





**Opening Ceremony**

08:00 – 08:15	<b>Quran recitation and national anthem</b>
08:15 – 09:00	<b>Speech by Mr. Ayatollah Ali Akbar Rashad</b>
09:00 – 09:15	<b>Speech by Dr. Sirus Zeinali, ( Chair of the Conference )</b>
09:15 – 09:35	<b>Memorial of Dr. Behzad Ghareh Yazi</b>
09:35 – 10:00	<b>Biotechnology Impressive Face Award</b>

**Keynote Speeches**

**Panelist: Dr. Babak Nakhoda**

10:10 – 10:50	<b>Grain Dispersal Evolution In Cereals</b> Dr. Mohammad Pourkheirandish (University of Melbourne- Australia)
10:50 – 11:30	<b>Genomics-Assisted Breeding In Field Crops</b> Susanne Dreisigacker (International Maize and Wheat Improvement Center- Mexico)
11:30 – 12:10	<b>Two Decades Of Research For Introducing Transgenic Sugar Beet Plants Resistant To Rhizomania Disease Based On Gene Silencing Against Beet Necrotic Yellow Vein Virus</b> Dr. M.A. Malboobi (National Institute for Genetic Engineering and Biotechnology- Iran)
12:10 – 12:50	<b>Biocatalytic Based Synthesis Of Chemical Space-An Approach For Cost – Effective Drug Discovery</b> Prof. Dr. M. Iqbal Choudhary (University of Karachi- Pakistan)
16:05 – 16:45	<b>Imaging Of Immune Responses</b> Dr. Mohammad Rashidian (Harvard Medical School – United States )
16:45 – 17:25	<b>Will be announced</b>

**Pharmaceutical Biotechnology**

**Panelist: Dr. Eskandar Omidinia**

14:00 – 14:15	<b>Production of Nanobody-Based Anti-PSMA CAR T Cells by Lentiviral Vectors</b> Mahdie Jafari
14:15 – 14:30	<b>Apoptotic and Antiproliferative Effect of Rutin Nanoencapsulated in Human Breast Cancer Cells MCF-7</b> Akram Firouzi-Amandi
14:30 – 14:45	<b>Generation and Characterization of a Camelid Diabody against Placental Growth Factor for Targeting Angiogenesis</b> Abolfazl Nikooharf
14:45 – 15:00	<b>HTERT-molecular Targeted Therapy of Ovarian Cancer Cells via Folate-Functionalized PLGA Nanoparticles Co-loaded with MNPs/siRNA/wortmannin</b> Somayyeh Ghareghomi
15:00 – 15:15	<b>Expression and Intein Mediated Purification of P28-IL24 and P28-M4 Fusion Proteins for Targeted Cancer Therapy</b> Elahe Khodamoradi
15:15 – 15:30	<b>Doxorubicin-loaded Chitosan- Montmorillonite- Carbon Quantum Dots Hydrogel Nanocomposite for the Treatment of Breast Cancer</b> Fatemeh Yazdian
15:30 – 15:45	<b>Physicochemical Characterization of MiRGD peptide Nanocarrier for Delivering Anti-angiogenic sFLT01 gene to Retinal Pigment Epithelial Cells</b> Somayeh Piroozmand
15:45 – 16:00	<b>Preparation, Evaluation and In vivo Assessment of Nanofibers Containing Herbal Extracts with Antibacterial agents to Prevent and Control Bacterial Infection with Staphylococcus aureus</b> Mahboubeh kabiri

