

ICBMB2024

Scientific Program

18th National Congress of Biochemistry and 9th International
Congress of Biochemistry and Molecular Biology



TEHRAN - IRAN
23-25 OCTOBER 2024



ICBMB2024

Scientific Program at a Glance

18th National Congress of Biochemistry and
9th International Congress of Biochemistry
and Molecular Biology

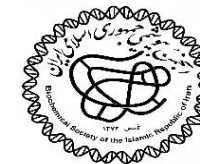
TEHRAN - IRAN

23-25 OCTOBER 2024





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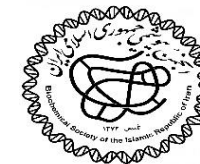


Day 1 (October 23, 2024)

Time	Hall 1	Hall 2	Hall 3	Hall 4	Corridors
8:00- 8:30	Keynote Speaker: Dr. Soudabeh Fallah				
8:30- 10:00	Panel Title: Gastrointestinal Cancers		Workshop: Production, Purification and Identification of Recombinant Proteins and Peptides		
10:00-10:45	Keynote Speaker: Dr. Khosrow Adeli				
10:45-11:00	Break				
11:00-12:30	Opening Ceremony and Welcome Speech				
12:30-13:30	Pray and Lunch				
13:30-14:15	Keynote Speaker: Dr. Mario Plebani				
14:15-15:45	Panel Title: The Role of Reproductive Endocrinology in Diagnosis and Treatment of Infertility	Panel Title: Recent Advances in Nutritional Biochemistry	Workshop: Quality Management System in Medical Diagnostic Laboratories Based on ISO 15189 Standard	Workshop: Introductory Bioinformatics: Familiarity with NCBI Databases	
15:45-16:00	Break				
16:00-17:30	Panel Title: Design of New Bioluminescent Assay for Recruitment of Signaling Pathways	Panel Title: Recent Advances in Cancer Biochemistry			Mini-Oral Presentations
17:30-19:00	Panel Title: Challenges in Clinical Biochemistry Education				



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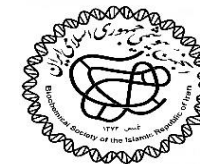


Day 2 (October 24, 2024)

Time	Hall 1	Hall 2	Hall 3	Hall 4	Hall 5	Corridors
8:30- 9:15	Keynote Speaker: Dr. Ayshe Habib					Mini-Oral Presentations
9:15-10:45	Panel Title: Screening for Metabolic Disorders	Workshop: Methods of Measuring Mineral and Trace Elements in Biological Samples	Workshop: Principles and Basics of Flow Cytometry			
10:45-11:00	Break			Break		
11:00-12:30	Panel Title: Professional Ethics and Legal Aspects in the Medical Laboratory					
12:30-13:30	Pray and Lunch					
13:30-14:15	Keynote Speaker: Dr. Khosrow Adeli					
14:15-15:45	Panel Title: In vivo Imaging	Panel Title: Recent Advances in Clinical Biochemistry-1	Panel Title: Cell Therapy and Molecular Mechanisms	Workshop: Challenges in the Interpretation of Capillary Protein Electrophoresis Results	Workshop: Principles and Application of CRISPR and Genome Editing	
15:45-16:00	Break					
16:00-17:30	Panel Title: Point of Care Testing: The Impact of Nanotechnology and Microfabrication	Panel Title: Recent Advances in Clinical Biochemistry-2	Workshop: Ideation, Formation of Technology Team and Knowledge-Based Start-up and Entering the Field of Entrepreneurship			Mini-Oral Presentations
17:30-19:00	Meeting of the Biochemical Society of Iran					



Scientific Program of ICBMB2024



Day 3 (October 25, 2024)

Time	Hall 1	Hall 2	Hall 3	Hall 4	Corridors
8:30- 9:15	Keynote Speaker: Dr. Sergio Bernardini				Mini-Oral Presentations
9:15-10:45	Panel Title: Steroid Hormones in Paediatric Endocrine Disorders	1 st National Symposium of Trace Elements Panel Title: The Role of Trace Elements in Health and Disease	Workshop: Using the New Generation of Sequencing in the Diagnosis of Hereditary Diseases		
10:45-11:00	Break				
11:00-12:30	Panel Title: Osteoporosis and Sarcopenia	Panel Title: Monitoring and Analysis of Trace Elements			
12:30-13:30	Pray and Lunch				
13:30-14:15	Keynote Speaker: Dr. Jim Robert Bonham				
14:15-15:45	Panel Title: The Impact of Natural Products on Health and Disease	Panel Title: Recent Advances in Biochemical and Molecular Basis of the Diseases			
15:45-16:00	Break				
16:00-17:30	Panel Title: Application of Artificial Intelligence in Medical Diagnostic Laboratory Businesses	Panel Title: Recent Advances in Nano Medicine/Molecular Biology	Workshop: POCT: The Future of Immunoassay		Mini-Oral Presentations
17:30-19:00	Closing Ceremony				

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Scientific Program with Details

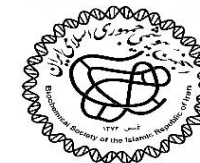
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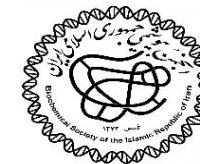


Day 1 (October 23, 2024)

Time	Hall 1
8:00-8:30	Keynote Speaker: Dr. Soudabeh Fallah Role of the CTRP Family in Diseases Development and Progression
8:30- 10:00	Panel Title: Gastrointestinal Cancers
	Panel Members : Dr. Reza Malekzadeh, Dr. Akram Pourshams, Dr. Amir Anushirvani
	Dr. Reza Malekzadeh: Current and Future Trends in Gastrointestinal Cancer in Iran
	Dr. Akram Pourshams: The Future of Pancreatic Screening Dr. Amir Anushirvani: Genomic and its Role in Colon Cancer Prevention
10:00-10:45	Keynote Speaker: Dr. Khosrow Adeli IFCC's Global Leadership in Clinical Laboratory Standardization and Harmonization
10:45-11:00	Break
11:00-12:30	Opening ceremony and welcome speech
12:30-13:30	Pray and Lunch
13:30-14:15	Keynote Speaker: Dr. Mario Plebani Artificial Intelligence in Laboratory Medicine
14:15-15:45	Panel Title: The Role of Reproductive Endocrinology in Diagnosis and Treatment of Infertility
	Panel Members: Dr. Mohammad Reza Sadeghi, Dr. Simin Zafardoust, Dr. Naser Amir Jannati, Dr. Saeed Reza Ghaffari
	Dr. Mohammad Reza Sadeghi: The role of molecular and biochemical biomarkers in infertility practice
	Dr. Simin Zafardoust: The place of laboratory and endocrine evaluations in the diagnosis and treatment of female infertility
	Dr. Naser Amir Jannati: The role of urologists in reproductive endocrinology and infertility practice Dr. Saeed Reza Ghaffari: Applications of AI in molecular diagnostics and genomics
15:45-16:00	Break
16:00-17:30	Panel Title: Design of New Bioluminescent Assay for Recruitment of Signaling Pathways
	Panel Members: Dr. Saman Hosseinkhani, Dr. Reza Hasan Sajedi, Dr. Mahbobeh Nazari, Dr. Rahman Emamzadeh, Dr. Farangis Ataei
	Dr. Saman Hosseinkhani: Designing methods to measure the activity of protein complexes in the process of programmed cell death
	Dr. Reza Hasan Sajedi: Photoproteins in drug screening and disease detection
	Dr. Mahbobeh Nazari: Renilla luciferase-annexin 5-based biosensor for detection of early stages of apoptosis Dr. Rahman Emamzadeh: Split nanoluciferase: shedding light on innovative cancer biomarker identification Dr. Farangis Ataei: Protein engineering for construction of a truncated XIAP with potential interacting with caspase 3/9 based on luciferase complementation assay
17:30-19:00	Panel Title: Challenges in Clinical Biochemistry Education
	Panel Members: Dr. Mahmood Doosti, Dr. Parvin Pasalar, Mohammad Hosein Aarabi, Dr. Gholamreza Asadikaram, Dr. Mitra Nourbakhsh



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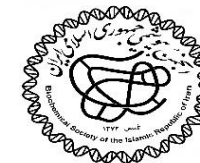


Day 1 (October 23, 2024)

Time	Hall 2
14:15-16:05	Panel Title: Recent Advances in Nutritional Biochemistry
	Panel Members: Dr. Zohreh Mostafavipour, Dr. Mohammad Shabani, Dr. Abolfazl Golestani, Dr. Sadreddin Kalantri
14:15-14:25	Seyyed Mohammad Hosseini: Lipoic acid can prevent microplastic-induced contractile response change in rat trachea
14:25-14:35	Masoud Alikheyli: The effect of NOSHIN-SHAHD herbal syrup on liver functional factors, inflammation and oxidative stress in patients with non-alcoholic fatty liver disease; A randomized, double-blind, placebo-controlled trial study
14:35-14:45	Arash Bahramzadeh: Metformin and morin combination therapy ameliorates oxidative stress in skeletal muscle of mice fed a high-fat diet
14:45-14:55	Fatemeh Asgari: Synergistic Effect of Vitamin A and Tryptophan to Induces Tolerogenic Dendritic cells in Celiac Disease Patient
14:55-15:05	Shima Kabiri-Arani: The effects of heat-killed <i>Saccharomyces boulardii</i> on inflammatory markers and intestinal barrier in rats with obstructive cholestasis
15:05-15:15	Hamidreza Golian: The effect of Omega-6 and recombinant NMP protein on Endoplasmic reticulum stress of liver tissue of non-alcoholic fatty liver (NAFLD) Rats
15:15-15:25	Mahboobe Sattari: Effects of Combined Hydroxychloroquine and Fisetin Treatment on NAFLD Improvement in Mice
15:25-15:35	Jamal Amri: Evaluation of the protective effect of biochanin A on endoplasmic reticulum stress (ERS) in the liver tissue of type 1 diabetic rats
15:35-15:45	Mohammad Esmaeil shahaboddin: Investigating the effect of Methanolic extract of artichole leaf on oxidative stress parameters and TNF- α and IL-10 factors in an experimental model of acute pancreatitis
15:45-15:55	Zahra Bahadoran: Mineral intake patterns are associated with prediabetes regression and progression: Tehran Lipid and Glucose Study
15:55-16:05	Matin Mohyadin: The antidiabetic effect of Lysine and a combination of Lys+VitC+Zn on Oxidative Stress, Endoplasmic Reticulum Stress, and Parthanatos in Type2 diabetic (NA+STZ) Rats
16:05-17:45	Panel Title: Recent Advances in Cancer Biochemistry
	Panel Members: Dr. Mohammadtaha Jalali, Dr. Ebrahim Javadi, Dr. Hamidreza Joshaghani, Dr. Abdolamir Allameh
16:05-16:10	Mohammadreza karbalaee-Hashemiyan: Blockage of Wnt/ β -catenin Signaling Pathway in Colorectal Cancer Resistant Cells by Nitazoxanide Effects on Peptidylarginine Deiminases Expression
16:10-16:20	Zeinab Babaei: SAR131675 exhibits anticancer activity on human ovarian cancer cells through inhibition of VEGFR-3/ERK1/2/AKT signaling pathway
16:20-16:30	Mohamad Jalil Zare: Hepatocellular carcinoma induced by diethyl nitrosamine in mice is associated with progressive tumor cell proliferation and H-ras expression
16:30-16:40	Azin Hamidavi Asl: The link between FGFR1/FGFR3 and Ras gene mutations and the pathological tumor grades in oral squamous cell carcinoma in Iranian patients
16:40-16:50	Ali Karami Robati : The significance of CD44V6 in primary bone tumors: a study of malignant and benign lesions
16:50-17:00	Nadia Bolandi: The combination effect of B7-H7 suppression and Docetaxel in gastric cancer therapy
17:00-17:10	Sepideh Ebrahimi: Auraptene's Protective Role in a Mouse Model of Colorectal Cancer Through Inflammation Regulation
17:10-17:20	Hannaneh Asghari: Development of Triple-Negative Breast Cancer Organoid Model to Study the Effect of Immune Cells
17:20-17:30	Sepideh Hassani: Exploring the impact of CAPIRI regimen on the biochemical and histopathological changes in a mouse model of colon cancer
17:30-17:40	Razieh Jalal: Strategies for senotherapy-mediated human colon cancer treatment



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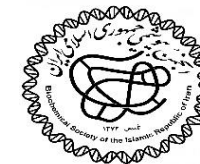


Day 2 (October 24, 2024)

Time	Hall 1
8:30- 9:15	Keynote Speaker: Dr. Ayshe Habib: Global Horizons in Newborn Screening: Bridging Gaps and Developing Synergies for Universal Health Advancements across Regions
9:15-10:45	Panel Title: Screening for Metabolic Diseases
	Panel Members: Dr. Ali Rabbani, Dr. Farzaneh Abbasi, Dr. Sedigheh Shams, Dr. Saeed Talebi, Dr. Ali Talee, Dr. Saeedeh Abdollahpour
	Dr. Sedigheh Shams: The role of tandem mass spectrometry in the diagnosis of metabolic diseases Dr. Saeed Talebi: An overview on screening process of metabolic diseases using mass spectrometry Dr. Ali Talea: Preliminary and confirmatory tests in the diagnosis of common metabolic diseases Dr. Saeedeh Abdollahpour: Non-metabolic causes for the increase or decrease of metabolites in the interpretation of diagnostic tests for metabolic diseases
10:45-11:00	Break
11:00-12:30	Panel Title: Professional Ethics and Legal Aspects in the Laboratory
	Panel Members: Dr. Majidreza Khalajzadeh, Dr. Forouzan Akrami, Dr. Maryam Ameri Mahabadi, Dr. Zahra Hesari
	Dr. Majidreza Khalajzadeh: Professional ethics in the laboratory Dr. Forouzan Akrami: Charter of patient rights in the laboratory Dr. Maryam Ameri Mahabadi: Legal aspects of presenting results in the laboratory Dr. Zahra Hesari: How to deal with laboratory errors
12:30-13:30	Pray and Lunch
13:30-14:15	Keynote Speaker: Dr. Khosrow Adeli Big Data Analytics in Laboratory Medicine: Real-World Application in Reference Interval Harmonization Across Clinical Laboratories
14:15-15:45	Panel Title: In Vivo Imaging
	Panel Members: Dr. Razieh Yazdanparast, Dr. Mohammad Reza Ay, Dr. Hasan Yousefnia, Dr. Mehdi Shafiee Ardestani, Dr. Seyyed Mohsen Asghari
	Dr. Razieh Yazdanparast: Imaging Mass Spectrometry for clinical diagnostic and Guided- Surgery Applications Dr. Mohammad Reza Ay: Application of in vivo Preclinical Imaging in Research Dr. Hasan Yousefnia: Development of diagnostic and therapeutic radiopharmaceuticals in Iran Dr. Mehdi Shafiee Ardestani: Nanoscale contrast agents: a promising tool for ultrasound imaging Dr. Seyyed Mohsen Asghari: Tumor Imaging by tumor-targeting peptides
15:45-16:00	Break
16:00-17:30	Panel Title: Point of Care Testing: The Impact of Nanotechnology and Microfabrication
	Panel Members: Dr. Kobra Omidfar, Dr Javad Mohammadnejad, Dr. Ali Abouei Mehrizi, Dr. Mohsen Saeidi
	Dr. Kobra Omidfar: Point-of-care testing for bio-analyte detection, from near-patient tests to wearable technology Dr Javad Mohammadnejad: Nanotechnology application in POCT Dr. Ali Abouei Mehrizi: Microfluidic and Microfabrication Dr. Mohsen Saeidi: Electrochemical wearable biosensor
17:30-19:00	Meeting of the Biochemical Society of Iran



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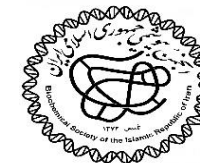
Day 2 (October 24, 2024)

