



Zeolite Conference
Iranian Chemical Society

POSTER PRESENTATION SCHEDULE



11th National Iranian Zeolite Conference

Ayatollah Boroujerdi University



25–26 August 2026 |



Boroujerd, Iran

SESSION A

A



25 August 2026
Tuesday



16:00 – 17:00

Poster Numbers

PA001-PA041

41 Posters

SESSION B

B



26 August 2026
Wednesday



10:35 – 11:35

Poster Numbers

PB042-PB083

42 Posters

SESSION C

C



26 August 2026
Wednesday



16:00 – 17:00

Poster Numbers

PC084-PC117

34 Posters

SCHEDULE TIMELINE

25 August 2026

SESSION A
16:00 – 17:00

26 August 2026

SESSION B
10:35 – 11:35

26 August 2026

SESSION C
16:00 – 17:00



POSTER NUMBERING FORMAT

PA001

PA002

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PC117

Posters are arranged according to their assigned poster number.



NOTES

- Posters are arranged according to their assigned number.
- Presenters should be present beside their posters during their assigned session.
- Please refer to the poster number to locate your presentation board.





POSTER NUMBERS: PA001-PA011

Poster No.	Title	Presenter
PA001	Hydrophobicity Engineering in Zeolite-Based Catalysts: A Review of Framework Modification Strategies and Catalytic Performance	Fatemeh Eydi
PA002	Amine-Functionalized Zeolite-Based Heterogeneous Catalyst for Enhanced Transesterification Performance	Fatemeh Eydi
PA003	Special synthesis of zeolite NaY by sol - gel method for Mobarakeh steel wastewater treatment	Seyed Mohammad Matin Mirmasomi
PA004	Synthesis of LTA zeolite using natural clinoptilolite zeolite by hydrothermal method to treat Mobarakeh steel wastewater	Seyed Mohammad Matin Mirmasomi
PA005	Impact of NaY Zeolite on Growth Indices and Antioxidant Enzyme Activity of <i>Malva sylvestris</i>	Narges Azad
PA006	Usage of Zeolite Has Positive Influences on Growth and Mucilage Content of <i>Malva sylvestris</i>	Narges Azad
PA007	Zeolite-Based Nanocomposites: A New Frontier in Targeted Drug Delivery	Abolfazl Solhmirzaei
PA008	Optimizing LTA Zeolite for High-Performance Sorption-Based Thermal Energy Storage	Marzie Rezaei
PA009	A Review of Perlite Applications in the Oil and Petrochemical Industry	Amir Hossein Bakhtyari
PA010	Applications of zeolites in drug delivery systems	Amir Hossein Bakhtyari
PA011	Plasmonic refractive index sensor based on zeolite-filled cavity	Alireza Dolatabady

Please be present beside your poster during the assigned session.





POSTER NUMBERS: PA012-PA021

Poster No.	Title	Presenter
PA012	Synthesis and Catalytic Performance of NiMoO ₄ for the Oxidative Desulfurization of Fuels	Ali Esfandiari
PA013	Facile Synthesis of Zn-BTC MOF: Application as Superior Adsorbent for Effective Removal of Antibiotic Ciprofloxacin from Aqueous Solutions	Fatemeh Azadi
PA014	Recent Advances in g-C ₃ N ₄ -based Photocatalysts for Environmental Remediation	Elahe Bohluli
PA015	Enhancing the photocatalytic efficiency of BN for Rhodamine B degradation using copper(I) Complex as a highly effective cocatalyst	Zahra Khosravi
PA016	Synthesis and Characterization of a Recoverable Rh/gC ₃ N ₄ Nanocomposite for Photocatalytic Applications	Roya Alizadeh
PA017	Integrated Closed-Loop Water Regeneration in Zeolite Manufacturing: A Critical Review toward Sustainable and Near-Zero Liquid Discharge Production	Ashkan Ahsani Iravani
PA018	Synthesis and Characterization of LDH/Zeolite Composite	Milad Karimi Anjiraki
PA019	Solid state/Aqueous Cu(II)/Zeolite Y as a Catalyst for Reduction of Nitro Group	Masoumeh Naseri
PA020	Design and Characterization of Micro-Mesoporous NaP2 Zeolite@CdTe Nanocomposites for Enhanced Solar Cell Efficiency	Hadis Ghaedrahmat
PA021	Synthesis and characterization of modified Nano composite from carbon multiwall nanotubes/zeolite by Nickel nanoparticles	Zahra Abbasi

Please be present beside your poster during the assigned session.





