

24th Iranian Inorganic Chemistry Conference

24–25 December 2025



First Day 24 December

First Section

Place: Imam Reza Hall

<i>Program Section</i>		<i>Time</i>
<i>Opening Ceremony</i>		08:00 – 09:45
Plenary		
<i>Chair of Section:</i> Dr. Alireza Rezvani and Dr. Mojgan Zendehtdel		
<i>Speech Topic</i>	<i>Presenter</i>	<i>Time</i>
From Beautiful Patterns to Extraordinary Applications of Metal-Organic Frameworks (MOFs)	Dr. Majid Masteri-Farahani	09:45– 10:30
Hybrid Materials for Analytical Sample Preparation and Environmental Remediation: Insights Inspired by the 2025 Nobel Prize	Dr. Masoud Mirzaei Shahrabi	10:30 – 11:00
Molecular Dynamics Studies on Kinetic H ₂ /D ₂ Quantum Sieving in a Narrow Pore Metal–Organic Framework	Dr. German Sastre Navarro	11:00 – 11:30
<i>Pray and Lunch</i>		11:30 – 13:30

24th Iranian Inorganic Chemistry Conference

24-25 December 2025



Second Section

Place: Innovation and Technology Complex

Conference Hall 1

Chair of Section: Dr. Mohammadreza Iravani and Dr. Hadi Kargar Shouraki

<i>Speech Topic</i>	<i>Presenter</i>	<i>Time</i>
Design of Novel Terephthalate Cr/Cu MOFs as Dye Adsorbents and Antimicrobial Agents	Dr. Hamid Beyzaei	13:30 – 14:00
Application of Inorganic Complexes in the Treatment of Diabetes	Dr. Alireza Rezvani	14:00 – 14:30
Metal Alkoxides as Single-Source Precursors for High-Surface-Area Nano-Oxides: Design, Synthesis, and Functionalization with Immobilized Pincer Complexes	Dr. Gholamhossein Mohammadnezhad	14:30 – 15:00
Break and Poster Presentation (P1001 – P1074)		15:00 – 15:30

Conference Hall 1

Chair of Section: Dr. Majid Masteri-Farahani and Dr. Gholamhossein Mohammadnezhad

<i>Speech Topic</i>	<i>Presenter</i>	<i>Time</i>
Modification of Silica Foam with NaY Zeolite Magnetite Nanoparticle and Heteropoly Acid for Efficient Esterification and Transesterification Catalysis	Dr. Mojgan Zendehtel	15:30 – 16:00
Tetradentate ONNO Schiff Base Metal Complexes: Synthesis, Spectral Characterization, Structure, and Application	Dr. Hadi Kargar Shouraki	16:00 – 16:30
Synthesis and Structural Characterization of a Pt(II) Complex Bearing a Helicene Ligand	Dr. Hamid Reza Shahsavari	16:30 – 17:00
Pray		17:00 – 17:30
Workshop (Title: Applications of Molecular Dynamics to Selective Adsorption and Diffusion of Molecules in Microporous Materials)	Dr. German Sastre Navarro	17:30 – 19:00
Dinner		19:00 – 20:00

Second Day 25 December

Place: Innovation and Technology Complex

First Section

Conference Hall 1

Chair of Section: Dr. Somayeh Shahraki and Dr. Hamid Reza Shahsavari

<i>Speech Topic</i>	<i>Presenter</i>	<i>Time</i>
Designing CPs and MOFs for Environmental Cleanup	Dr. Maryam Bahrani-pour	08:00 – 08:20
Development of Cost-Effective SAPO-34 Catalysts from Kaolin and Boehmite for the Methanol-to-Light Olefins Process	Dr. Marzieh Hamidzadeh	08:20 – 08:40
Techno-Economic Assessment of Iron Recovery from Red Mud via Hydrogen Plasma Reduction for Green Sponge Iron Production: A Case Study on Alumina Production Wastes in Iran	Dr. Mohammad Malekiha	08:40 – 09:00
Break and Poster Presentation (P1075 – P1142)		09:00 – 09:30
Visiting The Eastern South Regional Museum of Iran		09:30 – 11:30
Pray and Lunch		11:30 – 13:00

Second Section

Conference Hall 1

Chair of Section: Dr. Hamideh Saravani and Dr. Niloufar Akbarzadeh

<i>Speech Topic</i>	<i>Presenter</i>	<i>Time</i>
Modification of UiO66-NH ₂ to Achieve Active Nanozymes for Peroxidase-Mimicking Activity	Dr. Somayeh Shahraki	13:30 – 13:50

24th Iranian Inorganic Chemistry Conference

24-25 December 2025



Evaluation and Control of Organic Pollutants in Water Contaminated with Microdust by Nano-Photocatalysts	Dr. Ziba Sorinezami	13:50 – 14:10
Exploring the Biological Potential of Novel Metal Complexes with N,O-Donor Ligands: From Cytotoxicity to Antioxidant Efficiency	Dr. Ameneh Heidari	14:10 – 14:30
Investigation of Structural, Photocatalytic and Thermodynamic Properties of Copper (II) Oxide Nanoparticles Doped with Chromium/Manganese/Iron/Cobalt/Nickel/Zinc and Sulfur Ions	Dr. Sania Saheli	14:30 – 14:50
Conference Hall 2 Chair of Section: Dr. Asma Khoobi and Dr. Khatereh Abdi		
<i>Speech Topic</i>	<i>Presenter</i>	<i>Time</i>
Computational Investigation of Iron Corrosion Inhibition by the Natural Compound 1,8-Cineole (Eucalyptol)	Dr. Tayebah Hadadi	13:30 – 13:50
Layered Double Hydroxides as Versatile Membranes for Continuous Oil/Water Separation	Dr. Maryam Davardoostmanesh	13:50 – 14:10
Synthesis and Characterization of Heterogeneous Metal-Organic Framework Nanocatalysts from Cobalt Metal and Investigation of Catalytic Effect in Alcohol Oxidation	Farideh Rahat Dahmardeh	14:10 – 14:30
Combustion Synthesis of NiCr_2O_4 Particles in the Presence of Different Fuels	Kiarash Kateb-Dahmardeh	14:30 – 14:50
Break and Poster Presentation (P1143 – P1239)		14:50 – 15:20
Final Ceremony		15:20 – 17:00