Time	Hall 2
14:15-15:45	Panel Title: Recent Advances in Clinical Biochemistry-1
	Panel Members: Dr. Zahra Hesari, Dr. Mehdi Pouramir Vajargah, Dr. Ehsan Khalili, Dr. Sayed Mohammad Shafiee, Dr. Mehrnoosh Shanaki
	Dr. Zahra Hesari: Laboratory diagnosis and differentiation of iron deficiency anemia
	Dr. Mehdi Pouramir Vajargah: Interdisciplinary discourse of geometry, art, and biochemistry
16:15-17:45	Dr. Ehsan Khalili: The Future of Clinical Laboratories: Integrating Artificial Intelligence for Enhanced Diagnostics
	Dr. Sayed Mohammad Shafiee: The Future of Clinical Laboratories: Integrating Artificial Intelligence for Enhanced Diagnostics
	Dr. Mehrnoosh Shanaki: The role of GLP1 Agonists in Obesity
	Panel Title: Recent Advances in Clinical Biochemistry-2
	Panel Members: Dr. Ebrahim Abbassi, Dr. Daryosh Hamidi Alamdari, Dr. Mohammad Rahmati Yamchi, Dr. Hossein Pourghadamyari, Dr. Shahin Alizadeh-Fanalou
	Dr. Ebrahim Abbassi: Role of extracellular vesicles in Alzheimer's disease
Dr. Daryosh Hamidi Alamdari: Application of medical biochemistry in the treatment of incurable diseases	
Dr. Mohammad Rahmati Yamchi: Cardiac tissue regeneration by modulating mitochondrial biological activity in infarcted rat model	
Dr. Hossein Pourghadamyari: CRISPR as a tool in the diagnosis of infectious diseases	
Dr. Shahin Alizadeh-Fanalou: Securigera Securidaca can improve anti-oxidant and anti-inflammatory capacity, increase insulin secretion, mitigate pancreatic damage, increase fertility and strength cardio protective effect in hyperglycemic rats	

Time	Hall 3
14:15-15:45	Panel Title: Cell Therapy and Molecular Mechanisms
	Panel Members: Dr. Seyed Mostafa Monzavi, Dr. Javad Verdi, Dr. Nasim Vousooghi, Dr. Maryam barkhordar, Dr. Alireza Shoaee-Hassani, Dr. Seyed Iman Seyhoun
	Seyed Mostafa Monzavi: Molecular Mechanism of Action of Targeted T Cell Therapies
	Javad Verdi: History and perspective of cell therapy in the world and Iran
	Nasim Vousooghi: Mechanisms of action of stem cells in the treatment of neurodegenerative diseases
	Maryam barkhordar: CAR T-Cell Therapy: Mechanism of Action Against Malignant Cells
Alireza Shoaee-Hassani: Biochemical potential of Exosomes derived from Mesenchymal Stem Cells	
Seyed Iman Seyhoun: Application of mesenchymal stem cells in disease treatment: molecular and biochemical mechanisms	



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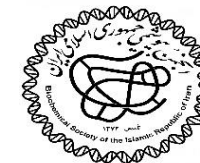


Day 3 (October 25, 2024)

Time	Hall 1
8:30- 9:15	Keynote Speaker: Dr. Sergio Bernardini Questions about Vitamin D
9:15-10:45	Panel Title: Steroid Hormones in Pediatric Endocrine Disorders
	Panel Members: Dr. Maryam Razzaghy Azar, Dr. Mona Nourbakhsh, Dr. Mehdi Vafadar, Dr. Davoud Amirkashani
	Dr. Maryam Razzaghy Azar: Apparent mineralocorticoid excess; from discovery to treatment
	Dr. Mona Nourbakhsh: Diagnosing resistance to adrenal steroids: Overcoming clinical obstacles Dr. Mehdi Vafadar: Alterations of gonadal hormone levels through sexual development Dr. Davoud Amirkashani: Challenges of sex determination in disorders of sex development
10:45-11:00	Break
11:00-12:30	Panel Title: Osteoporosis and Sarcopenia
	Panel Members: Dr. Afshin Ostovar, Dr. Ramin Heshmat, Dr. Neko Panahi, Dr. Noushin Fahimfar, Dr. Farideh Razi, Dr. Parvin Pasalar
	Dr. Afshin Ostovar: Epidemiology of Osteoporosis and Fracture
	Dr. Ramin Heshmat: Epidemiology, Diagnosis and Markers of Sarcopenia
	Dr. Neko Panahi: Metabolites associated with osteoporosis Dr. Noushin Fahimfar: Map of calcium consumption and vitamin D level in the country Dr. Farideh Razi: The role of the laboratory in the diagnosis and follow-up of osteoporosis
12:30-13:30	Pray and Lunch
13:30-14:15	Keynote Speaker: Dr. Jim Robert Bonham The role of newborn screening in the early detection of rare disorders: doing good and avoiding harm
14:15-15:45	Panel Title: The Impact of Natural Products on Health and Disease
	Panel Members: Dr. Thomas Efferth, Dr. Shahin Akhondzadeh, Dr. Hossein Hosseinzadeh, Dr. Seyedeh Zahra Bathaei
	Dr. Thomas Efferth: Induction of multiple mechanisms of programmed cell death by natural products
	Dr. Shahin Akhondzadeh: Twenty years of clinical research on the psychotropic effects of saffron: Rozbeh Hospital experience Dr. Hossein Hosseinzadeh: Drug Repurposing and metabolic syndrome Dr. Seyedeh Zahra Bathaei: The Effect of Small Molecules and Natural Products on Aggregated Proteins Related to Alzheimer's Disease, and Other Neurodegenerative Diseases
16:15-17:45	Panel Title: Application of Artificial Intelligence in Medical Diagnostic Laboratory Businesses
	Panel Members: Dr. Mohammad Javad Rasaee, Dr. Samaneh Bagheri, Dr. Seyyed Mehdi Ebrahimi, Dr. Toktam Dehghan, Dr. Elham Monifi
	Dr. Mohammad Javad Rasaee: Creating a business based on scientific findings
	Dr. Samaneh Bagheri: Application and challenges of AI technology in medical sciences
	Dr. Seyyed Mehdi Ebrahimi: Big data in the clinical laboratory Dr. Toktam Dehghan: Artificial intelligence and genetic data analysis Dr. Elham Monifi: Amythist: The first Iranian Karyotyping software



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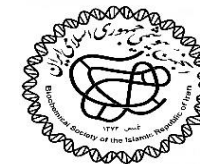


Day 3 (October 25, 2024)

Time	Hall 2
	1 st National Symposium of Trace Elements
	Panel Title: The Role of Trace Elements in Health and Disease
9:15-10:45	<p>Panel Members: Dr. Aliasghar Moshtaghi, Dr. Seyed Alireza Mesbah-Namin, Dr. Abbas Sahebghadam Lotfi</p> <p>Dr. Aliasghar Moshtaghi: Relationship between aluminum and iron metabolism in dialysis patients</p> <p>Dr. Seyed Alireza Mesbah-Namin: Common and different roles of zinc and copper in various types of cancer</p> <p>Dr. Abbas Sahebghadam Lotfi: Angiogenesis, anti-cancer and immunity, new horizons in trace elements application in health and diseases</p> <p>Hamidreza Shiri: The association between Arsenic levels and oxidative stress in myocardial infarction: A case-control study</p>
	Panel Title: Monitoring and Analysis of Trace Elements
11:00-12:30	<p>Panel Members: Dr. Jalal Hasan, Dr. Fatemeh Maghool, Dr. Naeemeh Zari, Dr. Mahsa Nazraz</p> <p>Dr. Jalal Hasan: The importance of measuring elements in biological samples</p> <p>Dr. Fatemeh Maghool: Comprehensive Analysis of Heavy Metals and Essential Elements in Colorectal Cancer</p> <p>Dr. Naeemeh Zari: The importance of measuring elements in medical geology</p> <p>Dr. Mahsa Nazraz: The importance of measuring elements in the food chain</p>
	Panel Title: Recent Advances in Biochemical and Molecular Basis of the Diseases
14:15-15:45	<p>Panel Members: Dr. Mohammad Najafi, Dr. Majid Sirati, Dr. Khosrow Khajeh</p>
14:15-14:25	Mohammad Elahimanesh: Differential gene expression patterns in ST-elevation Myocardial Infarction and Non-ST-elevation Myocardial Infarction
14:25-14:35	Elham Shakerian: Exosomes of Whartons' jelly mesenchymal stem cells can recuperate hepatic fibrosis disease by reducing the NOXs genes expression
14:35-14:45	Navid Hosseini Mansoub: Evaluation of mesenchymal stem cells derived from different tissues on burn wound healing on diabetic rats
14:45-14:55	Sahar Mazloomi: Granulosa cells isolated from immature follicles are associated with restricted glycolysis and reduced energy production: a dominant problem in polycystic ovary syndrome
14:55-15:05	Reza khodarahmi: Cyclophilin A increase 1N4R tau protein aggregation, a key factor often overlooked in Alzheimer's disease pathogenesis
15:05-15:15	Afsaneh Hajihassani: Investigating the Role of Microbiome-Derived Short-Chain Fatty Acids as Early Markers of Metabolic Syndrome: Insights for Clinical Diagnostics
15:15-15:25	Amir Valizadeh: Cell therapy using co-treatment mesenchymal stem cells with exosomes obtained from the umbilical cord in infertile women due to Asherman syndrome
15:25-15:35	Hossein Fallah: Investigating the relationship between the expression of miR-153, FFAR-4 and oxidative stress indices with CT angiography data in patients with atherosclerosis symptoms in Kerman
15:35-15:45	Sama Yavari: Enhancing Hesperidin Delivery via Niosomes: Effects on Locomotor Activity and Proenkephalin Protein Expression in Depressed Rats
15:45-15:55	Masoumeh Aliabadi: Assessment of a Novel Designed Peptide's Anti-endotoxin and Hemolytic Activities, and Cytotoxicity: An In Silico and In Vitro Study
	Panel Title: Recent Advances in NanoMedicine/Molecular Biology
16:00-17:50	<p>Panel Members: Dr. Durdi Qujeq, Dr. Ghollam-Reza Moshtaghi-Kashanian, Dr. Mohamad Hasan Khadem Ansari</p>



Scientific Program of ICBMB2024



16:00-16:10	Amirabbas Fazelnejad: Electrospun silk nanofibers improve differentiation potential of human induced pluripotent stem cells to insulin producing cells
16:10-16:20	Zoha Babaei Afrapoli: Non-enzymatic Paper Strip Sensor Based on Peroxidase-Like Activity of Prussian Blue-Coated Fe ₂ O ₃ Nanoparticles for the Detection of H ₂ O ₂
16:20-16:30	Seyyed Mohammad Hashemi: Chitosan Nanoparticles as a Vehicle for Enhanced Nephroprotection: A Study on Cisplatin-Induced Nephrotoxicity
16:30-16:40	Farzaneh Abbasinezhad-Moud: Pre-treatment with Thymol and Thymol-loaded selenium nanoparticles reduces apoptosis and oxidative damage in SH-SY5Y cells in a 6-hydroxydopamine-induced Parkinson's disease experimental model
16:40-16:50	Saeed Mohammadi: Indole-3-Carbinol Promotes M2 Macrophage Polarization via AhR Pathway and Glucose Transporter Regulation in THP-1 Macrophage-like Cells
17:00-17:10	Atiyeh Ale-Ahmad: Development and Characterization of Chitosan-Sodium Alginate-Calcium Chloride nanoparticles of Acetyl-11-Keto-beta-Boswellic Acid in HT29 colorectal cancer cells
17:10-17:20	Hannaneh Zarrinahad: Biological Assessment and Anticancer Effects of Green-Synthesized Selenium Nanoparticles
17:20-17:30	Behjat kheiri Yeghaneh Azar: MiRNA19a-3p as a promise biomarker in Breast cancer treatment in 2D and 3D cell culture in a microfluidic device
17:30-17:40	Moslem karami: Microfluidic biosensor for the Troponin I detection based on immunoassay
17:40-17:50	Maryam Baneshi: PCLO variations cause Pontocerebellar Hypoplasia type 3: a novel variant in PCLO and CRISPR-edited cells-based WES results



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Mini-Oral Presentations Time Table

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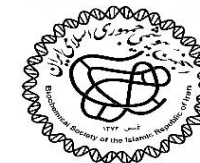
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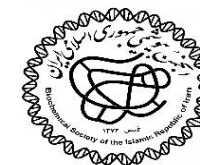


Day 1 (October 23, 2024)

Time	Electronic Display Systems 1-5	
16:00-18:00	Recent Advances in Nutritional Biochemistry and Molecular Biology	
16:00-16:05	Display System 1	A-10-2321-1: Saba Foroughi: Investigating the effect of resveratrol and black grape extract on NMDAR gene expression related to Alzheimer's disease in PC12 model cells
16:05-16:10		A-10-2167-1 Behnaz Majidi: Investigation of the expression level of NLRP3 inflammasome complex genes in patients with type 2 diabetes consuming single and combined sesame and canola oil
16:10-16:15		A-10-2187-2 Tooba Abdizadeh: Molecular docking and ADME studies of berberine against monkeypox virus methyltransferase VP39
16:15-16:20		A-10-2235-2 Mohammad Reza Pour Mohammad: Investigating the effect of aqueous extract of Crocus sativus on the process of angiogenesis of the chorioallantoic membrane of chick embryos
16:20-16:25		A-10-2360-1 Shokouh Rahmatipour: Determining the effect of calcitriol supplementation on oxidative stress biomarkers in an experimental stroke model
16:25-16:30		A-10-2375-1 Marzieh Neykhonji: Protective Effects of Herbal Drug in Rat Model of Post-surgical Uterine Adhesion
16:30-16:35		A-10-2151-2 Zahra Mehrabi: Comparative investigation of Pin1 gene expression in tumor tissue with tumor border tissue and its relationship with b-catenin and cyclin D1 gene expression levels in patients with colorectal cancer
16:35-16:40		A-10-2195-1 Shayan Marhamati: Exploring the Relationship Between miR-16-5p and PDK4 in Fatty Liver Disease: Evidence from Clinical and Microarray Studies
16:40-16:45		A-10-2199-1 Sohrab Minaei Beyrami: Complete inhibition of phosphatase and tensin homolog promotes the normal and oxygen-glucose deprivation/reperfusion-injured PC12 cells to cell death
16:45-16:50		A-10-2235-1 Mohammad Reza Pour Mohammad: Investigating the effect of aqueous extract of Crocus sativus on the expression of FGF and VEGF genes in chicken embryos
16:50-16:55		A-10-2262-1 Zahra faghghian: Sestrin2, NFATc1 and NRF2 in PBMCs of patients with ankylosing spondylitis treated with TNF-a antagonist compared to the without receiving this treatment and control group
16:55-17:00		A-10-2306-1 Mahdi Majidpour: IL-18 and CD14 variants in chronic HBV predisposition: a case-control study with in Silico analyses focused on transcription and splicing
17:00-17:05		A-10-2312-1