**Systems Biology and Bioinformatics** by: Dr. Zarrin Minuchehr

**Panelists:** Dr. Vahid Shariati, Dr. Najaf Allahyari Fard, Dr. Hossein Safarpour

14:00 – 14:30	<b>Single-cell Transcriptomics in Cancer: Computational Challenges and Opportunities</b> Dr. Hossein Safarpour
14:30 – 14:45	<b>Identification of Drought Tolerance Genomic Regions in Foxtail Millet</b> Fateme Ioni
14:45 – 15:00	<b>Meta-Analysis of Microarray Data to Identify Drought Stress Responsive Genes in Maize</b> Narges Safari
15:00 – 15:15	<b>High Expression of CDK1 and NDC80 Predicts Poor Prognosis of Bladder Cancer</b> Seyedeh Sajedeh Mousavi
15:15 – 15:30	<b>In silico Analysis of the Interaction of cLF.arm Engineered Recombinant Peptide with LPXTG Surface Protein in <i>Corynebacterium bovis</i> Bacteria of Bovine mastitiss</b> Romina Mirzadi
15:30 – 15:45	<b>NSP1 Inhibition Effects on Human 40s Ribosomes in Comparison to Intermediate Carrier Animals</b> Afagh Bapirzadeh
15:45 – 16:00	<b>A Bioinformatics Screen Uncovers Involving Pathways of Transcribed Ultraconserved Regions (T-UCRs) in Gastric Cancer</b> Anis Khalafiyani
16:00 – 16:15	<b>Genomine; Cloud-based Platform for NGS Data Analysis</b> Fahimeh palizban

## Room 3 - August 22

**Genetic Engineering, Genome Editing, Biosafety** by: Dr. Kasra Esfahani, Dr. Ali Hatef Salmanian, Dr. Ebrahim Seifati, Dr. Mokhtar Jalali Javaran

**Panelists:** Dr. Kasra Esfahani, Dr. Ali Hatef Salmanian, Dr. Ebrahim Seifati, Dr. Mokhtar Jalali Javaran, Dr. Masoud Tohidfar

14:00 – 14:30	<b>Do Transgenic Food Products Have a Higher Nutritional Value?</b> Dr. Kasra Esfahani
14:30 – 14:45	<b>Genetic Engineering of Rice to Change Root Structure Improve Nutrient Uptake, Improve Yield and Drought Tolerance</b> Dr. Motahharez Mohsenpour
14:55 – 15:20	<b>The Editing of FAD2-1 gene using CRISPR/Cas9 system to Increase Oleic Acid Content in Safflower Plants</b> Amin Neycee
15:20 – 15:40	<b>Role of Hydroxymethylglutaryl-coenzyme A (HMG-CoA) Reductase 1 in Nodule Development of Soybean</b> Dr. Ali Izadi Darbandi

## Room 4 - August 22

**Environmental Biotechnology** by: Dr. Nayer Azam Khoshkholghsima

**Panelists:** Dr. Seyed Abbas Shojaosadati, Dr. Seyed Morteza Zamir, Dr. Habibollah Younesi, Dr. Ali Ebadi

14:00 – 14:30	<b>Two-liquid Phase Trickle Bioreactors for Sustainable Waste-gas Treatment</b> Dr. Seyed Morteza Zamir
14:30 – 15:00	<b>Microbial Fuel Cells: Into the Next Century</b> Dr. Habibollah Younesi
15:00 – 15:20	<b>Molecular Identification of Some Isolates of Fungi Isolated from Al-Barakia Wastewater Treatment Plant</b> Dr. Nihad Habeeb Mutlag
15:20 – 15:40	<b>New Strategy to Increase Oil Biodegradation Efficiency by Selecting Isolates with Diverse Functionality and No Antagonistic Interactions for Bacterial Consortia</b>

