian(Assistant professor, Graduate university of advanced technology)

Dr.Mohammad Raouf Hosseini(Associate professor,Department of Mining E

Dr.Esmaeel Darezereshki (Faculty of Engineering, Department of Materials Engineering, Shahid Bahonar University of Kerman engineering, Isfahan University of T Dr.Ali Behrad

Vakylabad(Associate professor, Graduate university of advanced technology)

Keynote Speech
Pro. Mohammad Kargar
 (Professor of Microbiology Islamic Azad University, Shiraz Branch)
New approaches biomining and recycling of Metals by using synthetic Biology

Dr. majid lotfalian
 Assistant professor, Graduate university of advanced technology
Chalcopyrite bioleaching, a sustainable rout for copper industries development

Dr.Mohammad Raouf Hosseini
 Associate professor, Department of Mining Engineering, Isfahan University of Technology
Heterotrophic bioleaching: Challenges and opportunities

Dr.Esmaeel Darezereshki
 Faculty of Engineering, Department of Materials Engineering, Shahid Bahonar University of Kerman
Thermoacidophilic bioleaching of copper sulfide concentrate in the presence of chloride ions

Dr.Ali Behrad Vakylabad
 Associate professor, Graduate university of advanced technology
Evolution of Copper Extraction from Low-grade Chalcopyrite Ores with Hybrid Bioleaching

Schedule of Speakers for Basic Microbiology and Microbial Biotechnology panels

Time	Name	Panel
Wednesday 20 Sep Faraby Hall 8:30-10:00	Fatemeh Sheikhi	Biochemical engineering and microbial processes Bio-fuels and Bio-based materials
Monday 18 Sep Faraby Hall 15:30-17:00	Giahchy Mino	Extremophiles and biotechnology - Microbial Biodiversity and Culture Collections
Monday 18 Sep Faraby Hall 10:30-12	Nazanin Gholampour-Faroji	Genetics of Microorganisms and Molecular Biotechnology
Wednesday 20 Sep Faraby Hall 8:30-10:00	Najme Gord Noshahri	Biochemical engineering and microbial processes Bio-fuels and Bio-based materials
Tuesday 19 Sep Andisheh1 Hall 8:30-10:00	Aliasghari Veshareh Azam	Heritage microbiology