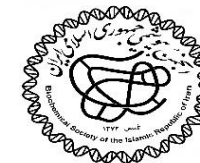
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		Jafari Fatemeh: Effect of Mir-27 and Mir-27 on initiation and progression of breast cancer
17:05-17:10	A-10-2319-1	Romina Malakouti: Comparison of SESN2, NFATC1 and NRF2 in PBMCs of patients with the newly diagnosed rheumatoid arthritis with under treatment patients
17:10-17:15	A-10-2322-1	Seyedeh Somayeh Hosseini Alarzi: Construction of an expression vector encoding HIV-1 Nef-Tat antigen linked to an antimicrobial peptide
17:15-17:20	A-10-2333-1	Vajiheh Khodadadzadeh: The regulatory relationship between miR-206 and K-Ras: for understanding the molecular mechanisms in prevention of gastrointestinal cancer
17:20-17:25	A-10-2347-1	Sahar Yarahmadi: Attenuation of the non-alcoholic fatty liver disease in C57/BL6 mice by targeting SIRT1/AMPK/Smad3/TGF- β genes and miRNA-141 by resveratrol
17:25-17:30	A-10-2349-1	Esmaeel Babaeenezhad: Nephroprotective effects of linalool against gentamicin-mediated nephrotoxicity through its antioxidant and anti-apoptotic activities
16:00-18:00	Cancer Biochemistry	
16:00-16:05	A_10_2549_1	Reza moradi: Design and manufacture of starch gelatin nanocarrier containing curcumin drug for cancer treatment
16:05-16:10	A-10-3029-1	Nasim Asghari: Preparation and investigation of the properties of Fe3O4/Chitosan/PCL/PEG/HA/siRNA/Drug nanoparticles in order to deliver drugs to MCF-7 cells
16:10-16:15	A-10-2151-1	Zahra Mehrabi: Down expression of Zyxin is associated with down expression of P53 in Colorectal cancer
16:15-16:20	A-10-2157-1	Sara Mehri: Application of Nanocurcumin in Acute Lymphocytic Leukemia Treatment
16:20-16:25	A-10-2164-1	Tooba Yousefi: Effect of Histamine Treatment on the Proliferation of Oral Squamous Cell Carcinoma (OSCC) and downstream Genes
16:25-16:30	A-10-2193-1	Fahima Danesh Pouya: Chemotherapy against colorectal cancer cells: delivery of pioglitazone hydrochloride by polycaprolactone-polyethylene glycol carrier
16:30-16:35	A-10-2193-2	Fahima, Danesh Pouya: MicroRNAs as therapeutic targets in breast cancer metastasis
16:35-16:40	A-10-2193-3:	Fahima, Danesh Pouya: Performance of capecitabine in novel combination therapies in colorectal cancer
16:40-16:45	A-10-2197-2	Fatemeh Babajani: Investigation of the expression of HNF3 β and STAT3 genes in patients with Colorectal Cancer and evaluating their potential as biomarkers
16:45-16:50	A-10-2197-3	Fatemeh Babajani: Alteration in the expression of PELP1 and c-Src genes in tumor tissue of colorectal cancer patient
16:50-16:55	A-10-2198-1	



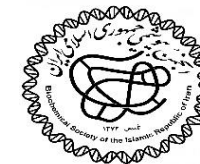
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	Display System 2	
		Zahra Taghinejad: A systematic review of the mechanisms and signaling pathways of Flutetozumab in treating acute myeloid leukemia
16:55-17:00		A-10-2208-1 Laleh Arzi: Anti-proliferative and proapoptotic potency of Rosmarinus officinalis L. extract on triple negative breast cancer cells via impeding wnt/ β -catenin signaling pathway
17:00-17:05		A-10-2217-1 Mohammad Kazemi: Understanding Biochemical Paraneoplastic Abnormalities and Plasmonic Photothermal Therapy in Female Dogs with Mammary Neoplasms
17:05-17:10		A-10-2231-1 Arshiya Mesbah Mousavi: Drug Repositioning in Colorectal Cancer: A Promising Strategy for Enhanced Therapeutics
17:10-17:15		A-10-2231-2 Arshiya Mesbah Mousavi: A Systematic Review of Colorectal Cancer Induction Methods in C57BL/6 Mice: Comparative Analysis with Emphasis on Orthotopic Transplantation Techniques
17:15-17:20		A-10-2231-3 Arshiya Mesbah Mousavi: Biosynthesis of Silver doped Zinc Oxide Nanoparticles Using Juniperus sabina Extract and Their Anticancer Efficacy on HT29 Colorectal Cancer Cells
17:20-17:25		A-10-2252-1 Fereshteh Barjesteh: Testosterone, β -estradiol and hepatocellular carcinoma: stimulation or inhibition? A comparative effect analysis on cell cycle, apoptosis and Wnt signaling of HepG2 cells
17:25-17:30		A-10-2253-1 Iraj Saadat: A combination of p-coumaric acid and metformin enhances the cytotoxicity of carboplatin and epirubicin in the gastric cancer cell line AGS
17:30-17:35		A-10-2260-1 Omid Mohammadzadeh: Development and Evaluation of Anticancer Effects of Resveratrol-Loaded Nanoparticles for Prostate Cancer Therapy
17:35-17:40		A-10-2314-1 Solmaz Yolme: miRNA-Based Diagnosis of Non-Small Cell Lung Cancer Using miR-21 and let-7
17:40-17:45		A-10-2327-1 Mobina Rezazadeh Sharak: The new study on everolimus affected signaling in breast cancer
17:45-17:50		A-10-2333-2 Vajihah Khodadadzadeh: MicroRNA-206 can inhibit the expression of HDAC4 for treatment in gastrointestinal cancer
17:50-17:55		A-10-2335-2 Parisa Khanicheragh: Alginate-gelatin hydrogel microcapsulation for generation breast cancer tumoroids
17:55-18:00		A-10-2340-1 Amin Alaei: Contributing Role of MicroRNAs in Epithelial-Mesenchymal Transition in Colorectal Cancer
18:00-18:05		A-10-2340-2 Amin Alaei: PRMT5 inhibitor therapy in RB1 deficiency-related breast cancer
18:05-18:10		A-10-2340-3 Amin Alaei: Recent approaches in Antisense oligonucleotides therapy in cancers
18:10-18:15		A-10-2346-1 Mahdieh Soleimani: The role of Glutaminase Enzyme Inhibition in targeting metabolic pathway in breast cancer: A systematic review study



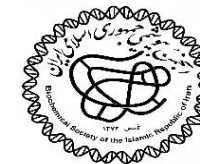
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18:15-18:20		A-10-2347-3 Sahar Yarahmadi: Dual roles of miR-206 in breast cancer pathogenesis: A review of current evidence and opportunities for future studies
16:00-18:00	Recent Advances in Clinical Biochemistry	
16:00-16:05		A-10-2759-1 Zahra Najafi: Comparison between Colchicine and Nano-Albumin-Colchicine cytotoxicity effects on human lymphocyte cells
16:05-16:10		A-10-2197-1 Fatemeh Babajani: Assessing the possible association between MTHFR (rs1801133) and GPx-1 (rs1050450) polymorphisms with the risk of type 2 diabetes, diabetic neuropathy, and diabetic retinopathy
16:10-16:15		A-10-2203-1 Mohammad Amin Vaezi: Evaluation of Gene and Protein Expression Profiles of IGF-1 Axis Mediators and MMP-9 in Patients with Primary Malignant and Benign Bone Tumors
16:15-16:20		A-10-2225-1 Fariba Nabatchian: A positive association of serum CCN5/WISP2 levels with the risk of developing gestational diabetes mellitus: a case-control Study
16:20-16:25		A-10-2227-1 Seyyed Mohammad Hosseini: Acetyl-L-carnitine administration can reverse microplastic hepatotoxicity in mice
16:25-16:30		A-10-2236-1 Zohreh Fagheei Aghmiyuni: Investigation of the relationship between Apelin levels and atherosclerosis severity in patients with coronary heart disease
16:30-16:35		A-10-2252-2 Fereshteh Barjesteh: The effect of hydroalcoholic seed extract of securigera securidaca on serum homocysteine levels and paraoxonase phenotypes in diabetic animal model treated by streptozotocin
16:35-16:40		A-10-2256-4 Fatemeh Khezri: Investigating the effect of COVID-19 on liver inflammatory factors
16:40-16:45		A-10-2257-1 Sahar Ghoflchi: Protective effect of herniarin against gentamicin-induced nephrotoxicity by improvement of inflammation
16:45-16:50		A-10-2260-2 Omid Mohammadzadeh: The association between FTO polymorphisms and T2DM: a systematic review
16:50-16:55		A-10-2269-1 Mozhdeh Khamesi: Determining the cut off of amino acids and acylcarnitine in the screening of metabolic diseases of newborns in Mazandaran province by Tandem mass spectrometry
16:55-17:00		A-10-2281-1 Zohreh Abdolvahabi: Increased of miR-7 and its correlation with sirtuin1 in non-alcoholic fatty liver disease
17:00-17:05		A-10-2292-1 Ziba Majidi: The Role of Galectin-3 and Kidney Injury Molecule-1 in the Biochemical Diagnosis of Chronic Kidney Disease in Iraqi Patients
17:05-17:10	Display System 3	A-10-2292-2 Ziba Majidi: Evaluating the Role of Vitamin D3 in Modulating Insulin Resistance and Glycemic Control Among Type 2 Diabetic Nephropathy Patients
17:10-17:15		A-10-2308-1 Elnaz Agi: Evaluation of two common mutations (IVS-II-I (G-A) and F508del) in β -Thalassemia major patients of Soodeh Medical Center, using Tetra ARMS PCR method



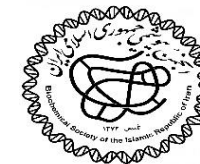
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17:15-17:20	A-10-2316-1 Fatemeh Bosak: Investigating the effect of combined treatment of inulin and resveratrol on apoptosis in pancreatic tissue of diabetic animal model
17:20-17:25	A-10-2316-2 Fatemeh Bosak: Combinational Effect of Inulin and Resveratrol on Inflammation in the Pancreatic Tissue of Diabetic Rats
17:25-17:30	A-10-2329-1 Kiana Falahati: Comparing and investigating the antidiabetic effects of hesperidin and piperine in rats with diabetes
17:30-17:35	A-10-2345-1 Houran Firouzian: The relationship between the use of Toll-like receptor 4 and the diagnosis of Urinary tract infection in children: A systematic review study
17:35-17:40	A-10-2357-1 Zahra Ali: Examining the expression of nidogen gene in the liver tissue of patients with cirrhosis caused by NASH, viral hepatitis, autoimmune hepatitis and primary sclerosing cholangitis, patients with simple non-alcoholic steatosis and control subjects
17:40-17:45	A-10-2357-2 Zahra Ali: Investigation of the serum insulin hormone level and the HOMA-IR in patients with metabolic and non-metabolic fatty liver disease and healthy individuals
17:45-17:50	A-10-2361-1 Reza Bayat: Investigating the effect of probiotics on metalloproteinase 9 enzyme in the chronic phase of stroke in rats
17:50-17:55	A-10-2361-2 Reza Bayat: Investigating the effect of probiotics on oxidative stress biomarkers in rat stroke model
17:55-18:00	A-10-2374-1 Bahare Koohshekan: Ameliorative effects of combination therapy with metformin and crocin in experimental colitis in rats
18:00-18:05	A-10-2386-2 Fatemeh Asgari: The effect of probiotics on tryptophan metabolism in the behavioral aspects of phenylketonuria
18:05-18:10	A-10-2388-2 Rahim Rostami: Low serum CXCL12 as anti-inflammatory cytokine enhances implantation defect and reduces endometrial receptivity in women with recurrent implantation failure
18:10-18:15	A-10-2397-3 Masoomeh Hamdi: Circulating CCN6/WISP3 in Type 2 Diabetes Mellitus Patients and its Correlation with Insulin Resistance and Inflammation; Statistical and Machine Learning Analyses
18:15-18:20	A-10-2399-3 Mohammadreza Roshanazadeh: Evaluation of Beclin1 and mTOR genes and p62 protein expression in breast tumor tissues of Iranian patients
18:20-18:25	A-10-2409-3 Farzane Ghorbani: Polyphenols as Regulators of ER Stress in Metabolic Disorders: A Systematic Review of Mechanisms and Therapeutic Potential
16:00-18:00	Docking and Bioinformatics and Nanomedicine
16:00-16:05	A-10-2187-1 Tooba Abdizadeh: Investigation of rosmarinic acid derivatives as potential DNA gyrase inhibitors using Molecular docking studie
16:05-16:10	A-10-2242-1 Zahra Shakeri: Inhibitory effect of Citrullus colocynthis compounds on beta-glucosidase using molecular docking



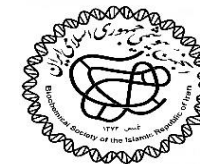
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16:10-16:15	Display System 4	A-10-2343-1 Atena Ghorbani Koozekanani: Quantum Mechanical Investigation of Zanubrutinib Drug
16:15-16:20		A-10-2348-1 Maedeh Eini: Structural Electronic Study of Lusutrombopag via Quantum Mechanical Calculations
16:20-16:25		A-10-2376-1 Mahdi Nasabizadeh: A Quantum Mechanical Investigation on Aprocitentan
16:25-16:30		A-10-2376-2 Mahdi Nasabizadeh: A Quantum Mechanical Investigation on Danicopan
16:30-16:35		A-10-2376-3 Mahdi Nasabizadeh: A Quantum Mechanical Investigation on Elafibranor
16:35-16:40		A-10-2382-1 Hananeh Latifi: Application of Quantum Mechanical Methods for the Evaluation of Granix
16:40-16:45		A-10-2382-2 Hananeh Latifi: A DFT Study on Tovorafenib
16:45-16:50		A-10-2385-1 Fatemeh Dezhgir: Electronic Investigation of the Deferasirox; A DFT Study
16:50-16:55		A-10-2171-1 Seyyed Mohammad Hashemi: Protective Role of Melatonin-Loaded Chitosan Nanoparticles Against Cisplatin-Induced Toxicity: An in-vivo Study
16:55-17:00		A-10-2212-1 Hanieh Nili: lipase recombinant from <i>Psychrobacter</i> sp. C18 immobilized on zinc oxide-chitosan nano matrix with high activity
17:00-17:05		A-10-2305-1 Mitra Rahimi Fathkouhi: Investigating the Effect of Nanoparticles Magnetic Graphene Oxide on the level of Intracytoplasmic Expression of Glutathione and Reactive Oxygen Species in MII Oocytes of NMRI Mice
17:05-17:10		A-10-2407-1 Maral Motamedi: Preparation of chitosan-modified PLGA nanoparticles containing carbon quantum dots
17:10-17:15		A-10-2522-1 Sara Alavi Bejandi: Quantum Study of Mekinist's Role in Inhibiting MAPK Pathway
16:00-18:00		Other Categories and Trace Elements
16:00-16:05	Display System 5	A-10-2165-1 Sahar Ahmadi Asouri : The Beneficial Effects of Vitamin D on Oxidative Stress in Ethanol-Dependent Rats
16:05-16:10		A-10-2181-1 Fatemeh Kazemi-Lomedasht: Exploring Antimicrobial Potential: In Silico Analysis of Hg-Scorpine-Like Peptide Identified in the Transcriptome of <i>Hemiscorpius lepturus</i>
16:10-16:15		A-10-2181-2 Fatemeh Kazemi-Lomedasht: Design, construction, and development of an Innovative Targeted Drug Delivery System Utilizing NRP-1 Peptide
16:15-16:20		A-10-2182-1 Mahshid Sadat Mirbagheri: Identifying the Structure of lysozyme after it interacts with catechin: A spectroscopic and analytical examination of the binding process
16:20-16:25		A-10-2200-1 Saman Sargazi: Impact of SLC30A8 rs13266634 polymorphism on Schizophrenia risk in Southeast Iranian population



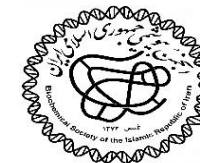
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16:25-16:30	A-10-2295-2 Hananeh pourzolfaghar: The Role of miRNA-132 in Alzheimer's Disease: Implications for Beta-Amyloid and Tau protein
16:30-16:35	A-10-2298-1 Serveh Javaheri: Colorimetric detection and determination of Glutathione in human serum based on peroxidase-like activity of MOF-808FA Frameworks
16:35-16:40	A-10-2301-1 Sanaz Malekpour barugh : Preparation of colorimetric serum glucose kit based on peroxidase mimic activity of Pt@MOF-808
16:40-16:45	A-10-2317-2 Mahdi Aghazadeh: The Application of CE and HPLC in hemoglobinopathy analysis
16:45-16:50	A-10-2341-1 Asal Ansari: A Quantum Mechanical Study of the anti-HIV Activity of the Etravirine



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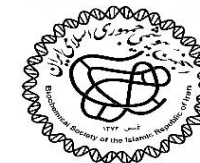


Day 2 (October 24, 2024)