POSTER NUMBERS: PA022-PA031

Poster No.	Title	Presenter
PA022	Hierarchically Porous g-C ₃ N ₄ Derived from a Ternary Precursor System: Kinetics and Mechanism of 4-Nitrophenol Photodegradation	Zahra Abbasi
PA023	Design, Synthesis, and Catalytic Evaluation of a Porous Organic Polymer for Acid-Catalyzed Esterification	Ali Reza Oveisi
PA024	Modifying Metal-Organic Framework for Effective and Eco-Friendly Aerobic Oxidation	Saba Daliran
PA025	Designed Polymer Framework: CO ₂ Valorization Toward a Low-Carbon Economy	Saba Daliran
PA026	A review of the application of nanocomposites in the removal of organic dyes from wastewater	Somaye Khammarnia
PA027	Catalytic performance of defective MIL-101 in chemical hydrogenation	Fatemeh Momeni
PA028	Preparation and structural analysis of ferroelectric BaTiO ₃ /Cr-Zr-HMS composite with emphasis on its structure-performance relationship in visible-light photodegradation of Bromocresol Green	Fatemeh Eslami Kaliji
PA029	Optimization of visible-light photocatalytic degradation of Bromocresol Green using BaTiO ₃ /Cr-Zr-HMS based on response surface methodology	Fatemeh Eslami Kaliji
PA030	Tailoring Acidic and Textural Properties of HZSM-5/HMS Composites toward Levulinic Acid Production	Somayeh Taghavi
PA031	Mesoporous Transition Metal Phosphates: A Comprehensive Review of Synthesis Strategies, Structural Evolution, and Energy Applications	Faezeh Javanmard

Please be present beside your poster during the assigned session.





POSTER NUMBERS: PA032-PA041

Poster No.	Title	Presenter
PA032	Synthesis and Characterization of MWCNT@SnP@ZnO Nanocomposite: Photocatalytic Application	Faezeh Javanmard
PA033	Zeolite-based adsorbents in Malachite Green removal: A machine learning approach	Mahdieh Chegeni
PA034	Improving Catalytic Performance of Defected-MIP-202 for Dibenzothiophene Oxidative Desulfurization	Minoo Bagheri
PA035	Histological Analysis of Burn Wound Healing with Clinoptilolite/NH ₂ /Chit/PVA/ Gentamicin Nanofibers	Parisa Maleki
PA036	ZIF-67-Derived Co@NC Coupled with CoMoO ₄ and MXene on Ni Nanocone Arrays as an Efficient Oxygen Evolution Electrocatalyst	Seyyed Mehdi Khoshfetrat
PA037	Oxygen-Vacancy-Induced Structural Disorder and Co-O-Ti Heterointerfaces in Hierarchical CoMoO ₄ -Co LDH/MXene-TiO ₂ for Accelerated Oxygen Evolution	Seyyed Mehdi Khoshfetrat
PA038	Porous alumina mediated from low-cost potassium alum salt	Erfaneh Khalili
PA039	Freeze-drying effect on porosity of γ-alumina	Erfaneh Khalili
PA040	Self-Templated Synthesis of Hollow Capsule Selenium-Based Covalent Organic Frameworks for Highly Efficient Gold Recovery	Amir Khojastehnezhad
PA041	Application of zeolites as multifunctional catalysts in various types of polymerizations	Arezoo Sh Dadkhah

Please be present beside your poster during the assigned session.





POSTER NUMBERS: PB042-PB050

Poster No.	Title	Presenter
PB042	Synthesis and application of heterogeneous nanocatalysts based on metal-organic/polymer frameworks for the synthesis of tetrazolequinazoline derivatives	Samireh Rasoolabadi
PB043	Photocatalytic activity of metallo phthalocyanine-based composite catalyst in the degradation of organic dyes	Bahareh Vandaei
PB044	Doxorubicin Loading/Release Behaviour of Fe ₃ O ₄ Nanoparticles Coated with Kaolinite and PEG	Baharak Divband
PB045	Application of Porous Materials for Shielding of X-Ray	Baharak Divband
PB046	Biomedical Applications of Mesoporous Silica Nanoparticles	Baharak Divband
PB047	Application of Magnetic Nanoclays in MRI	Baharak Divband
PB048	Gamma-Ray Attenuation in Zeolite-Polymer Composites for Radiation Shielding	Baharak Divband
PB049	Fabrication of 2-methylimidazol-modified poly (vinyl alcohol)/chitosan nanofibers incorporated with silver nanoparticles for sensitive detection of zinc	Saadat Rastegarzadeh
PB050	Fabrication of a hydrophobic sponge using Phragmites australis fibers as an adsorbent for efficient separation of oil from water	Saadat Rastegarzadeh

Please be present beside your poster during the assigned session.