<p>15:40 – 16:00</p>	<p>Ali Ebadi  <b>Comparison of Polyhydroxybutyrate production with external potential application at Cathode and Anode poles compared to Control(Blank) with inexpensive whey substrate</b>  Fariba Gholami</p>
<p><b>Room 5 - August 22</b></p>	
<p><b>Animal Biotechnology by: Dr. Fazlullah Afraz</b>  <b>Panelist: Dr. Mohammad Hossein Banabazi</b></p>	
<p>14:00 – 14:30</p>	<p><b>Effect of Caralluma tuberculata on Regulation of Genes Related to Carbohydrate Metabolism</b>  ”  Prof. Dr. Nawazish-i-Husain Syed  (University of the Punjab, Pakistan)</p>
<p>14:30 – 15:00</p>	<p><b>Prevalence of Sarcocystis Infection in Slaughtered Sheep and Goats in Duhok Province/ Iraq</b>  Prof. Dr. Shivan Nawzad Hussein  (University of Duhok, -Iraq)</p>
<p>15:00 – 15:30</p>	<p><b>Effects of New kisspeptin Neuropeptide on Gonadotropin Secretion in Goldfish (Carassius auratus)</b>  AbdolMajid Valipoor</p>
<p>15:35 – 16:00</p>	<p><b>Transcriptome analysis of the laying hen magnum reveals differentially expressed genes involved in egg formation</b>  Zahra Pezeshkian</p>

**Keynote Speeches**

**Panelist: Dr. Manouchehr Vossoughi**

08:30 – 09:10	<b>The Biotechnology In The Era Of COVID-19 Pandemic</b> Dr. Mahdi Taghadosi (Kermanshah University of Medical Sciences, Kermanshah, Iran)
09:10 – 09:50	<b>Developing And Rolling Out Diagnostic Tests For Emerging Infectious Diseases Laboratories Network: The Iranian Laboratory Network For COVID-19</b> Dr. Kayhan Azadmanesh (Pasteur Institute of Iran, Iran)
09:50 – 10:30	<b>Towards The Generation Of A GMP Compliant Human Embryonic Stem Cell-Derived Retinal Pigment Epithelial Cells For The Treatment Of Age-Related Macular Degeneration: The First Pre-Clinical Study For Safety And Efficacy In Iran</b> Dr. Hossein Baharvand (Royan institute, Iran)
10:40 – 11:20	<b>The Role Of Medical Biotechnology In Health Promotion In Iran</b> Dr. Fereidoun Mahboudi (Pasteur Institute of Iran- Iran)
11:20 – 12:00	<b>National Programs For Prevention Of Genetic Disorders In Iran, 20 Plus Years Of Practice</b> Dr. Sirous Zeinali (Pasteur Institute of Iran- Iran)
12:00 – 12:40	<b>Predicting Anticancer Drug Response Using Machine Learning Approaches</b> Dr.Changiz Eslahchi (Shahid Beheshti University – Iran)
16:05 – 16:45	<b>Technology Transfer’, ‘Knowledge Exchange’ And ‘Commercialization’. A History And Lessons Learned.</b> Dr.John Fraser (Retired from Florida State University – United States)
16:45 – 17:25	<b>An Optimal Amplicon Based Genotyping By Sequencing Panel In Sunflower</b> Dr.Farhad Ghavam (Chief Science Officer (CSO) at Eurofins Bio Diagnostics Inc. - United States)

## Room 1 - August 23

**Molecular Markers** by: Dr. Ghasem Mohammadi-Nejad

**Panelists:** Dr. Mehrshad Zeinalabedini, Dr. Hossein Ramshini, Dr. Ghasem Mohammadi-Nejad

14:00 – 14:30	<b>Marker Assisted Selection for Developing Melon Cultivars Resistant to Virus and Aphids</b> Dariush Tafrihi
14:30 – 15:00	<b>Gene Expression Analysis of Some Key Flavonoids Synthesis Genes on <i>Vitis vinifera</i> cv. Syrah under Regulated Deficit Irrigation Condition</b> Hamideh Arab Bafrani
15:00 – 15:30	<b>Diversity of AvrStb6 Affecting Gene for Gene Relation Between <i>Zymoseptoria tritici</i> and Wheat</b> Leila Ebrahimi
15:30 – 16:00	<b>Identification and Isolation of Stress related Transcripts in Olive and Probable Mechanisms of Stress in this Plant</b> Fateme Razeghi Jahromi