Time	Electronic Display Systems 1-5	
8:30-10:30	Recent Advances in Nutritional Biochemistry and Molecular Biology	
8:30-8:35	Display System 1	A-10-2464-1 Maziar Kaffashbashi: Exploring the Anti-Fibrotic Potentials of Korean Red Ginseng in Alleviating Uterine Post-Surgical Adhesions
8:35-8:40		A-10-2482-1 Mahsa Tirmomenin: Investigating the tertiary structure of survivin protein in the presence of EDTA and Zn ²⁺ ion using intrinsic fluorescence
8:40-8:45		A-10-2487-1 Niloufar Torabi: In silico approach for evaluating potential effectiveness and mechanism of action of plant extracts
8:45-8:50		A-10-2508-1 Fariba Sakhaei: Biochemical parameters in diet-induced hypercholesterolemia rat model
8:50-8:55		A-10-2514-1 Niloufar Abdollahpour: Association Between Dietary Acid Load and Central Obesity: A Result of a Population-Based Study
8:55-9:00		A-10-2535-1 Ashkan Pourtavakoli: The effect of alcoholic ethyl acetate extract of pistachio Green Hull on testicular tissue in diabetic male rat
9:00-9:05		A-10-2349-2 Esmael Babaenezhad: Exogenous glutathione ameliorates gentamicin-induced nephrotoxicity by reducing oxidative stress and apoptosis
9:05-9:10		A-10-2358-1 Sahar Asgharzadeh: The Vitronectin (VTN) gene expression levels increased through the suppression of has-miR-34a-5p in patients with vessel restenosis
9:10-9:15		A-10-2359-1 Mina Afrashteh Nour: Alpha-7 Subunit of Nicotinic Acetylcholine Receptor Regulates PD-L1 and CTLA-4 Expression in HepG2 Cells
9:15-9:20		A-10-2363-1 Maryam Kazemimiraki: The effect of Bifidobacterium bifidum bacteria on the expression of cyclooxygenase-2 enzyme in peripheral blood mononuclear cells
9:20-9:25		A-10-2377-1 Reyhaneh taebi: The Role of nuclear factor erythroid 2-related factor 2 (Nrf2) Pathway in polycystic ovary syndrome: A systematic review
9:25-9:30		A-10-2388-1 Rahim Rostami: Down-regulation of steroid 5-alpha-reductase 1 (SRD5A1) and progesterone Receptor-B (PGR-B) impairs vascular remodeling and endometrial decidualization in women with recurrent implantation failure
9:30-9:35		A-10-2397-1 Amirreza Ghafourian: The impact of circulating exosomes obtained from young and old men on P53, P21 and stress oxidative in hematopoietic stem cells
9:35-9:40		A-10-2408-1 Mehrnaz Amjadi: TNF- α /NF- κ B Signaling Pathway in the MCF-7-derived Organoid Model Leads to Tamoxifen Resistance
9:40-9:45		A-10-2422-1 Keyvan Noori: Construction of a eukaryotic expression vector carrying the mouse Interleukin-21 gene
9:45-9:50	A-10-2427-1	



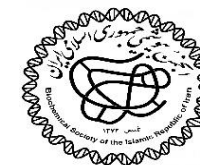
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		Raheleh Ahmadi: Molecular insights into the interaction between Human serum albumin and Endosulfan: multi-spectral experiments and computational simulations
9:50-9:55		A-10-2456-1 Omolbanin Sargazi-Aval: Blueberry Anthocyanins Modulate miR-17-3p Expression and Antioxidant Enzyme Levels in Human Cells
9:55-10:00		A-10-2459-1 Baharan Rahmani: Investigation methylation status of tumor suppressor genes NR4A1 and NR4A3 in patients with acute myeloid leukemia
8:30-10:30	Cancer Biochemistry	
8:30-8:35		A-10-2358-2 Sahar Asgharzadeh: miR-34a-SIRT1 loop in ovarian cancer
8:35-8:40		A-10-2359-2 Mina Afrashteh Nour: Prognostic Significance and Therapeutic Potential of Long Noncoding RNA GAS5 in Hepatocellular Carcinoma: A Systematic Review
8:40-8:45		A-10-2367-1 Saeede Dorostkar: PNU-74654 enhanced the antiproliferative activity of gemcitabine via targeting Wnt/ β -catenin Pathway in Pancreatic cancer
8:45-8:50		A-10-2367-2 Saeede Dorostkar: The predictive potential value of Collagen type IX alpha 1 chain in Colorectal Cancer: Integrative Analysis Using RNA/DNA Sequencing and Pan-Cancer Studies
8:50-8:55		A-10-2368-1 Aida Kamran: The Emerging role of T cell Chemokine Trafficking for the Treatment of Colon Cancer
8:55-9:00		A-10-2368-2 Aida Kamran: Innovative m $\gamma\delta$ -T cells -Based Strategies for Enhancing Radiotherapy in Nasopharyngeal carcinoma cancer
9:00-9:05		A-10-2369-1 Mahsa Mahdizadeh: Claudin-4 and human esophageal cancer tissue: a systematic review
9:05-9:10		A-10-2369-2 Mahsa Mahdizadeh: How fibulins change in gastric cancer: a systematic review
9:10-9:15		A-10-2378-1 Zahra Hoseini Yaghouti: Recent Advances in RGD Peptide conjugated nanoparticles system as a new strategy for Targeted Therapy in Colon Cancer
9:15-9:20	Display System 2	A-10-2398-1 Fatemeh Zarif Azam Kardani: Evaluation of the cell growth inhibitory and apoptotic effects of the pollen alcoholic extracts against breast cancer cell lines
9:20-9:25		A-10-2399-1 Mohammadreza Roshanazadeh: TRIM3 and TRIM16 as potential tumor suppressors in breast cancer patients
9:25-9:30		A-10-2399-2 Mohammadreza Roshanazadeh: TRIM14 and TRIM29 as potential tumor markers for breast cancer diagnosis
9:30-9:35		A-10-2405-2 Zeinab Babaei: $\alpha 2\beta 1$ Integrin Specific Inhibitor BTT-3033 Promotes Paclitaxel-Induced Apoptosis in Human Ovarian Cancer Cells
9:35-9:40		A-10-2406-1 Mohadese Pouryani: Combined Antioxidant Effects of Hesperidin and Quercetin in HepG2 Cell Line
9:40-9:45		A-10-2412-1



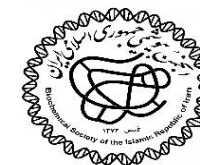
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		Parisa Kadkhoda: Investigating the comparative effect of 5-FU on the expression level of Glycotic genes in high glucose and normal glucose mediums in human colorectal cancer cells (HT-29) under hypoxic conditions
9:45-9:50		A-10-2435-1 Negar Dinarvand: Elongation of very long chain fatty acids protein 6 (ELOVL6) activity in human breast cancer
9:50-9:55		A-10-2451-1 Reyhaneh Motaghi: Targeting the genomic PI3K/AKT/mTOR pathway in triple-negative breast cancer
9:55-10:00		A-10-2452-1 Sahel Sarabandi: Comprehensive Meta-Analysis of Key Genes and Pathways in Breast Cancer Metastasis to Brain and Lung
10:00-10:05		A-10-2484-1 Mohammad javad askari: Analysis of overexpressed genes in stromal fibroblasts from breast cancer patients using in silico methods
10:05-10:10		A-10-2484-2 Mohammad javad askari: Association of 3:c.28+137C>G polymorphism (rs964372) in MT1B gene with risk of Breast Cancer: A Case-Control Study
10:10-10:15		A-10-2484-3 Mohammad javad askari: Association of 3:c.95-68T>C polymorphism (rs8052334) in MT1B Gene with risk of Breast Cancer: A Case-Control Study
10:15-10:20		A-10-2485-1 Setayesh Jabbari: The Emerging Role of Heat shock proteins as biomarkers for gastrointestinal cancers. A Review
10:20-10:25		A-10-2491-1 Ahmadreza Alipoor: Evaluation the efficacy of pH-sensitive RGD-modified nanoliposomes containing berberine on DU-145 human prostate cancer cell line
10:25-10:30		A-10-2493-1 Sepideh Ebrahimi: Uncovering Potential FAK1 Inhibitors for Cancer Metastasis through QSAR, Pharmacophore Modeling, and Molecular Docking Investigations
10:30-10:35		A-10-2505-1 Foruzan Amerizadeh: Deciphering the Role of Dysregulated miRNAs in Breast Cancer: Targeting the PI3K/AKT Pathway for Potential Therapeutic Advances
10:35-10:40		A-10-2519-2 Shirin Teymouri Nobari: Autophagy Potential of Polyphenols in Breast Carcinoma: A systematic review
10:40-10:45		A-10-2520-1 Zahra Shokati Eshkiki: The role of circulating NK cells and their immune receptors expression of CXCR3 and LFA1 in colorectal cancer patients' outcomes
10:45-10:50		A-10-2520-2 Zahra Shokati Eshkiki: Promising role of Chitosan and its Derivatives-based Nanoparticles in Gastrointestinal Cancer therapy
8:30-10.30	Recent Advances in Clinical Biochemistry	
8:30-8:35		A-10-2411-2 Marziyeh Bahari babadi: Microalbuminuria and Diabetes
8:35-8:40		A-10-2423-1 Fatemeh sadat Babaei: Hepatoprotective effects of Cerium oxide nanoparticles in Carbon tetrachloride-induced liver injury
8:40-8:45		A-10-2426-1 Matin Mohyadini: Eplerenone Mitigates ER Stress and Inflammation in Diabetic Cardiomyopathy
8:45-8:50		A-10-2908-1



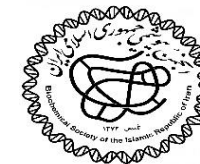
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		Fatemeh Faraji Khoshkroudi: Toxicity study of Aqueous Extracts of White and Brown Rice and Rice Bran in Zebrafish Larvae
8:50-8:55		A-10-2431-1 Fatemeh Mehvari: Correlation of vitamin E serum level with paraoxonase-1 enzyme activity in diabetic patients with or without coronary artery disease
8:55-9:00		A-10-2431-2 Fatemeh Mehvari: Correlation of vitamin E serum level with oxidation of the low-density lipoprotein in diabetic patients with or without coronary artery disease
9:00-9:05		A-10-2170-2 Abdolkarim Talebi Taheri: The investigation of gene expression changes in glutamate receptor subunits in peripheral blood lymphocytes of ischemic stroke patients
9:05-9:10		A-10-2461-1 Zahra hemmati: Relationship between PON1 promoter T (-107) C variant and Paraoxonase and Arylesterase activities in coronary artery disease
9:10-9:15		A-10-2463-1 Samira Abdollahi: SERPINA1 variants in metabolic dysfunction-associated steatotic liver disease (MASLD) predisposition: A case-control study
9:15-9:20		A-10-2465-1 shahrzad Sharifpour Vajari: Investigating the expression of phosphoglycerate mutase in hospitalized patients with covid-19 treated with remdesivir
9:20-9:25		A-10-2470-1 Zahra Arab Sadeghabadi: S100A12/TLR4 is essential for the inflammatory response in peripheral blood mononuclear cells of patients with severe coronary artery stenosis, suggesting its use as a potential diagnostic marker
9:25-9:30		A-10-2474-1 Mehdi Chaabzadeh: Current diagnostic methods for Cushing's syndrome and evaluate their efficacy
9:30-9:35		A-10-2559-1 Seyedeh-Fatemeh Mousavi-Ezmareh: The Effect of Hydroalcoholic Extract of Ferulago angulata on Liver Function Parameters and Antioxidant Status in Alloxan-Induced Diabetic Rats
9:35-9:40		A-10-2495-1 Banafsheh Yalameha: The dual effect of methylglyoxal on the viability of atherosclerotic vascular endothelial cells: a dose-dependent study
9:40-9:45	Display System 3	A-10-2498-1 Erfan Golestan nejad: Examining the serum level of MDA, TAC, TOS in patients with metabolic, non-metabolic fatty liver and control subjects
9:45-9:50		A-10-2509-1 Fouzieh Zadhoush: Effects of naringin on the plasma lipid profile in the non-alcoholic fatty liver rats' model under high-fat diet
9:50-9:55		A-10-2703-1 Seyed Arsalan Ghahari: Unveiling the Role of Copeptin as a Potential Biomarker in Polycystic Ovary Syndrome: A Systematic Review and Meta-analysis
9:55-10:00		A-10-2512-1 Sahere rouzbehan: Evaluation and comparison of erythrocytic G6PD (glucose 6 phosphate dehydrogenase) activity and the level of TSH and free T4 in people with minor beta thalassemia and normal population
10:00-10:05		A-10-2516-1 Maryam Rezaei: Impact of modifiable risk factors on prediction of 10-year cardiovascular disease utilizing Framingham risk score in Southwest Iran
10:05-10:10		A-10-2404-1



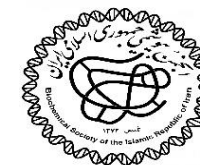
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		Mohammad Sharif Sharifani: Exploring the Antibacterial Properties of Marrubium vulgare L.: Caffeic Acid's Role in Inhibiting S. aureus and E. coli
10:10-10:15		A-10-2517-2 Abbas Nezhadebrahimi Kaldehi: A study examining both qualitative and quantitative approaches for assessing troponin I levels across three diagnostic and treatment facilities in Guilan province
10:15-10:20		A-10-2527-3 Elham shekarian: A combination of Diosmin and Saroglitazar effectively improves Nonalcoholic Fatty Liver Disease induced by a high-fat diet in Wistar rats
10:20-10:25		A-10-2545-1 Kiana Mohammadi: The Role of Antioxidants in the Treatment of Metabolic Dysfunction-Associated Fatty Liver Disease: A Systematic Review
10:25-10:30		A-10-2545-2 Kiana Mohammadi: The Relationship between Inflammatory Markers and NIHSS with Right- and Left-Sided Strokes: A Systematic Review
10:30-10:35		A-10-2546-1 Ali Rastegari: Increased serum α -synuclein is associated with increased REM sleep duration in chronic insomnia disorder
10:35-10:40		A-10-2546-1 Ali Rastegari: REM sleep duration is correlated with serum levels of pro-inflammatory cytokines interleukin-12 and interferon gamma in people with chronic insomnia disorder
10:40-10:45		A-10-2556-1 Amir Mohammad Zargar: Role of TGF- β 1 and TGF- β 3 in patients with metabolic and non-metabolic fatty liver disease
10:45-10:50		A-10-2587-1 Mohammad Mahdi Babajani: Association of Matrix Metalloproteinase-2 (MMP-2) and MMP-9 Promoter Variants, Their Serum Levels, and Activities with Aortic Valve Calcification (AVC) in a Population from Western Iran
8:30-10:30	Docking and Bioinformatics and Nanomedicine	
8:30-8:35	Display System 4	A-10-2393-1 Hamid Kianpour : A Quantum Mechanical Study of Rufinamide
8:35-8:40		A-10-2393-2 Hamid Kianpour: A Quantum Mechanical Study of Perphenazine
8:40-8:45		A-10-2393-3 Hamid Kianpour: A Quantum Mechanical Study of the Isotretinoin Drug
8:45-8:50		A-10-2394-1 Paria Vaezi: Quantum mechanical calculations on Dimethyl fumarate drug
8:50-8:55		A-10-2418-1 Arefeh Saeidi: A Quantum Mechanics Study on the Perfluorohexyloctane
8:55-9:00		A-10-2418-2 Arefeh Saeidi: A Quantum Mechanics Study on the Arformoterol
9:00-9:05		A-10-2418-3 Arefeh Saeidi: A Quantum Mechanics Study on the Carboprost Tromethamine
9:05-9:10		A-10-2420-1 Masoomah Bakhshandeh: Study of the gene network related to beta-arrestin 2 in VSMCs after the treatment with metformin in high glucose conditions
9:10-9:15		A-10-2444-1 Fatemeh Sajedi Khanian: A Quantum Mechanics Study on the Bicisate