POSTER NUMBERS: PB051-PB058

Poster No.	Title	Presenter
PB051	Effect of Template Type and Crystallization Temperature on Seed Assisted Synthesis of Hierarchical Nanosized SAPO- 34 for MTO Reaction	Pooneh Abachi
PB052	Applications of Zeolites in the Reproductive System: A Mini-Review	Mina Kiani
PB053	Functionalization of magnetic mesoporous silica with phenyltin(IV) complex and evaluation of antibacterial activity	Tahereh Sedaghat
PB054	Synthesis and in vitro cytotoxicity evaluation of butyltin(IV) complex functionalized on the magnetic UiO-66-NH ₂ metal-organic framework	Tahereh Sedaghat
PB055	Efficient Synthesis of 2H-Indazolo [1, 2-b] Phthalazine-Triones Derivatives Using a Heterogeneous Catalyst Based on Zn Nanoparticles Supported on a Graphene Organic Framework with a Thiadiazole Pillaring Agent (Zn@GOF-TDA)	Nadieh Naseri
PB056	Charge Transfer Driven Iodine Adsorption in Silver-Sulfur MOFs: Experimental and DFT Insights	Maryam Bahrani-Pour
PB057	Waste Frying Oil Conversion to Biodiesel via a Modified Mesoporous 2D Zinc Coordination Polymer Catalyst	Qasem Maleki
PB058	Influence of Amine Functional Groups on Iodine Uptake in a Mesoporous 2D Zn Coordination Polymer	Qasem Maleki

Please be present beside your poster during the assigned session.





POSTER NUMBERS: PB059-PB065

Poster No.	Title	Presenter
PB059	Synthesis and characterization of Phosphoaramide/MIL-101(Fe) nanoporous: evaluation of their performance on Ce (III) removal	Masome Robati
PB060	Efficient photocatalytic degradation of methyl orange using a Pd/ZnMn ₂ O ₄ /chitosan photocatalyst under sunlight irradiation	Mohammad Panahimehr
PB061	Utilizing perovskite oxide-based materials as eco-friendly catalysts for the photoconversion of water pollutants	Mahdieh Ghobadifard
PB062	Sustainable Water Remediation: Translating Ferrite-Based Nano Photocatalysts from Synthesis to Real-World Dye Conversion	Mahdieh Ghobadifard
PB063	Multi-Functionalization incorporation into the Electrospun Nanofibers for efficient separation of iodine contaminants	Reza Sacourbaravi
PB064	Design of metal-organic frameworks based on cobalt metal phthalocyanine and investigation of its efficiency in the photocatalytic degradation of polluting dyes	Pouria Bazvand
PB065	Synthesis and Characterization of ZIF-8/Fe ₃ O ₄ and ZIF-8/Chitosan Nanocomposites as Potential Carriers for Aprepitant Drug Delivery	Samaneh Soleymani

Please be present beside your poster during the assigned session.





POSTER NUMBERS: PB066-PB074

Poster No.	Title	Presenter
PB066	Investigating the environmental effect of lead and zinc mines on drinking water resources and heavy metal adsorption using nanocomposite Nay-MWCNT	Ramin Shokri
PB067	Advanced synthesis of Magnetic UiO-66-COOH / Graphitic Carbon Nitride (g-C ₃ N ₄) /Au-nanoparticles as a novel and efficient MOF-Catalyst for promoting C-C Coupling Reactions under mild condition	Leila Mohammadi
PB068	Investigation of the extraction efficiency of MCM-41 mesoporous in the removal and extraction of fluoroquinone antibiotics from aqueous environments	Pouneh Ebrahimi
PB069	Eco-Friendly Bromine-Based Mesoporous Catalyst for Green Acetylation Reactions	Mohammadreza Amighi
PB070	Palladium-Functionalized Mesoporous Catalyst (FDU-12@L@Pd) for Efficient Suzuki Cross-Coupling Reactions	Mohammadreza Amighi
PB071	Evaluation of Ze/PAN Nanocomposites for Adsorption of Cs (I) from Aqueous Environments	Atousa Dolatyari
PB072	Comparison of Natural and Synthetic Zeolite Performance in Removal of Heavy Metal Ions from Aqueous Solutions	Arezoo Rezaei
PB073	Zeolite-Based Catalysts for Efficient Polyolefin Upcycling	Ghazal Ebrahimzadeh
PB074	Smart Silica: Stimuli-Responsive Mesoporous Materials for Controlled Drug Delivery	Maryam Deinavizadeh