## Room 2 - August 23

**Microbial Biotechnology** by: Dr. Fatemeh Tabandeh

**Panelists:** Dr. Seyed Abbas Shojaosadati, Dr. Saeed Mirdamadi, Dr. Parvin Shariati

14:00 – 14:25	<b>In silico Investigation of Alpha, Beta and Gamma Carbonic Anhydrases as Catalysts of CO<sub>2</sub> bio Mineralization Processes</b> Dr. Ozlem Tastan Bishop
14:25 – 14:35	<b>Production and Optimization of Pullulan from Sugarcane Residues by Yeast-like Fungus <i>Aureobasidium pullulans</i></b> Raziye esfandiar
14:35 – 14:50	<b>Iogas Production by using Codigestion Method of Sugarcane Bagasse with Marine Algae</b> Marjan Mollaaghaei Kollai
14:50 – 15:00	<b>Investigation of Bio-cement Performance for Granular Soils in Order to Optimize the Values Used in Road Construction Operations</b>

Amin Maleka

**Panelists:** *Dr. Zahra Khodabandeh, Dr. Kianoush Khosravi-Darani, Dr. Kianoush Khosravi-Darani*

15:10 – 15:20	<b>Probiotics, Post-biotics and their Derivatives: Opportunities and Challenges</b> Dr. Saeed Mirdamadi
15:20 – 15:50	<b>Rapid Detection and Quantification of Bacteriophage Contamination of Lactic acid Bacteria in Yogurt</b> Seyede Mehri Javadi
15:30 – 15:40	<b>Factors Affecting the Growth of Lactobacillus Plantarum on Non-alcoholic Malt Waste in Solid State Fermentation</b> Nooshin Baz Sefidpar
15:40 – 15:50	<b>Optimization of Coating Formulation to Increase the Survival of Probiotic Bacteria During One-week Storage in Room Conditions</b> Parisa Khodadadi

**Room 3 - August 23**

**Genomics, Metabolomics and Proteomics** by: *Dr, Mohammad Reza Ghaffari*

**Panelists:** *Dr. Parviz Moradi, Dr. Mehrshad Zeinalabedini, Dr. Seyed Abolghasem Mohammadi, Dr. khalil Zaynali Nezhad*

14:00 – 14:20	<b>Application of Genetic and Genomic Data in Applied Research of Halophyte Plants: Salicornia, Exploration of a Halophyte Plant against Climate Changes</b> Dr. Mehrshad Zeinalabedini
14:25 – 14:45	<b>Epigenome Engineering for Boosting Crop Production</b> Dr. Ali Mohammad Banaei-Moghaddam
14:50 – 15:10	<b>An Overview on Haploid Inducer Lines Production via Centromere Engineering: History and Perspective</b> Dr. Raheleh Karimi-Ashtiyani
15:15 – 15:35	<b>Metabolically Engineered Rice Biomass and Grain using Genes associated with Lipid Pathway Show High Level of Oil Content</b>

Dr. Ali Izadi Darbandi

15:35 – 16:00

**Metabolomic Profiling of Resistance and Susceptible Peanut (*Arachis hypogaea* L.) Genotypes in Response to *Cercospora arachidicola* infection**