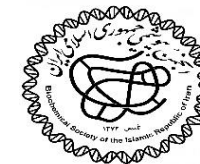
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9:15-9:20		A-10-2436-1 Fateme Nikfarjam: Bioinspired metal-organic framework nanozyme with enhanced peroxidase-like activity for the colorimetric detection of acetaminophen
9:20-9:25		A-10-2462-1 Roya Molavi: Biochemical feedback-based nanooptogenetic modulation for neurological disorders: advances and future directions
9:25-9:3		A-10-2525-2 Seyedeh Sara Sajjadi: Curcumin loading on Graphene oxide and Chitosan Nanoparticles to evaluate the induction of cytotoxicity and apoptosis in Esophageal cancer
8:30-10:30	Other Categories	
8:30-8:35		A-10-2442-1 Fatemeh Blaei: Designing and optimization of the expression of wild-type and mutants of recombinant Psychrophilic lipase from Psychrobacter sp. C18
8:35-8:40		A-10-2475-1 Niloufar Chaharlangi: Interaction between equine cardiac myoglobin and endosulfan using a combination of spectroscopy and molecular dynamics simulation techniques
8:40-8:45		A-10-2486-1 Erisa Bagherpour: Alternative Egg yolk IgY-based treatment for Helicobacter pylori: A Systematic Review
8:45-8:50		A-10-2489-2 Farzaneh Abbasinezhad-moud: Evaluating HTLV-1 Reverse Transcriptase Inhibitors as Potent Telomerase Inhibitors in Glioblastoma Multiforme
8:50-8:55		A-10-2501-1 Marzieh Kazazi: Iv vitro and in silico studies of some novel synthetic compounds against mushroom tyrosinase
8:55-9:00		A-10-2501-2 Marzieh Kazazi: Sulfonamide derivatives as tyrosinase inhibitors: a fluorescence spectroscopy study
9:00-9:05		A-10-2520-3 Zahra Shokati Eshkiki: Discovering New Pancreatic Adenocarcinoma Pathogenesis Biomarkers Using Three-Way Interaction
9:05-9:10		A-10-2526-1 Shaghayegh Taheri: The Effects of Royal Jelly Consumption on C-reactive Protein and Oxidative Stress in Adults: A Systematic Review and Meta-analysis
9:10-9:15		A-10-2528-1 Zeinab Seyedkhan: Immune response to antigenic stimulation by an experimental rabies vaccine
9:15-9:20	Display System 5	A-10-2529-1 Mohammad Javad Shojaei: A colorimetric approach for dopamine quantification in human serum leveraging the peroxidase-mimicking properties of MOF-2
9:20-9:25		A-10-2541-1 Fateme Masoudi: Exploring the relationship between mitochondrial DNA copy number and maximal aerobic capacity
9:25-9:30		A-10-2544-1 Davood Yari: Fabrication, Optimization and Biochemical Characterization of Biomimetic Hybrid Cartilage-Polymer Scaffold for Cartilage Tissue Engineering Application
9:30-9:35		A-10-2551-3 Atefeh Bahmei: Key genes modified by high-fat diet-induced gut microbiome changes in a mouse model of Barrett's esophagus



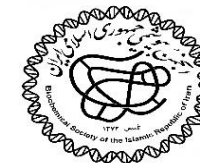
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9:35-9:40	A-10-2561-1 Yaser Ebrahimi: Synthesis, characterization, and cytotoxic effects of gallic acid-based carbon dots
9:40-9:45	A-10-2602-2 Parisa Bazahang: T-cell activation platforms: a critical step in T-cell immunotherapy
9:45-9:50	A-10-2605-2 Mahan Rezaie Poya: Is there any link between IgLON5 autoantibodies and chronic insomnia disorder?
9:50-9:55	A-10-2170-1 Abdolkarim Talebi Taheri: Spirulina platensis Ameliorates Cognitive Decline and Neuroinflammation in D-Galactose-Induced Aging Model Rats
9:55-10:00	A-10-2714-1 Parsa Seyedi: Hematopoietic Cell Kinase Increases Through the Lipid Treatment of Vascular Smooth Muscle Cells
10:00-10:05	A-10-2859-1 Taraneh Rezaei: The effect of monobenzone cream on oxidative stress and its relationship with serum levels of IL-1 β and IL-18 in vitiligo patients
10:05-10:10	A-10-2302-1 Mohammad Amin Niknezhad: anti-cancer effect of Bifidobacterium on Ovarian cancer cells
10:10-10:15	A-10-2518-1 Melika Emarati: Molecular Insights into Colorectal Cancer Stem Cells: A Path to Targeted Therapies
10:15-10:20	A-10-2725-1 Kosar Karimian: An overview of the biochemical properties and the anticancer effect of Ruta plant



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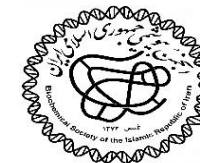


Day 2 (October 24, 2024)

Time	Electronic Display Systems 1-5	
16:00-18:00	Recent Advances in Nutritional Biochemistry and Molecular Biology	
16:00-16:05	Display System 1	A-10-2582-2 Ali Sadeghi: The Effects of Hydroalcoholic Extract of Teucrium polium on the Correlation of Lipids and Lipoproteins with Liver Enzymes in Hypertriglyceridemic Rats
16:05-16:10		A-10-2582-3 Ali Sadeghi: The Effects of the Hydroalcoholic Extract of Teucrium polium on Serum Levels of Adiponectin, CPK, and HS-CRP in Hypertriglyceridemic Rats
16:10-16:15		A-10-2625-1 Sara Salehian fard: Synthesis of a novel hydrogel nanocarrier made of PVA-Alginate-Sio2 for sustained delivery of curcumin
16:15-16:20		A-10-2642-1 Khadijeh Afshoun: Investigating the effect of capsaicin on the process of angiogenesis of the chorioallantoic membrane of chick embryos
16:20-16:25		A-10-2672-1 Tannaz Sakhavarz: Enhancing Effect of a Protoberberine Alkaloid on Osteogenic Differentiation Process of Human Mesenchymal Stem Cells
16:25-16:30		A-10-2723-1 Mohammadreza Bakhoda: Ameliorating the Toxicity Induced by L-arginine through Iris germanica Methanolic Extract in an Experimental Model of Acute Pancreatitis
16:30-16:35		A-10-2460-2 Adele Sadeghi: Investigation of DVL2 and DVL3 Gene Expression Involved in the WNT Pathway in Colorectal Cancer Patients
16:35-16:40		A-10-2527-1 Elham Shakerian: Curcumin ameliorates liver fibrosis disease by reducing fibrogenic genes in TGF- β activated Hepatic Stellate Cells
16:40-16:45		A-10-2533-1 Mobina Mahavar: FKBP51 and Cancer Stem Cells: Coordinating Cancer Progression through the Molecular axis
16:45-16:50		A-10-2533-2 Mobina Mahavar: FKBP51: Controlling the Tumor Microenvironment for Therapeutic Potential
16:50-16:55		A-10-2552-1 Elmira mahdinia: Evaluation of autophagy related ATG4B gene, protein and miR-655-3p expression levels in endometrial cancer and hyperplasi
16:55-17:00		A-10-2582-1 Ali Sadeghi: Investigating the Effect of Visfatin on the Gene Expression of Insulin Receptor and Glut4 in the Myocytic Cell Line C2C12 of Mouse
17:00-17:05		A-10-2603-2 Davood Rajabian: The Study of microRNAs in The Diagnosis of Viral Hepatitis: A Systematic Review
17:05-17:10		A-10-2622-3 Pejman Hosseinzadeh: Exploring the Apoptotic and Cytotoxic Effects of Thymol on C6 Malignant Glioblastoma Cells
17:10-17:15		A-10-2642-2 Khadijeh Afshoun: Investigating the effect of Sulforaphane on the process of angiogenesis of the chorioallantoic membrane of chick embryos



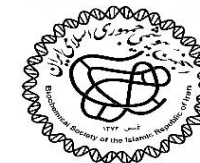
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17:15-17:20		A-10-2646-1 Elmira Aboutalebi Vand: Comparison of miR-155, miR-26a, miR-146a, and miR-132 expression in patients with Alzheimer disease and controls
17:20-17:25		A-10-2696-1 Amin Karimpour: lncRNA PKMYT1AR Promotes Glioblastoma Multiforme Growth by Downregulating miR-485-5p: Evidence from Tumor vs. Normal Tissue Expression Analysis
17:25-17:30		A-10-2696-2 Amin Karimpour: Using bioinformatic analysis to identify a ceRNA network and potential biomarkers in glioblastoma
16:00-18:00	Cancer Biochemistry	
16:00-16:05		A-10-2524-1 Mohammad Rezazadeh: The diagnostic role of the systemic inflammation index in patients with breast cancer: a systematic review and meta-analysis
16:05-16:10		A-10-2549-1 Reza moradi: Design and manufacture of starch gelatin nanocarrier containing curcumin drug for cancer treatment
16:10-16:15		A-10-2550-1 Hossein Javid: Synthesis of SLN nanoparticles Containing Naringenin decorated with Folate-conjugated Chitosan to Evaluate its Anticancer Effects
16:15-16:20		A-10-2550-2 Hossein Javid: The Anticancer role of Cerium Oxide Nanoparticles by Inducing Antioxidant Activity in Esophageal Cancer and Cancer Stem-like ESCC spheres
16:20-16:25		A-10-2550-3 Hossein Javid: Liposomes in Chemoimmunotherapy: A New Era of Treatment for Breast Cancer
16:25-16:30		A-10-2551-1 Atefeh Bahmei: Unveiling Prognostic miRNAs in B-Cell Acute Lymphoblastic Leukemia Through Microarray Analysis
16:30-16:35		A-10-2553-1 Nastaran Rezagholinejad: Exploring the Anti-Cancer Effects of ACEIs/ARBs in Colorectal Cancer Treatment
16:35-16:40		A-10-2558-2 Yousef Rasmii: Gallic acid-based carbon dots induce apoptosis related genes in colorectal cancer cell line
16:40-16:45		A-10-2562-1 Nazila Fathi Maroufi: Investigation of Melatonin Protective Effect on FGF Tumor Induction in Breast Cancer
16:45-16:50	Display System 2	A-10-2578-1 Somayeh bakhtiyari: DNA Methylation of FOXN3 and FOXO3 Genes and Its Association with DNMT3A rs2289195 Polymorphism and Clinicopathological Features in Acute Myeloid Leukemia Patients
16:50-16:55		A-10-2591-1 Kiana Salmani: Investigating important transcription factors and kinases in the progression of glioblastoma cancer in U87 cell line
16:55-17:00		A-10-2592-1 Ali Iranpour: Targeting Apoptosis Pathway Proteins to Overcome Cancer Cell Resistance: A systematic review
17:00-17:05		A-10-2602-3 Parisa Bazahang: The role of CAR-NK cells in cancer immunotherapy
17:05-17:10		A-10-2604-1 Hanieh Fadakar: Ferroptosis in Cancer: Unraveling the Mechanisms and Therapeutic Potential



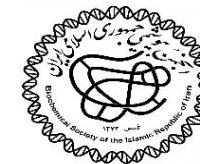
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17:10-17:15	A-10-2611-1 Fatemeh khalaj : The functional roles of the circRNA/wnt axis in colorectal cancer
17:15-17:20	A-10-2612-1 Mehrdad Ostadpoor : Cancer Stem Cells in Cancer Progression
17:20-17:25	A-10-2621-1 Mohamadreza Savaee : Investigating the Effects of Separate and Concomitant Use of Salinomycin and MK-2206 on Viability, Apoptosis, and Gene Expression of Human Gastric Adenocarcinoma Cells
17:25-17:30	A-10-2628-1 Mobina Tork : The Critical Role of Tumor Suppressor miRNAs in Cancer Treatment
17:30-17:35	A-10-2628-2 Mobina Tork: The significant role of miRNAs in the regulation of autophagy in Breast Cancer
17:35-17:40	A-10-2628-3 Mobina Tork : Using contemporary methods of Nano-therapy by delivering siRNAs in cancer treatment
17:40-17:45	A-10-2633-1 Elahe Firoze jahan : Aprepitant loading on Graphene oxide Nanoparticles to evaluate the induction of cytotoxicity and apoptosis in Glioblastoma cancer
17:45-17:50	A-10-2636-1 Reza Ganjali : Non-coding RNAs correlated to hepatoma-derived growth factor in ovarian cancer patients
17:50-17:55	A-10-2639-2 Mona Asnaashari : The impact of Microenvironmental and circulating Lactate on Breast Cancer progression
17:55-18:00	A-10-2648-1 Mahdi Abdoli Shadbad : Ferroptosis-regulating microRNA-mRNA networks in prostate adenocarcinoma: an in-silico study
18:00-18:05	A-10-2659-1 Fariba Mehdikhani : Relationship between FGFR2 expression and clinicopathological features in oral squamous cell carcinoma tumors
18:05-18:10	A-10 -2665 -2 Seyyed Ali Yousefi : Enzymes profile as diagnostic biomarkers of colorectal cancer
18:10-18:15	A-10-2671-1 Saman Parsaei : Evaluating the Cytotoxic Effects of Green Synthesized Zinc Oxide and Sodium doped Zinc Oxide Nanoparticles on Colorectal Cancer Cell Line
18:15-18:20	A-10-2671-2 Saman Parsaei : Green Synthesized Sodium-Doped Zinc Oxide Nanoparticles Induce Apoptosis in U87-Glioblastoma Cancer cell line
16:00-18:00	Recent Advances in Clinical Biochemistry
16:00-16:05	A-10-2590-1 Zahra Mohammadi : A meta-analysis study on the genetic biochemical disease of phenylketonuria using scientometrics
16:05-16:10	A-10-2605-1 Mahan Rezaie Poya : NLRP1 inflammasome- mediated peripheral inflammation as an inducer for diffusion abnormality in the lateral ventricles in chronic insomnia disorder
16:10-16:15	A-10-2612-2 Mehrdad Ostadpoor : Stem Cell Therapies for Treatment of Liver Disease
16:15-16:20	A-10-2613-1



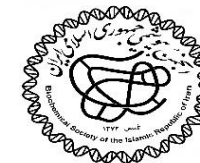
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		Ghahraman Abedi Firouzjaei: Effect of continuous endurance training (CET) intervention on the balance of bone metabolism and Irisin hormone level in diabetic patients
16:20-16:25		A-10-2618-1 Nasrin Dashti: Comprehensive Assessment of Mineral and Inflammatory Markers in Hemodialysis Patients
16:25-16:30		A-10-2618-2 Nasrin Dashti: Comprehensive Assessment of Mineral and Inflammatory Markers in Hemodialysis Patients
16:30-16:35		A-10-2622-2 Pejman Hosseinzadeh: Anti-apoptotic effects of hesperidin and orapten on 6-hydroxydopamine-induced neurodegeneration in SH-SY5Y cells
16:35-16:40		A-10-2626-1 Zahra Nazeri: Investigating the Impact of Serrata Boswellia Extract on Cholesterol 24-hydroxylase and HMG-CoA Reductase in Astrocytes Isolated from C57BL/6 Mouse
16:40-16:45		A-10-2644-2 Hanieh Valizadeh: A Review of Association Between Endoplasmic Reticulum Stress and Diabetic Nephropathy
16:45-16:50	Display System 3	A-10-2645-2 mohammadreza zarei: The effect of spirulina consumption on liver function enzymes and inflammation parameters in adults: a GRADE-assessed systematic review of randomized clinical trials
16:50-16:55		A-10-2649-1 Mohammad Arbaghaei: Alteration of Urea level in serum and saliva of patients with inflammatory bowel disease
16:55-17:00		A-10-2661-1 Mohammad Valilo: Association of interleukin1, 6, 18, and tumor necrosis factor α in patients with type 2 diabetes and controls
17:00-17:05		A-10-2677-1 Saeed Bahrapour: Cohort-based analysis of paternal opioid use in relation to offspring's BMI and plasma lipid profile
17:05-17:10		A-10-2680-1 Mohammad Javad Kouhian Afzal: Investigation of hematology and biochemical characteristics of coliform mastitis in the occurrence of acute laminitis in dairy cows
17:10-17:15		A-10-2401-1 Farhad Heidari: Antioxidant effects of betaine in oxidative stress
17:15-17:20		A-10-2681-1 Masoomeh Bahmanpoori Ghalehzan: Polymorphism of the Insulin Resistin (RETN) Gene in Susceptibility to Polycystic Ovary Syndrome (PCOS) in an Iranian Population
17:20-17:25		A-10-2697-1 Khadijeh Abbasi: Stearoyl-CoA Desaturase 1 Activity in White and Brown Adipocyte-like Cells
17:25-17:30		A-10-2701-1 Mahboobeh Sabeti Akbar-Abad: Unraveling the Role of Cathepsin B Variant in Polycystic Ovary Syndrome: Insights from a Case-Control Study and Computational Analyses
17:30-17:35		A-10-2705-1 Mahsa Ghodsi: The Roles of Aerobic Glycolysis and Oxidative Phosphorylation in Hepatocellular Carcinoma: Implications for Metabolic Adaptation and Therapeutic Strategies
17:35-17:40		A-10-2710-1 Payam Mohammadi: The study of has-miR-520a-3p and has-miR-193b-3p expression levels in patients with vessel restenosis
17:40-17:45		A-10-2729-2 Azin Arafi: Increased ROS production in PBMCs is correlated with decreased REM and non-REM duration in subjects with chronic insomnia disorder



