

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>		07:30 – 09:45
Plenary		
<i>Chair of Section:</i> Dr. Alireza Rezvani and Dr. Hamid Reza Shamsavari		
<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. Majid Masteri-Farahani and Dr. Mohammadreza Iravani

<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
Modification of Silica Foam with NaY Zeolite Magnetite Nanoparticle and Heteropoly Acid for Efficient Esterification and Transesterification Catalysis	Dr. Mojgan Zendehtdel	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 – P1065)		15:00 – 15:30

Conference Hall 1

Chair of Section: Dr. Gholamhossein Mohammadnezhad and Dr. Mojgan Zendehtdel

<i>Speech Topic</i>	<i>Presenter</i>	<i>Time</i>
Synthesis and Structural Characterization of a Pt(II) Complex Bearing a Helicene Ligand	Dr. Hamid Reza Shahsavari	15:30 – 16:00
Tetradentate ONNO Schiff Base Metal Complexes: Synthesis, Spectral Characterization, Structure, and Application	Dr. Hadi Kargar Shouraki	16:00 – 16:30
Designing CPs and MOFs for Environmental Cleanup	Dr. Maryam Bahrani-pour	16:30 – 17:00
Pray		17:00 – 17:30
Workshop	Dr. German Sastre Navarro	17:30 – 18:30
Dinner		19:00 – 20:00

Second Day 25 December

Place: Innovation and Technology Complex

First Section

Conference Hall 1

Chair of Section: Dr. Hamideh Saravani and Dr. Hadi Kargar Shouraki

<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	08:00 – 08:20
Recent Advances in Metal Complexes of N, O-Donor Ligands for Anticancer and Antioxidant Applications: A Comprehensive Review	Dr. Ameneh Heidari	08:20 – 08:40
Development of Cost-Effective SAPO-34 Catalysts from Kaolin and Boehmite for the Methanol-to-Light Olefins Process	Dr. Marzieh Hamidzadeh	08:40 – 09:00
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	09:00 – 09:20
Break and Poster Presentation (P1066 – P1130)		09:20 – 09:50

Conference Hall 1

Chair of Section: Dr. Mojgan Zendehtdel and Dr. Hamideh Sarvani

<i>Speech Topic</i>	<i>Presenter</i>	<i>Time</i>
Evaluation and Control of Organic Pollutants in Water Contaminated with Microdust by Nano-Photocatalysts	Dr. Ziba Sorinezami	09:50 – 10:10

24th Iranian Inorganic Chemistry Conference

24-25 December 2025



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	10:10 – 10:30
Computational Investigation of Iron Corrosion Inhibition by the Natural Compound 1,8-Cineole (Eucalyptol)	Dr. Tayebbeh Hadadi	10:30 – 10:50
Layered Double Hydroxides as Versatile Membranes for Continuous Oil/Water Separation	Dr. Maryam Davardoostmanesh	10:50 – 11:10
Poster Presentation (P1131 – P1191)		11:10 – 11:30
Pray and Lunch		11:30 – 13:30
Second Section		
Conference Hall 1		
Chair of Section: Dr. Niloufar Akbarzadeh and Dr. Asma Khoobi		
Speech Topic	Presenter	Time
Synthesis and Characterization of Heterogeneous Metal-Organic Framework Nanocatalysts from Cobalt Metal and Investigation of Catalytic Effect in Alcohol Oxidation	Farideh Rahat Dahmardeh	13:30 – 13:50
Combustion Synthesis of NiCr ₂ O ₄ Particles in the Presence of Different Fuels	Kiarash Kateb-Dahmardeh	13:50 – 14:10
Poster Presentation (P1192 – P1250)		14:10 – 14:30
Final Ceremony		14:30 – 16:00