Dr. Zahra Ghorbanzadeh

**Room 4 - August 23**

**Industrial Biotechnology** by: Dr. Manouchehr Vossoughi

**Panelist:** Dr. Manouchehr Vossoughi

14:00 – 14:45

**An Introduction to Full Scale Application of Aerobic Granular Sludge Processes**

Dr. Sirous Ebrahimi

14:45 – 15:25

**Application of Nanobiotechnology for Defeating Antibiotic Resistant Bacteria**

Dr. Ghasem Najafpour

15:25 – 15:45

**Isolation and Molecular Identification of Endophytic Fungi in Saffron (*Crocus sativus* L.)**

Farzaneh Taheri

15:45 – 16:00

**Optimization of Xanthan Gum Production by Sugarcane Molasses Broth using Plackett-Burman Design**

Abbas jafari jaid

**Coronavirus and Biotechnology by: Dr. Majid Tebianian**

**Panelists: Dr. Kayhan Azadmanesh, Dr. Morteza Taghizadeh, Dr. Reza Jafari, Dr. Mehdi Shabani, Dr. Majid Tebianian**

14:00 – 14:20	<b>the Review of Recombinant Razi COVO Pars Vaccine Production</b> Dr. Mojtaba Nofeli
14:20 – 14:30	<b>Investigating the Interaction of Antimicrobial Peptides, Specifically Probiotic Bacteriocins, on Spike Proteins of SARS-CoV2 Virus</b> Bahar Saadaie Jahromi
14:30 – 14:40	<b>Microfluidic System for Detecting COVID 19 Virus using Nano Molecularly Imprinted Polymers</b> Saman Zafarian
14:40 – 14:50	<b>Effect of hsa-miR-4735 on nsp2 gene in SARS-CoV-2 virus</b> Shokoofeh Ghaemi
14:50 – 15:00	<b>Molecular Cloning and Sequences Analysis of the Receptor-Binding Domain (RBD) and S1/S2 protease Cleavage Site of SARS-CoV-2</b> Seyed Amir Hossein Mohammadzadeh Hosseini Moghr
15:00 – 15:10	<b>Molecular Basis of Angiotensin Converting Enzyme-2 Receptors in Severe Iraqi Patients with Covid-19 Pandemic and its Relations with Smoking</b> Fadhil Jawad Al-Tu'ma
15:10 – 15:20	<b>Investigation of Differences in the Sequence of the Corona virus (COVID-19) Spike (s) gene in Iran and Comparison of a Sample of the Iranian Spike (s) gene Sequence with other Countries</b> Milad Tolo
15:20 – 15:30	<b>Secondary Metabolites of Myxobacteria as a Source for anti-SARS-CoV-2 Drug Discovery</b> Romina Hajihassani
15:30 – 15:40	<b>CORONAVIRUS-2 “CELL CYCLE AND POSSIBLE THERAPEUTIC TARGETS”</b> Dr. Falah Abbas Mohammed Salih
15:40 – 15:50	<b>Quantitative Structure–activity Relationship Study of some papain-like Protease (PLpro) Inhibitors</b> Elham zamani

**Keynote Speeches**

**Panelist: Dr. MohammadAli Malboobi**

08:30 – 09:10	<b>Applications Of Mycoprotein In Immunity (Food And Humans)</b> Dr.Kianoush Khosravi Darani
09:10 – 09:50	<b>Process Development For Caffeine Degradation In Effluents &amp; Food Products</b> Sathyanarayana n. Gummada (Department of Biotechnology- India)
09:50 – 10:30	<b>Non-Ionizing Radiation As A Tool For Modern Biotechnology</b> Prof. Sinerik Ayrapetyan (UNESCO/UNITWIN Network- Armenia)
10:40 – 11:20	<b>Marine Bacterium As Potential Protective Agents For Oyster Aquaculture</b> Dr. Jamshid Amiri Moghaddame (E.V.Hans-Knöll-Institut- Germany)
11:20 – 12:00	<b>Classification And Regression Trees For Tissue Culture Data Analysis</b> Dr. Melekşen Akın (Horticulture at Iğdır University – Turkey)
12:00 – 12:40	<b>Resource Recovery From Wastes Using Biotechnology</b> Dr.Mohammad J. Taherzadeh (University of Borås- Sweden)
16:05 – 16:45	<b>The Challenges Of Creating A Tech Transfer Ecosystem In An Emerging Economy</b> Ashley J. Stevens (Past President of University Technology Managers - United States)
16:45 – 17:25	<b>Non-Ionizing Radiation-Induced Stimulation Of Bull Sperm Motility</b> Dr. Naira Baghdasaryan (UNESCO/UNITWIN Network- Armenia)

**Closing Ceremony**

17:15 – 17:35	<b>Lecture by Dr. Hamidiyeh</b>
17:35 – 17:55	<b>Executive Secretary Lecture</b>
17:55 – 18:20	<b>Appreciation of the best article, speaker and poster</b>
18:20 – 18:30	<b>Read the conference statement</b>
18:30 – 19:00	<b>Conference Chair Speech</b>