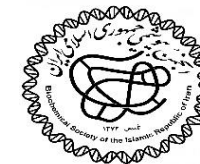
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17:45-17:50		A-10-2736-1 Ghazal Jebraeeli: The Impact of Nutritional Supplementation on Insulin Resistance and Ovarian Functions in Women with PCOS
17:50-17:55		A-10-2751-1 Farid Mahinizadeh: The use of artificial intelligence in Alzheimer's disease diagnosis: A systematic review
17:55-18:00		A-10-2751-2 Farid Mahinizadeh: Investigating the Relationship Between Depression, Anxiety, and Lipid Profiles in Participants Undergoing Coronary Angiography
18:00-18:05		A-10-2760-2 Ilia Abrishami: The association between ApoD polymorphism and Type 2 Diabetes (systematic review)
18:05-18:10		A-10-2760-3 Ilia Abrishami: Association between SLC6A4 gene and depression (a systematic review study)
16:00-18:00	Docking and Bioinformatics and Nanomedicine	
16:00-16:05		A-10-2444-2 Fatemeh Sajedi Khanian: A Quantum Mechanics Study on the Hexaminolevulinate
16:05-16:10		A-10-2444-3 Fatemeh Sajedi Khanian: A Quantum Mechanics Study on the Omaveloxolone
16:10-16:15		A-10-2510-1 Setareh Ahmadi: A DFT Study of Risdiplam
16:15-16:20		A-10-2523-1 Mahsa Mahmoudi: A DFT Study of Rezlidhia
16:20-16:25		A-10-2548-1 Helma Enayat: Quantum Computational Analysis of Mavacamten; A DFT Study
16:25-16:30		A-10-2548-2 Helma Enayat: Electronic Structural Investigation of Tirbanibulin; A Quantum Mechanics Study
16:30-16:35	Display System 4	A-10-2640-1 Fatemeh Borzouei: A Quantum Chemical Study of The Isotretinoin Drug
16:35-16:40		A-10-2700-1 Hamid Yaghooti: Exploring the Pharmacological Mechanisms of Capparis spinosa: Insights from Network Pharmacology and Molecular Docking Approaches
16:40-16:45		A-10-2622-1 Pejman Hosseinzadeh: investigating the cytotoxic effects of synthesized green cerium oxide nanoparticles on glioma and normal fibroblast cells
16:45-16:50		A-10-2739-1 Pariya Karami siya bidi: Separation and purification of hyaluronic acid by Fe ₃ O ₄ nano and micro particles coated with chitosan and silica
16:50-16:55		A-10-2782-1 Assal Farrokh Islamlou: Synthesis of Drug Delivery Nanosystem and Investigation of its Therapeutic agent Release Rate
16:55-17:00		A-10-994-1 Fatemeh Borzouei: A Quantum Chemical Study of The Isotretinoin Drug
17:00-17:05		A-10-2537-1 Shirin Salehi: Bioinformatics analysis of gene signatures in endometrial cancer with different grades reveals distinct patterns of DNA repair defects and shifts during tumor progression



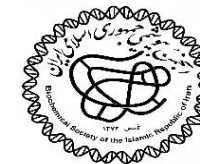
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17:05-17:10		A-10-2263-2 Mohammadreza Karbalaee: Nitazoxanide and Cancer Drug Resistance: Targeting Wnt/ β -catenin Signaling Pathway
17:10-17:15		A-10-2653-1 Parya Abdollahi: Investigating the rapid diagnostic value of Influenza A+B compared to the RT-PCR method, for preventing the spread of the virus
16:00-18:00	Other Categories	
16:00-16:05	Display System 5	A-10-2606-1 Amirhossein Ahmadi: Detection of superoxide anion based on the cytochrome c immobilization onto carboxylated carbon nanotube field effect transistor
16:05-16:10		A-10-2608-1 Alireza falahati: Novel carboxy methyl cellulose/gelatin hydrogel incorporating SiO_2 for doxorubicin delivery
16:10-16:15		A-10-2613-2 Ghahraman Abedi-Firouzjaei: Network pharmacology analysis to evaluate the mechanism of Prosopis farcta root extract on diabetes mellitus
16:15-16:20		A-10-2616-1 Mohammad Hossein Haghiri Ebrahim Abadi: AI-Driven Covalent Drug Design Strategies Targeting Main Protease (Mpro) Against SARS-CoV-2: Structural Insights and Molecular Mechanisms
16:20-16:25		A-10-2619-1 Bahareh Naeeni: The expression of anti-aging protein Klotho is increased during neural differentiation of bone marrow derived mesenchymal stem cells
16:25-16:30		A-10-2639-1 Mona Asnaashari: Unlocking the Potential of Aptamers: A Revolutionary Alternative to Antibodies for Enhanced Molecular Biomarker Detection
16:30-16:35		A-10-2645-1 mohammadreza zareii: Evaluation of Antioxidant Potential and Free Radical Scavenging Activity of Methanol Extract from Scrophularia striata
16:35-16:40		A-10-2674-1 Akram Sadat Seyedi Jasbi: The design and Synthesis of an antibacterial composite hydrogel based on gelatin/amniotic membrane/aminophylline and the evaluation of its biocompatibility in the presence of mesenchymal stem cells
16:40-16:45		A-10-2676-1 Negar Sattari Jahani: Comparison of two Anti-Microbials peptides Lactoferrin-B and Pleurocidin with the Raloxifene and effects on alpha-estrogen receptor
16:45-16:50		A-10-2685-2 Masumeh Jalalvand: Detection of a FAH gene variant using whole-exome sequencing and In silico analysis in a Lorestani child
16:50-16:55		A-10-2689-1 Sahar shemshadi: The synthesized, characterized and biological properties of gelatin/chitosan based composite hydrogel containing diprophylline for tissue engineering
16:55-17:00		A-10-2692-1 Erfan Jamei: Characterization of Volatile Chemical Composition and Fatty Acids Profiles In The Gracilaria Corticata
17:00-17:05		A-10-2695-1 Elaheh Gheybi: Enhancement of the antiproliferative and antimetastatic effect of chlorogenic acid by cyclodextrin-graphene oxide conjugates



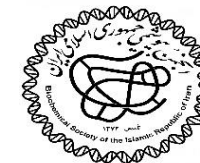
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17:05-17:10	A-10-2709-1 Faeze Ganjei: Nucleophosmin: A Phosphorylated Nucleolar Protein Regulating Cellular Stress Responses
17:10-17:15	A-10-2719-1 Fateme Pinevari: Utilizing Targeted Protein Degradation in Immunotherapy: Exploring the Interactions Between Proteolysis Targeting Chimeras and the Ubiquitin-Proteasome System
17:15-17:20	A-10-2747-1 Fatemeh Kalaki-Jouybari: Co-administration of NLRP3 inhibitor and naringin reduces inflammation and oxidative stress in cuprizone-induced demyelination model
17:20-17:25	A-10-2762-2 Shayan Vafaei: Exosome odyssey to original line in dental regeneration
17:25-17:30	A-10-2762-3 Shayan Vafaei: Adult neurogenesis: possible role of Crocin in CNS regeneration
17:30-17:35	A-10-2397-2 Reza Afrisham: CCN5/WISP2 serum levels in patients with coronary artery disease and type 2 diabetes and its correlation with inflammation and insulin resistance; A machine learning approach



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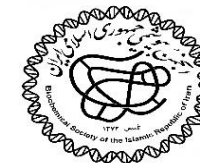


Day 3 (October 25, 2024)

Time	Electronic Display Systems 1-5	
8:30-10:30	Recent Advances in Nutritional Biochemistry and Molecular Biology	
8:30-8:35	Display System 1	A-10-2724-1 Sedighe Morakabati: The Effects of the Hydro-Alcoholic Extract of Black Walnut Kernels (<i>Juglans nigra</i>) on the Antioxidant Serum Level of Adult Male Rats Suffering from Methimazole-induced Hypothyroidism
8:35-8:40		A-10-2724-2 Sedighe Morakabati: Evaluating the number of flavonoid compositions, chelating activity of Punicaceae and Vitaceae compared to EDTA standard
8:40-8:45		A-10-2729-1 Azin Araft: The Association Between Maternal Selenium Levels and the Risk of Neural Tube Defects: A Systematic Review and Meta-Analysis
8:45-8:50		A-10-2765-1 Tahmine Ostovar: Capparis spinosa Fruit Hydroalcoholic Extract alleviated Paraquat-Induced Pulmonary Fibrosis in the Rat
8:50-8:55		A-10-2773-2 Tala hayati: Coffee and fermentation
8:55-9:00		A-10-2818-1 Sahbasadat khatami: Investigating the effects of medical graded honey (strong and weak) on the phenotype of HT-29 human colorectal cancer cells
9:00-9:05		A-10-2666-1 Najmeh Parvaz: Investigating the effect of Dexamethasone on BARR2 gene and protein expression levels in vascular smooth muscle cells
9:05-9:10		A-10-2718-1 Ali Zarei: Application of Mesenchymal stem cells (MSC) in bone regeneration: a systematic review
9:10-9:15		A-10-2730-1 Bahar Jabarian Asl: The Up-Regulation of miR-146a and miR-29b via Exosomes Protects Against Liver Fibrosis
9:15-9:20		A-10-2744-1 Samaneh Hemmati: lncRNA PKMYT1AR Promotes Glioblastoma Multiforme Growth by Downregulating miR-485-5p: Evidence from Tumor vs. Normal Tissue Expression Analysis
9:20-9:25		A-10-2755-1 Farnoosh Molavi: The protective potency of Vitamin E supplementation on working memory, oxidative stress and Age-Related Gene Expression in aged mice
9:25-9:30		A-10-2773-1 Tala hayati: Mechanism of action of cytokines IL-12, TNF, IL-10 in fungal infections
9:30-9:35		A-10-2781-1 Maryam Azimi: Investigating changes in CatSper gene expression and TDI index in testis tissue after treatment with Nisome Hesperidin in depressed rats
9:35-9:40		A-10-2794-1 Ehsan Larki Tork: Association of BCL11A genetic variant (rs11886868) and fetal hemoglobin in β -thalassemia Patients
9:40-9:45		A-10-2798-2 Javad Saffari-Chaleshtori: Investigation of the effects of omeprazole on CDKs 2,4, and 6 as a potential CDK inhibitor by simulation methods



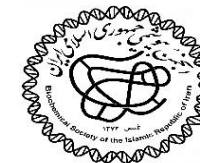
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9:45-9:50		A-10-2820-1 Fatemeh Sadeghi Nodoushan: Linking DNA Health to Fertility Outcomes in Unexplained Male Infertility
9:50-9:55		A-10-2856-1 Nafiseh Paysokhan: The effect of pomegranate extract on the induction of BAX Gene expression in MCF-7 cell lines
9:55-10:00		A-10-2871-2 Alireza Nourazarian: Metabolic Reprogramming in Tumor Microenvironments: A Comprehensive Meta-Analysis of Biochemical Alterations and Their Therapeutic Significance
8:30-10:30	Cancer Biochemistry	
8:30-8:35		A-10-2685-1 Masumeh Jalalvand: Green Synthesized Sodium-Doped Zinc Oxide Nanoparticles Induce Apoptosis in U87-Glioblastoma Cancer cell line
8:35-8:40		A-10-2705-2: Mahsa Ghodsi: Advanced Multiplexed Quantitative Proteomics: Pioneering Prostate Cancer Biomarker Discovery
8:40-8:45		A-10-2713-1 Negar Asadian: Targeting Mannose Metabolism: A Promising Approach for Cancer Treatment
8:45-8:50		A-10-2713-2 Negar Asadian: PROTACs: Innovative strategies for enhancing cancer immunotherapy
8:50-8:55		A-10-2717-1 Asal Golchin: Resveratrol Suppresses Colorectal Cancer Progression by Mitigating Oxidative DNA Damage through Modulation of the JNK Signaling Pathway
8:55-9:00		A-10-2718-2 Ali Zarei: The effect of vitamin D on the cell cycle of cancer cells: a systematic review
9:00-9:05	Display System 2	A-10-2733-1 Rahil Mostofi: PROTACs: Present and Future Promise as a Precision Medicine Approach in the Fight Against Cancer
9:05-9:10		A-10-2733-2 Rahil Mostofi: β -Glucan: A Powerful Adjuvant for Enhancing Immunotherapy in Gastrointestinal Tumors
9:10-9:15		A-10-2735-1 Sama Yousefi: Determination of the effect of Melatonin and Doxorubicin on KYSE30 Esophageal Cancer Cell Line
9:15-9:20		A-10-2740-1 Fatemeh Karimi: Investigating polymorphisms that play a role in colorectal cancer recurrence
9:20-9:25		A-10-2740-2 Fatemeh Karimi: Investigating polymorphisms that play a role in breast cancer recurrence
9:25-9:30		A-10-2754-1 Parisa Shishesaz: Study of antimetastatic effects of NIO-GIN nano-drug on MDA-MB-231 cell line
9:30-9:35		A-10-2761-1 Mahtab Hatami araghi: Association of AXIN1 rs12921862 C/A and rs1805105 C/T Polymorphisms with Gastric Cancer Risk
9:35-9:40		A-10-2783-2 Mohammad Hossein Saeidi Moghaddam: Investigating the effect of caspase-9 activation on the fate of glioblastoma_U87 cell line
9:40-9:45		A-10-2787-1 Farzad Farzamifar: Identifying Potential Biomarkers for Early Diagnosis in colorectal cancer
9:45-9:50		A-10-2793-1 Zahra Gharedaghi: Metabolic Disruption in Breast Cancer: Investigating the Anticancer Effects of Dual NAD ⁺ Inhibitor