Please be present beside your poster during the assigned session.





POSTER NUMBERS: PB075-PB083

Poster No.	Title	Presenter
PB075	Cyclodextrin Host-Guest Systems in Cancer Nanomedicine: A Review of Stimuli-Responsive Nanocarriers, Hydrogels, and Polyrotaxanes	Maryam Deinavizadeh
PB076	Preparation of a new composite for nitrate removal from wastewater using bentonite	Aref Salehi
PB077	The Role of Zeolites in Reducing Energy Consumption in Industrial Applications	Samaneh Bandehali
PB078	Eco-Friendly modification of bentonite by the pillaring method for the removal of heavy metals from industrial wastewater	Masoumeh Amiri
PB079	NaA zeolite modified chitosan FO membrane for efficient and antifouling seawater desalination	Marjan Faramarzi
PB080	Thin film nanocomposite forward osmosis membrane embedded with nano cellulose/ nano-silver functionalized clinoptilolite	Marjan Faramarzi
PB081	Functionalization of zeolite and preparation of its composite with biochar and use as an environmentally friendly acid catalyst in organic reactions	Fatemeh Ghorbani
PB082	Ni-doped ZIF-8 with Lewis dual acid sites for hydrogen generation reaction	Zeynab Azizifar
PB083	Adsorptive Removal of Pb(II) from Aqueous Solutions Using Fe-Modified ZSM-5 Zeolite: A Laboratory-Scale Study	Laleh Shirazi

Please be present beside your poster during the assigned session.





POSTER NUMBERS: PC084-PC093

Poster No	Title	Presenter
PC084	Synthesis and Characterization of a Pd-Doped NaY Zeolite/TiO ₂ /NiFe ₂ O ₄ Magnetic Nanocomposite and Evaluation of Its Photocatalytic Performance for Eosin Y Degradation	Shokoufeh Sabbaghi Kerahroudi
PC085	Comparative Environmental Assessment of Zeolite and Other Pozzolan Materials in Concrete for Corrosive Environments Using the Delphi-TOPSIS Method	Mona Raouf Mobini
PC086	The Role of Host-Guest Chemistry in Enhancing the Catalytic Selectivity of Zeolites	Mona Raouf Mobini
PC087	Zeolites as Nanocarriers for Controlled Drug Release	Mona Raouf Mobini
PC088	The Role of Zeolites in Biocatalysis and Drug Synthesis	Mona Raouf Mobini
PC089	Functionalized Zeolite-Polymer Nanocomposites as Green Catalysts for Organic Reactions	Mona Raouf Mobini
PC090	New Organic Ligands for the Construction of Functional MOFs in Organic Catalysis	Mona Raouf Mobini
PC091	MoS ₂ -engineered photoelectrochemical sensors: From fundamental design to emerging applications	Marzieh Nodehi
PC092	ZnO-based photoelectrochemical sensors: recent advances, design strategies, and future perspective	Marzieh Nodehi
PC093	Ag-based MOF for sensitive electrochemical detection of methadone	Marzieh Nodehi

Please be present beside your poster during the assigned session.