**Synthetic Biology by: Dr. Safa-ali Fatemi**

**Panelist:**

14:00 – 14:20	<b>Machine Learning Applications to Design and Optimize Synthetic Biological Systems</b> Dr. Amir Pandi
14:20 – 14:35	<b>Design of a Nucleic Acid Circuit for Intelligent Detection of Biomarkers using DNA Strand Displacement Process</b> Fatemeh Jafari-Mohammadabadi
14:35 – 14:50	<b>Potential of a Novel Metagenome-derived Laccase with Stable Performance in Biorefinery of Lignocellulosic Biomass</b> Dr. Shohreh Ariaee Nejad
14:50 – 15:05	<b>Evaluation of the Ligand Independent Activation of Anti CD19 SynNotch Receptor by Dual Luciferase Assay</b> Yasaman Asaadi

**Marine Biotechnology by: Dr. Mohammad Pourkazemi, Dr. Mohammad Reza Kalbassi, Dr. Saeed Keyvanshokoh**

**Panelist:**

15:10 – 15:20	<b>Marine Biotechnology in Iran, a high priority issue for investment and strong consideration sector for extension</b> Dr. Mohammad Pourkazemi
15:20 – 15:40	<b>Marine Toxins and their Bioactivity: How TTX can Control Tumor Growth</b> Dr. Saber Khodabandeh
15:40 – 15:55	<b>Optimization of flow cytometry method to identify chromosom Manipulation Individuals in Rainbow Trout (<i>Oncorhynchus mykiss</i>)</b> Hajar Sadat Tabatabaie Pozveh
15:55 – 16:15	<b>Single Nucleotide Polymorphism Development Markers Involved in Early Sexual Maturation from Transcriptomes of Rainbow Trout (<i>Oncorhynchus mykiss</i>)</b> Dr. Sajad Nazari
16:15 – 16:30	<b>Sterilization of Sterlet (<i>Acipenser ruthenus</i>) by heat shock and microinjection of Dead-End(DND) gene knockdown agent(</b> Mahsa Borhani

**Room 2 - August 24**

**Biotech Commercialization** by: Dr. Amir Meimand

**Panelist:**

14:00 – 14:30 **Venture Building and Open Innovation Impact on Biotechnology Business Development and Investment**  
Mohammadreza Hemmati Mojarrab

**Bioethics & Bioethics Law** by: Dr. Mahmoud Hekmatnia

**Panelist:**

14:30 – 15:00 **Biotech & Religion**

Ayatollah Alidost

14:30 – 15:00 **The Review of Iranian Law and Parliamentary Plan**

Dr. Mahdi Moalla

15:00 – 15:30 **Fundamental Rules in Economic Law**

Dr. Mahmoud Hekmatnia

16:30 – 16:45 **Transcription of Bcl-2 as an Anti-apoptotic Gene in Two Species of Coral Reefs, Sensitive and Tolerant to Thermal Stress**

Pegah Javid

**Room 3 - August 24**

**Tissue Culture** by: Dr. Pejman Azadi

**Panelists:** Dr. Ahmad Moini, Dr. Mehran Enayati Shariatpanahi, Dr. Kourosh Vahdati, Dr. Abbas Saidi

14:00 – 14:25 **Application of Reverse Breeding and Haploidy in Production of F1 hybrids**

Dr. Enayat Shariat Panahi

14:30 – 14:50 **Transformation of DRO1 and CKX4 genes in Order to Modify Rice Root Architecture and Improved Drought Tolerance in Rice**

Zahra Ghorbanzadeh

14:55 – 15:10	<b>The Effect of Different Concentrations of Polyethylene Glycol and Sorbitol on the Production of Potato (<i>Solanum tuberosum</i>) Microtubules In vitro</b> Banafsheh Jamshidi
15:15 – 15:30	<b>Efficient in vitro plant Regeneration via Indirect Somatic Embryogenesis from Petal Cultures of <i>Pomegranate cv. Ganesh</i> in Double Phase Media</b> Mehrnaz Falaki Khalilsaraie
15:35 – 15:50	<b>Graphene Nanoparticles: A Biodegradable and Efficient nano-additive for Increasing of Asexual Embryogenesis of Date Palm</b> Sadaf Abedi