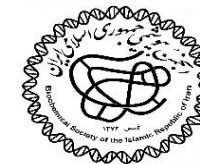
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9:50-9:55	A-10-2808-1 Rozhin Heidary: Expression and clinicopathological significance of PPAR- γ in human gastric cancer
9:55-10:00	A-10-2813-1 Mohammad Zahedi: Liquid biopsy and diagnosis of breast cancer, analysis of circulating tumor cells (CTCs): Systematic Review
10:00-10:05	A-10-2813-2 Mohammad Zahedi: Systematic Review of Recent Advances in Therapeutic Implications of EGFR and c-MET Inhibition in Triple Negative Breast Cancer
10:05-10:10	A-10-2814-1 Firooze Sayyadi: Investigating the mechanisms of Mitogen-Activated Protein Kinase Kinase 4 (MKK4) inhibition as a novel therapeutic approach in liver regeneration: A Systematic Review
10:10-10:15	A-10-2824-1 Amir Valizadeh: The role of linarin in increasing the sensitivity to 5-fluorouracil in colorectal cancer cells by targeting the PI3K/AKT/FOXO3a pathway
10:15-10:20	A-10-2824-2 Amir Valizadeh: Thymoquinone reversed Doxorubicin resistance in U87 glioblastoma cells via targeting PI3K/Akt/mTOR signaling
10:20-10:25	A-10-2829-1 Somaye Abolfathzadeh: Design and synthesis of polyamidoamine-alginate nanosystem attached to folic acid in order to deliver therapeutic agents to lung cancer cells
10:25-10:30	A-10-2832-1 Pegah Esmaeili: Effects of irreversible electroporation on death of triple negative breast cancer cells under in vitro condition
10:30-10:35	A-10-2846-1 Narges Zomorodi: Optimization of ZnO nanoparticle synthesis loaded with anti-cancer doxorubicin drug
10:35-10:40	A-10-2857-1 Fatemeh Monjezi: Calprotectin as emerging biomarker for multiple myeloma: A systematic review
10:40-10:45	A-10-2894-1 Abolfazl Zakavat Moghanlu: Evaluation of Nano Taurin effect of drug resistant reduce on the MKN45 gastric cancer cell line
10:45-10:50	A-10-2904-1 Maryam Ashourpour: Role of STAT3 signaling pathway in Lung cancer: A Systematic Review
10-50-10:55	A-10-2909-1 Manijeh Ebrahimzadeh: Evaluating the Effectiveness of Quercetin Nanoparticles in The Prevention and Treatment of Oral Mucositis During Radiotherapy for Head and Neck Cancers
8:30-10:30	Recent Advances in Clinical Biochemistry
8:30-8:35	A-10-2769-1 Asal Taraghikhah: Screening fecal calprotectin level as a marker in Alzheimer's disease and Parkinson's disease: A Systematic Review
8:35-8:40	A-10-2774-1 Mahtab Sadri: Investigating the Effect of Amitraz on Human Serum Albumin: Fourier Transform Infrared, Thermal Stability, and Molecular Dynamics Simulation
8:40-8:45	A-10-2775-1 Yeganeh Elsagh: Probing of the interaction between human serum albumin and phosalone: A combination of in vitro and silico studies
8:45-8:50	A-10-2776-1



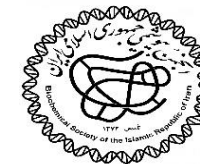
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		Toranj Sharifpour: The association of serum levels of hypoxia-inducible factor-1alpha with pre-eclampsia: A systematic review and meta-analysis
8:50-8:55		A-10-2780-1 Zahra zeynali: Comparative analysis of thyroid hormone levels in patients with glucose-6-phosphate dehydrogenase enzyme deficiency and healthy subjects
8:55-9:00		A-10-2785-1 Armina Khallizadegan: Isotretinoin's effect on serum lipids levels
9:00-9:05		A-10-2759-1 Zahra Najafi: Comparison between Colchicine and Nano-Albumin-Colchicine cytotoxicity effects on human lymphocyte cells
9:05-9:10		A-10-2788-1 Aida Navaei Feyz Abadi: Determine the Protective Effect of Aqueous Extracts of Jujube, Barberry, Descurainia Sophia, and Livergol from Non-alcoholic Fatty Liver Disease in an Animal Model
9:10-9:15		A-10-2759-1 Zahra Najafi: Comparison between Colchicine and Nano-Albumin-Colchicine cytotoxicity effects on human lymphocyte cells
9:15-9:20		A-10-2798-1 Javad Saffari-Chaleshtori: The relation between the apoptotic pathways in peripheral blood mononuclear cells (PBMCs) with coronary artery stenosis
9:20-9:25	Display System 3	A-10-2798-3 Javad Saffari-Chaleshtori: Investigation of the effects of Dandelion root hydro-alcoholic extract on PON1 enzyme activity in hyperlipidemia rats
9:25-9:30		A-10-2809-1 Somayeh Pashaei: Differential expression of neurodegeneration-related genes in SH-SY5Y neuroblastoma cells under the influence of Cyclophilin A: Could the enzyme be a likely trigger and therapeutic target for Alzheimer's disease?
9:30-9:35		A-10-2819-1 Zahra Abdollahi: High levels of HbA1c and FBS in diabetic retinopathy patients in Kashan
9:35-9:40		A-10-2823-1 Akram Gholipour: Impact of Danlou Tablet Treatment on Expression Profiling in Patients with Coronary Heart Disease
9:40-9:45		A-10-2840-1 Ramin Ahadzadegan Ahani: Investigating the immunogenicity of corona vaccine candidate (S1) produced in prokaryotic host
9:45-9:50		A-10-2849-1 Elham Akrami: Inflammatory indices IL-6, TNF- α , CRP, and hs-CRP in candidates for coronary artery bypass graft surgery
9:50-9:55		A-10-2863-1 Mohammadjavad Chenarani: The Association Between MC4R Gene Polymorphisms and Type 2 Diabetes Mellitus: A Systematic Review
9:55-10:00		A-10-2863-2 Mohammadjavad Chenarani: The relationship between chrono type and lifestyle with some biochemical factors based on Sabzevar Cohort Center data
10:00-10:05		A-10-2863-3 Mohammadjavad Chenarani: Investigating relationship between consumption pattern of different types of edible oils with blood pressure, blood sugar, lipid profile, hematology and antropometric factors in people referring to Sabzevar Persian Cohort Center
10:05-10:10		A-10-2869-1 Seyed Erfan Abutorabi: The association between ApoB polymorphisms and type 2 diabetes(T2D): a systematic review
10:10-10:15		A-10-2891-1 Ehsan Karimi: The effect of purslane supplementation on inflammatory and antioxidant markers in patients with rheumatoid arthritis: A parallel double-blinded randomized controlled clinical trial



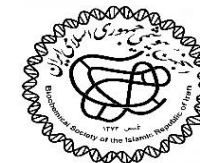
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10:15-10:20		A-10-2896-1 Sana Baesi: Examining the relationship between the consumption of various carbonated beverages and markers of none-alcoholic fatty liver: based on data from Sabzevar Cohort center
10:20-10:25		A-10-2896-2 Sana Baesi: Investigating the relationship between carbonated beverages consumption and diabetes in people referring to Sabzevar Persian Cohort Center
10:25-10:30		A-10-2937-1 Shaghayegh Hoseini: Inflammatory Cytokines Imbalance and Sleep Quality in Chronic Insomnia Disorder: A Case-Control Study
10:30-10:35		A-10-2948-1 Marzieh Sadat Mousavi Baboukani: Antioxidant Effect of Quercetin in Diabetic Retinopathy
10:35-10:40		A-10-2952-1 Ahmad Fazilat: Proteomic analysis of serum samples in ovulatory Polycystic Ovary Syndrome and construction of a Protein Interaction Pathway
10:40-10:45		A-10-2971-2 Hediyeh Hamidi: Associations Between PCOS Phenotypes and Hematological, Biochemical, and Hormonal Parameters in Iranian Women
10:45-10:50		A-10-2987-1 Anahita Esmaeili Mehr: Gender-Specific Gene Expression in Alzheimer's Disease
10:50-10:55		A-10-3017-1 Narges Mikaeili: Expression analysis of beta-secretase 1 (BACE1) enzyme in peripheral blood of patients with Alzheimer's disease
8:30-10:30	Docking and Bioinformatics and Nanomedicine	
8:30-8:35		A-10-2400-2 Farshid Aaliazar: Investigating the effect of palbociclib on P21 protein by molecular docking
8:35-8:40		A-10-2738-1 Zahra Foroughi: A Quantum Mechanical Investigation on Avacopan
8:40-8:45		A-10-2738-2 Zahra Foroughi: A Quantum Mechanical Investigation on Etrasimod
8:45-8:50		A-10-2766-1 Narjes Seddighi: NDUFS8: Specific Potential Gene based on TCGA datasets in Acute Myeloid Leukemia and Bioinformatics Analysis of its ceRNA network
8:50-8:55		A-10-2768-1 Shahab Pashaei: DFT study of structural, vibrational and electronic properties of Abametapir drug
8:55-9:00		A-10-2768-2 Shahab Pashaei: Quantum-mechanics DFT Computations of the Cromoglicic acid Drug
9:00-9:05	Display System 4	A-10-2768-3 Shahab Pashaei: Quantum-mechanics DFT Computations of the Zuranolone Drug
9:05-9:10		A-10-2789-1 Bahar Abolghasem: Lifitegrast: Quantum Mechanical Exploration
9:10-9:15		A-10-2789-2 Bahar Abolghasem: Metaxalone: A Quantum Mechanics Perspective
9:15-9:20		A-10-2789-3 Bahar Abolghasem: Quantum Mechanical Analysis of Ranolazine



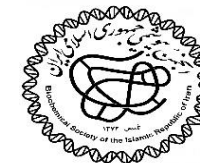
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9:20-9:25		A-10-2833-1 Saeedeh Tahazh: Gold nanoparticles in breast cancer treatment
9:25-9:30		A-10-2949-1 Naeimeh Bayatkhani: Targeted Delivery of Aflibercept to Retinoblastoma Cancer Cells Using Nano-carrier
9:30-9:35		A-10-2957-1 Maryam Moazeni : Nano-niosomal formulation of Spirulina platensis extract as a Potential Product for Hyperpigmentation
8:30-10.30	Other Categories	
8:30-8:35	Display Systems 5	A-10-2764-1 Somayeh Rahimi: Methylation Status and Regulatory Network of GPx1 in Preeclampsia
8:35-8:40		A-10-2767-1 Mahmoud Khatib: Application of fast silver staining method to detect von willebrand disease mutations using SSCP
8:40-8:45		A-10-2773-3 Tala hayati: An overview of alphaproteobacteria diversity
8:45-8:50		A-10-2779-1 Sanaz Asgharzadeh: Assessing Fenvalerate's Influence on the Structural Stability and Functionality of Lysozyme: A Combined Spectroscopic and Computational Study
8:50-8:55		A-10-2784-1 Tina Hassan Panah: M2e-HSP70 chimeric protein as an influenza vaccine candidate
8:55-9:00		A-10-2796-1 Mahnaz Moshtaghian: Intertwined pathologies; the shared mechanisms and signaling pathways of depression and migraine
9:00-9:05		A-10-2797-1 Behnam Abdizadeh: Isolation and characterization of industrial protease producing bacteria and production optimization
9:05-9:10		A-10-2816-1 Reza Mosayebian: Effect of a PPAR α Agonist on Osteogenic Differentiation of Human Mesenchymal Stem Cells
9:10-9:15		A-10-2817-1 Yazdan Ebrahimpour: From Allergies to Anticancer Agents: Investigating Pollen Alcoholic Extracts for Therapeutic Applications
9:15-9:20		A-10-2821-1 Mahsa Otarkhaniy: The therapeutic Potential of Niosome-loaded with Hesperidin" in change of Oxidative Stress Parameters in depression Model Rats
9:20-9:25		A-10-2827-1 Sedigheh Mohammadi: Genotypic and phenotypic spectrum of pontocerebellar hypoplasia type 3: novel variants in PCLO and literature review
9:25-9:30		A-10-2834-1 Maryam Rahimi: Presentation of a Novel TUBB2B gene Mutation: A Case Report from Northern Iran
9:30-9:35		A-10-2845-1 Reza Kouchaki: A systematic literature review of techniques for detection of glucose 6-phosphate dehydrogenase mutations
9:35-9:40		A-10-2861-1 Mohammad Hossien Pakrooh: Emerging Threats and Management Strategies for CTX-M-15 Producing Escherichia coli in Horses: A Review
9:40-9:45		A-10-2861-2 Mohammad Hossien Pakrooh: Systematic Review: Exploring the Impact of Dexmedetomidine and Isoflurane on Brain Development in Rodents and Potential Neuroprotective Strategies
9:45-9:50		A-10-2861-3 Mohammad Hossien Pakrooh: Prevalence of gastrointestinal parasites among herd dogs in Chaharmahal & Bakhtiari



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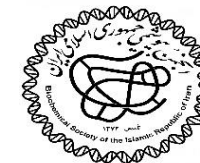


Day 3 (October 25, 2024)

Time	Electronic Display Systems 1-5	
16:00-18:00	Recent Advances in Nutritional Biochemistry and Molecular Biology	
16:00-16:05	Display System 1	A-10-2836-1 Parisa Gharedaghi: Comparing effect of saffron carotenoids crocin and crocetin treatment on PI3K/AKT/NRF2 signaling pathway of Alzheimer's disease
16:05-16:10		A-10-2837-1 Homa Mollaei: An overview on the biochemical and anticancer properties of red onion peel extract
16:10-16:15		A-10-2844-1 Mahsa Eskandari: Extraction of polyphenolic extract from propolis and investigation of its antioxidant properties
16:15-16:20		A-10-3111-1 Narges Torkashvand: Whole-genome sequencing of Salmonella phage vB_SenS_TUMS_E15 for bio-control in the food chain
16:20-16:25		A-10-2389-1 Roozbeh Kiani: The combined therapeutic effect of Salinomycin and D4476 on HCT116 Cells by targeting Autophagy and Ferroptosis
16:25-16:30		A-10-2879-1 Nasibeh Shamlou: Altered Expression of Interleukin-6 and Heparin-Binding Epidermal Growth Factor, in the Endometrium of Women with Hydrosalpinx
16:30-16:35		A-10-2974-1 Bitan Nazari: From molecular mechanisms to novel therapies: using TGF B as a therapeutic target in cancer
16:35-16:40		A-10-3072-1 Nima Nadizadeh: Fabrication and Catalytic Activity of Fe ₃ O ₄ Nanozymes to Induce Oxidative Stress and Apoptosis in Tumor Cells
16:40-16:45		A-10-3072-2 Nima Nadizadeh: Synthesis and Characterization of Biomimetic MnO ₂ Nanozymes with Intrinsic Enzymatic Activity and their ability to Overcome Hypoxia in Tumor Microenvironment
16:45-16:50		A-10-3131-1 Solmaz Allahverdi Meygooni: The Relationship Between Endometriosis and Adenomyosis Through The Reduction of TP53 Gene Expression
16:50-16:55		A-10-3132-1 Erfan Eftekhari: Determination of the genotype and construction of a phylogenetic tree of Theileria species in cattle from Marivan County
16:55-17:00		A-10-3150-1 Asra Asadollahi: Cancer inhibition through altered exosome content rather than drugs
17:00-17:05		A-10-3216-1 Amir Reza Eghtedari: Evaluation of the expression pattern and diagnostic value of PPAR γ in malignant and benign primary bone tumors
17:05-17:10		A-10-2771-1 Helia Vahedi: Protective effect of late embryogenesis abundant (LEA) protein from Artemia urmiana on luciferase and its structural analysis
16:00-18:00		Cancer Biochemistry
16:00-16:05		A-10-2951-2 Fatemeh fakhar: Microbiome Base Treatment: A Novel Target In Multiple Myeloma Therapy