POSTER NUMBERS: PC094-PC101

Poster No	Title	Presenter
PC094	Simultaneous electrochemical determination of lead and cadmium using a GCE-MWCNT-PAH-BiNPs modified sensor	Marzieh Nodehi
PC095	G-C ₃ N ₄ -based photoelectrochemical sensors: Material engineering, signal enhancement strategies, and emerging analytical application	Marzieh Nodehi
PC096	Synthesis and characterization of novel Biochar@MOF composite for the adsorption of organic pollutant under green and mild operating conditions	Ghazale Almasi
PC097	Synthesis of 2-amino-3-cyanopyridines by an acidic covalent organic framework as a porous catalyst under mild and green conditions	Hadis Goodarzi
PC098	Polycalix[4]resorcinarene /3-(triethoxysilyl)propylamine /BF _n as an efficient mesoporous Acid-Base Catalyst for synthesis of pyrazole derivatives	Leila Amiri-Zirtol
PC099	Enhancing degradation of oxytetracycline antibiotics via architecture MOF-on-MOF	Hassan Alamgholiloo
PC100	Bisthiourea-based Periodic mesoporous organosilica as catalyst for Coupling of CO ₂ with Epoxide	Elaheh Golzardi
PC101	Photocatalytic Application of Ti-doped PMO in Suzuki-Miyaura Cross-Coupling Reactions	Elaheh Golzardi

Please be present beside your poster during the assigned session.





POSTER NUMBERS: PC102-PC109

Poster No	Title	Presenter
PC102	Enhanced Visible-Light Photocatalytic Degradation of Phenol Using Au@NH ₂ -MIL-125(Ti)	Fatemeh Sadat Karimi Behbahani
PC103	Solid-State Mortar Grinding Synthesis of Pd/Chitosan Photocatalysts for Enhanced MO Degradation	Alireza Ahmadiyar
PC104	A Comparative Investigation of Phenanthrene Adsorption on Natural Clinoptilolite Versus CTAB-Modified Zeolite	Abbas Kasaei
PC105	Enhanced Phenanthrene Adsorption onto Natural Clinoptilolite Zeolite Modified with Anionic Surfactant SDS	Abbas Kasaei
PC106	Synthesis of Mg-Al Layered Double Hydroxide/Zein-Derived Carbon Dot Nanocomposites as a Nanocarrier for Deferasirox Delivery	Inam Hasan Lateef
PC107	Synthesis, investigation, and photocatalytic activity of metal composites derived from nanocellulose and metal-organic frameworks in the degradation of organic pollutants	Parto Kaveh
PC108	Investigating the properties of zeolite automotive catalyst reinforced with manganese and copper oxide nanoparticles	Behnoud Mansouri Kia
PC109	Visible-light photocatalytic degradation of methylene blue by g-C ₃ N ₄ /commercial zeolite Y/MgFe ₂ O ₄ composite	Reyhane Mazhabtaali

Please be present beside your poster during the assigned session.





POSTER NUMBERS: PC110-PC115

Poster No	Title	Presenter
PC110	Unlocking Superior Sonofenton Degradation of Carbamazepine via a Magnetically Separable Hierarchical Nanocomposite Incorporating Magnetic Carbon Quantum Dots Integrated with MOF/COF	Sara Pashazadeh
PC111	Redox-Active MIL-101(Fe)/HOF Hybrid Nanocomposite as a Catalyst for AOP-Driven Reduction and Removal of Hexavalent Chromium from Wastewater	Sara Pashazadeh
PC112	Engineering a Hierarchical LDH/MOF Derived Z-Scheme Heterostructure for Efficient Visible-Light Photo-Fenton Degradation of Sulfamethoxazole	Younes Bahadori
PC113	Magnetically Recoverable Heterostructured LDH/MOF Hybrids Functionalized with Magnetic Carbon Quantum Dots for Synergistic Removal and Fluorescence Sensing of Heavy Metal Ions	Younes Bahadori
PC114	Preparation of CdS@ZIF-67/rGO nanocomposite for Efficient Electrochemical Degradation of Pharmaceutical Pollutants	Ali Pashazadeh
PC115	Development of a Ni-MWCNT-Based MOF with Polydentate Heteroatom Linkers for Electrochemical Determination of Dopamine	Ali Pashazadeh

Please be present beside your poster during the assigned session.



SESSION C



26 August 2026
Wednesday



16:00-17:00

POSTER NUMBERS: PC116-PC117

Poster No	Title	Presenter
PC116	Technology Monitoring and Assessment for Application of Metal-Organic Frameworks in Natural Gas Sweetening and Removal of CO ₂ , H ₂ S and Mercaptans Using PSA Process	Ensieh Ganji Babakhani
PC117	Performance Evaluation of Titanium Silicates ETS-4 and ETS-10 in CO ₂ Removal from Nitrogen and Methane Rich Gas Streams	Ensieh Ganji Babakhani

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