**Room 4 - August 24**

**Pharmaceutical Biotechnology by: Dr. Eskandar Omidinia**

**Panelist:**

14:00 – 14:15	<b>Designing of High-Resolution Melting Technique with Bioinformatics Analysis of Different Gene Regions for Separating Different Types of <i>Toxoplasma gondii</i></b> Reza Fotouhi-Ardakani
14:15 – 14:30	<b>Application of gene Therapy with Viral Vectors in Infectious and Noninfectious Diseases</b> Sepideh Saeb
14:30 – 14:45	<b>Fusion of LTB (L) Bio-adjuvant to Newcastle Virus Hemagglutinin (HN): A new Chimeric Vaccine Candidate</b> Mehregan Rahmani
14:45 – 15:00	<b>Designing of sgRNA and donor DNA for Disruption of PUF5 gene in <i>Leishmania major</i> through CRISPR/Cas9 system</b> Elaheh Davarpanah
15:00 – 15:15	<b>In-silico Design by Semi-rational Method to Improve Soybean Peroxidase Enzyme Functionality</b> Alireza Zargarani

15:15 – 15:30	<b>Fabrication of Hepatic cell-sheet using Decellularized Extracellular Matrix and Thermoresponsive Polymer</b> Maryam Asadi
15:30 – 15:45	<b>Design, Fabrication and Characterization of 3D Composite scaffolds of Amniotic Membrane/Hyaluronic Acid/Nano-hydroxy Apatite for application in bone/cartilage interface</b> Mahboubeh kabiri

**Room 5 - August 24**

**Microbial Biotechnology** by: *Dr. Fatemeh Tabandeh*

**Panelists:** *Dr. Iran Alemzadeh, Dr. Naeimeh Enayatizamir, Dr. Mohammad Pazoki*

14:00 – 14:10	<b>Evaluation of the Activity of the New Enzyme Benzoyl formate Pseudomonas aeruginosa Decarboxylase Expressed in E.coli</b> Shahab Areze
14:10 – 14:20	<b>Co-production of Cellulase-xylanase Enzymes by Different Species of Trichoderma fungi using Corn Bran Waste of High Fructose Corn Syrup Factories</b> Hamed Askari
14:20 – 14:30	<b>Semi-industrial Optimization of L-Asparaginase Production from Candida utilis</b> MohammadReza Lesani
14:30 – 14:40	<b>Development of an Inexpensive Culture Medium for Over-production of Bacterial Cellulose-based on the Response surface Statistical Design Method</b> Maryam Nasr Esfahani
14:40 – 14:50	<b>Question and Answer</b>

**Panelists:** *Dr. Fatemeh Yazdian, Dr. Mohammad Reza Zolfaghari, Dr. Gholamreza Ahmadian*

14:50 – 15:10	<b>Simulation of Microbial Process using Molecular Dynamics</b> Dr. Fatemeh Yazdian
15:10 – 15:20	<b>Synthesis and Characterization of GAAMCs Nanobiocomposite Hydrogel: Antibacterial Activity</b>

	Fatemeh Karchoubi
15:20 – 15:30	<b>Application of Cold Atmospheric Plasma for expression improvement of Green Fluorescent Protein in Recombinant Yeast</b>
	Zeinab Kabarkouhi
15:30 – 15:40	<b>Production of Biodegradable Polylactic acid Film Containing Lippia Citriodora Nanoemulsion to Investigate the Biological Properties</b>
	Mahsa Hojatoleslami
15:40 – 15:50	<b>Antifungal Activity of the Essential Oils of Thymus eriocalyx and Thymus daenensis Species on Two Phytopathogenic fungi</b>
	Mehdi Mardi
15:50 – 16:00	<b>Question and Answer</b>