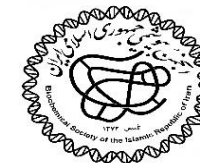
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16:05-16:10	Display System 2	A-10-2952-2 Ahmad Fazilat: Liquid Biopsy and its significance on the Early Detection of Breast Cancer
16:10-16:15		A-10-2958-1 Sina Goli Garmestani: Peptide and Geraphen Quantum Dots for Delivery of htsFLT01 to Retinoblastoma Cells
16:15-16:20		A-10-2960-1 Moein Shirzad: Impact of Doxorubicin Encapsulated in Human Adipose-Derived Exosomes on Inflammation in Co-culture System of Breast Cancer and Normal Cells
16:20-16:25		A-10-2972-1 Sina Shahshenas: Cytokeratin 19 expression in prostatic adenocarcinoma: a systematic review
16:25-16:30		A-10-2974-1 Bitra Nazari: From molecular mechanisms to novel therapies: using TGF B as a therapeutic target in cancer
16:30-16:35		A-10-2991-1 Mahdi Moassesfar: Investigation of the protein-protein network of colorectal cancer metastasis to human Hepatocellular carcinoma (HCC)
16:35-16:40		A-10-3002-1 Zahra Setayesh-Mehr: Evaluation of the cytotoxicity of two fractions extracted from scorpion venom on the breast cancer cell line SKBR3 and normal fibroblast HU-02
16:40-16:45		A-10-3027-2 Hossein Piri: In vitro evaluation of anti-proliferation effects of C-phycoyanin on human breast cancer cell (MCF-7) by molecular and cellular assessments
16:45-16:50		A-10-3031-1 Hanieh Hajzadeh: Histone Deacetylase Inhibitors: Mechanisms and Therapeutic Potential in Cancer Treatment
16:50-16:55		A-10-3066-1 Roya Malek Mohammadi: The Role of Monoclonal Antibodies in Cancer Treatment: Mechanisms and Clinical Applications
16:55-17:00		A-10-3075-1 Sara shakeri: Decreased of miR-613 and its correlation with Nicotinamide Phosphoribosyltransferase in ovarian cancer tissue
17:00-17:05		A-10-3077-1 Arefe majidi khameneh: Evaluation and compare the anticancer effect of pomegranate extract on MCF7 and MDA-MB-231 cell line
17:05-17:10		A-10-3085-1 Negar Nashat: The Emerging Role of FKBP Proteins in Lung Adenocarcinoma
17:10-17:15		A-10-3087-1 Maryam Abbaspour: Development of tumor cell lysate-based nanoparticles as a promising approach for breast cancer vaccine
17:15-17:20		A-10-3088-1 Helia Javadi: Advances in Tumor-Infiltrating Lymphocyte-Based Therapies for Cancer Immunotherapy
17:20-17:25		A-10-3095-1 Mahdokht Mohammad Esmaeili: Canertinib as An AKT1 Inhibitor: A Promising Therapeutic Strategy for Endometriosis in Light of Cancer Research
17:25-17:30		A-10-3106-1 Sarah Abdolmaleki: Computational de novo design of mini-protein binder against PD-1 receptor involved in cancer
17:30-17:35		A-10-3107-1 Saber Abbaszadeh: Biocompatibility, Cytotoxicity, Antimicrobial and Epigenetic Effects of Novel Chitosan-Based Quercetin Nanohydrogel in Human Cancer Cells
17:35-17:40		A-10-3108-1 Negin Khazae: The Role of Saikosaponin b2 in Inhibiting Angiogenesis in Cancer Therapy



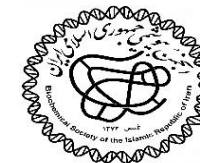
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17:40-17:45	A-10-3113-1 Mahdi Moassesfar: Advances in Tumor-Infiltrating Lymphocyte-Based Therapies for Cancer Immunotherapy
17:45-17:50	A-10-3114-1 Mahla Sakeni: The Emerging Role of Heat Shock Proteins in Colorectal cancer
17:50-17:55	A-10-3114-2 Mahla Sakeni: The Emerging Role of Heat Shock Proteins in Esophageal Cancer
17:55-18:00	A-10-3127-1 Zahra Samadi Moghaddam: Nanoalum Adjuvant Enhances Anti-Tumor Efficacy of E7 Epitope of HPV16 in a Mouse Model of Cervical Cancer
18:00-18:05	A-10-3128-1 Fatemeh Bashirian Alvars: Investigating Molecular Mechanisms in The Relationship Between Endometriosis and Endometrial Cancer; A Bioinformatic Analysis
18:05-18:10	A-10-3149-1 Behjat Nafari: Targeting vimentin: a multifaceted approach to combatting cancer metastasis and drug resistance
18:10-18:15	A-10-3211-1 Zahra Abbasian: Examining the Anti-cancer Properties of a Novel Imidazopyrimidine Compound on MDA-MB-231 Breast Cancer Cells
18:15-18:20	A-10-3216-2 Amir Reza Eghtedari: The expression changes of PD-L1 and immune response mediators are related to the severity of primary bone tumors
18:20-18:25	A-10-3217-2 Fatemeh Yaghoubi: Comparison of Laser and Ultrasound Effects on Temperature Increase in Graphene Oxide Nanoparticle Solutions for Thermal Treatment of Osteosarcoma Cancer Cells
16:00-18:00	Recent Advances in Clinical Biochemistry
16:00-16:05	A-10-3019-1 Fatemeh Poursalehi: The Association of Serum Levels of Phenobarbital and Phenytoin with Serotonin and Dopamine in Children with Epilepsy
16:05-16:10	A-10-3027-1 Hossein Piri: RAGE Gene Polymorphisms and Diabetic Nephropathy Risk in an Iranian Population
16:10-16:15	A-10-3057-1 Amirhossein Yazdi: The Impact of Oxidative Stress on Clinical and Radiological Outcomes in COVID-19 Patients
16:15-16:20	A-10-3082-3 Mohammad-Hassan Arjmand: The association between serum follistatin-like proteins and cardiovascular diseases-A systematic
16:20-16:25	A-10-3082-4 Mohammad-Hassan Arjmand: The Association between Circulating Adipocytokine Omentin Levels and Nonalcoholic Fatty Liver Disease: A systematic review and Meta-analysis
16:25-16:30	A-10-2388-3 Rahim Rostami: Exploring the downregulation of Chemerin, Visfatin, Nefestin and Resistin in the inflammatory response in women with RIF
16:30-16:35	A-10-3097-1 Parvin Mosaddeghi: Clinical and histological evaluations of low dose administration of silymarin in an EAE mouse model of multiple sclerosis: a pilot study
16:35-16:40	A-10-3098-1 Parva Atarod: The Effect of Flavonoids on Retinal Inflammation in Diabetic Retinopathy



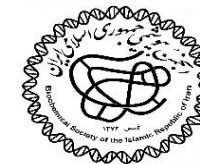
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16:40-16:45	Display System 3	A-10-3100-1 Elham Esmaeilzadeh: Role of pyroptosis and Fatty Liver Disease: a systematic review
16:45-16:50		A-10-3102-1 Zahra Hojati: The effects of disulfiram on biochemical markers of LPS-induced acute lung injury in rats
16:50-16:55		A-10-3103-1 Hanieh Taheri: Nanocurcumin Provides Protective Effects Against Testicular Torsion Injury in Rats
16:55-17:00		A-10-2370-1 Mahsa Attarian: Iranian Phytotherapy Against Uterine Adhesion Bands Formation
17:00-17:05		A-10-3121-1 Amirreza Ghafourian: CircRNAs as Biomarkers and Therapeutic Targets in Diabetic Foot Ulcers: A Systematic Review
17:05-17:10		A-10-3122-1 Narges shahmoradi: Role of efferocytosis in type 2 diabetes mellitus: a systematic review
17:10-17:15		A-10-3124-1 Aniseh Hatami: Insulin Resistance Improvement by Vitex agnus-castus Fruit Extract in Polycystic Ovary Syndrome
17:15-17:20		A-10-3124-2 Aniseh Hatami: The Effect of Vitex Plant on Serum Level of Anti-Mullerian Hormone in Individuals with Polycystic Ovary Syndrome: A Randomized, Double-Blind Controlled Clinical Trial Study
17:20-17:25		A-10-3124-3 Aniseh Hatami: The Effect of Chasteberry on Inflammatory Markers in Women with Polycystic Ovary Syndrome: A Randomized, Double-Blind Controlled Clinical Trial Study
17:25-17:30		A-10-3133-1 Ali Hakimzadeh: Performance of Artificial Neural Networks to Evaluate the Reciprocal Relationships between Carbohydrate and Lipid Metabolism Parameters
17:30-17:35		A-10-3133-2 Ali Hakimzadeh: Application of Feedforward Multilayer Perceptron Models to Determine the Oxidative Conditions in Human Plasma
17:35-17:40		A-10-3142-1 Zakariya Nasiri: The Relationship Between Type 2 Diabetes and Prostate Cancer Incidence: A Study on Patients in Isfahan Province (2018-2024)
17:40-17:45		A-10- 3148- 1 Ali Pouramini: Hypolipidemic effects of Arctium lappa root's hydro-alcoholic extract on nicotinamide-streptozotocin induced type 2 model of diabetes in male mice
17:45-17:50		A-10-3212-1 Soheil Talebi: Evaluation of the Effect of obesity on omentin gene expression in adipose tissue in type-1 and type-2 diabetic model of C57BL/6 mice
17:50-17:55		A-10-3213-1 Armin Taghizade: Coelomic fluid of the earthworm Eisenia induced wound healing process in diabetic rats.
17:55-18:00	A-10-3217-1 Fatemeh Yaghoubi: The Effect of Coenzyme Q10 Supplementation on Oxidative Stress: A Systematic Review and Meta-Analysis of Randomized Controlled Trials	
18:00-18:05	A-10-3217-3 Fatemeh Yaghoubi: Assessment of Demographic and Clinical Characteristics of COVID-19 Patients Referred to Khatam Al-Nabi'a (PBUH) Hospital in Shirvan	



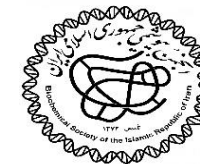
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18:05-18:10		A-10-3222-2 Zohreh Sadat Sangsefidi: Association Between Low Carbohydrate Diets and Non-Alcoholic Fatty Liver Disease: A Case-Control Study
16:00-18:00	Docking and Bioinformatics and Nanomedicine	
16:00-16:05	Display System 4	A-10-2667-1 Amir Safi: Identification of a drug candidate to target pyruvate kinase M2 in cancer cells' metabolism using drug repurposing and molecular docking methods
16:05-16:10		A-10-2839-1 Fatemeh Shahmansouri: Inhibition of Amyloid Fibrils by Flavonoid Compounds: A Docking Study
16:10-16:15		A-10-2858-1 Nazanin Zahra Shahmir: A Quantum Mechanical Investigation on BETAMETHASONE
16:15-16:20		A-10-2858-2 Nazanin Zahra Shahmir: A Quantum Mechanical Investigation on OXTELLAR XR
16:20-16:25		A-10-3061-1 Ali Hakimi: Designing Novel Rapamycin Binding Site Inhibitors of mTOR based on Terpenoids Compound: Insights from Molecular Docking, Structure-based Design, Virtual Screening, and Molecular Dynamics Simulation
16:25-16:30		A-10-3129-1 Pegah Gopour: Identification of Novel Inhibitors for Nicotinamide Phosphoribosyltransferase Through Pharmacophore-Based Screening and Molecular Docking
16:30-16:35		A_10_2581_1 Niloofer Jahanmardi : DFT study of structural, vibrational and electronic properties of Gepirone drug
16:35-16:40		A-10-2959-1 Maryam Ghasemi: Synthesis of Nano silver@oleuropein, Taurine for Skin healing with antibacterial characteristics
16:40-16:45		A-10-3064-1 Najme Sadat Hosseini: Synthesis of chitosan-alginate nanoparticles with high potential for gene and drug delivery
16:45-16:50		A-10-3090-1 Nazanin Rafiedoost: Enhancing Cancer Radiotherapy with Gold Nanoparticles and Natural Radiosensitizers: A Promising Approach
16:00-18:00		Other Categories and Trace Elements
16:00-16:05		A-10-2873-1 Fatemeh Babaeefar: Silymarin suppresses the inflammation in the Mouse Model of Allergic Asthma
16:05-16:10		A-10-2895-1 Sima Mohammadi: Investigating the mutual effect of bee venom and quercetin in the production of exosomes containing micromolecules effective in skin collagenization
16:10-16:15		A-10-2926-1 Danial Farahmand: Enhancing Drug Delivery of Glatiramer Acetate Through In vitro Development of Controlled-Release Nanoliposomes: Investigating Drug Release Kinetics and Cytotoxic Effects
16:15-16:20		A-10-2934-1 Soraya Emamgholizadeh Minaei: Z-scan Method for Discrimination between Glioblastoma Cancer Cells and Normal Cells
16:20-16:25		A-10-2971-1



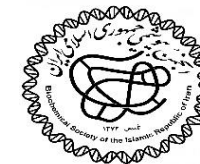
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		Hediyeh Hamidi: Prevalence of Polycystic Ovary Syndrome (PCOS) Phenotypes in Iranian Women
16:25-16:30	Display System 5	A-10-3016-1 Saba Rahimi: Advancements and Challenges in Pharmaceutical Biochemistry: A Systematic Review of Drug Mechanisms and Therapeutic Innovations
16:30-16:35		A-10-3018-1 Niloofer Niroomand Firoozabad: Reviving Vision: Cutting-Edge Stem Cell Therapies for Optic Nerve Regeneration
16:35-16:40		A-10-3030-1 Mohammad sadegh hoseini: Edge detection of lesions caused by gastritis using fuzzy adjustment algorithm
16:40-16:45		A-10-3058-1 Zahra Mahabadi: Comparison of Cellular Immunogenicity of Barekat and Spikogen Vaccines on Peripheral Blood Mononuclear Cells
16:45-16:50		A-10-3101-1 Masoud Ojarudi: Crosstalk between NLRP3 inflammasome and cardiac fibrosis: A systematic review
16:50-16:55		A-10-3154-1 Elham Parandavar: Premature Aging Occurs Through the Mitochondria Cuprizone Demyelinating Model of Multiple Sclerosis
16:55-17:00		A-10-2342-1 Saba komijani: Investigation of Quantum Computing of Cortifoam Drug
17:00-17:05		A-10-3168-1 Kimia Azimi: Phylogenetic analysis <i>Syctycercus bovis</i> in slaughtered cows in Sanandaj city
17:05-17:10		A-10-3222-1 Zohreh Sadat Sangsefidi: The Impact of Dark Chocolate on C-Reactive Protein Levels: A Systematic Review and Meta-Analysis of Randomized Controlled Trials
17:10-17:15		A-10-3222-3 Zohreh Sadat Sangsefidi: The Impact of Quercetin on Oxidative Stress Markers: A Systematic Review and Meta-Analysis of Randomized Controlled Trials
17:15-17:20		A-10-2790-1 Mojtaba Yahyaabadi: Effects of trace elements on soil organisms in urban and rural areas of Isfahan
17:20-17:25		A-10-2426-2 Matin Mohyadini: The antidiabetic effect of Lysine and a combination of Lys+VitC+Zn on Oxidative Stress, Endoplasmic Reticulum Stress, and Parthanatos in Type 2 diabetic (NA+STZ) Rats.
17:25-17:30		A-10-2431-3 Fatemeh Mehvari: The protective effect of selenium on the prevention of coronary artery disease in diabetic patients
17:30-17:35		A-10-2474-2 Mehdi Chaabzadeh: Trace Element Status and Asthma Risk in Iranian Newborns: Insights for Prevention, Treatment, and Monitoring
17:35-17:40		A-10-2509-2 Fouzieh Zadhoush: Effects of combination of empagliflozin plus metformin vs. metformin monotherapy on renal functions tests and serum calcium and magnesium levels in type 2 diabetic patients
17:40-17:45		A-10-2517-1 Abbas Nezhadebrahimi Kaldehi: The occurrence of anemia resulting from ferritin and TIBC deficiency among women patients referred to Imam Khomeini Hospital in Someh Sara
17:45-17:50		A-10-2680-2 Mohammad Javad Kouhian Afzal: Investigating the effect of treatment with ghrelin disease on the activity of testicular antioxidant enzymes following cadmium damage in rats
17:50-17:55		A-10-3117-1



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		Mostafa Vaghari-Tabari: Investigation of Serum Magnesium Status and Its Association with Oxidative and Inflammatory Markers in Prediabetic individuals
17:55-18:00		A-10-3094-1 Mehrdad Feizpour: Investigation of Serum Zinc Status and Its Association with Oxidative Stress Markers in Patients with Metabolic Syndrome
18:00-18:05		A-10-3140-1 Milad Fakhraei: comparison of atomic absorption of zinc, iron, copper, manganese, cadmium and arsenic elements in people infected with <i>Giardia lamblia</i> , <i>Blastocystis hominis</i> and healthy people
18:05-18:10		A-10-3163-1 Sahar Tajfirozeh: Evaluation of the Role of fluoride silicon and Lipid Peroxidation in Patients with Endometriosis