

Name	Faculty	Position	Research program title	Research interests	Web page
Amiri Roudbari Hadi	chemistry	Associate Preofessor	Coordination Chemistry	<ul style="list-style-type: none"> ۱- Crystallography and magnetic properties, ۲- Bioinorganic Chemistry, ۳- Coordination Chemistry 	http://sci.ui.ac.ir/~h.a.rudbari
Azimi Gandomani Gholamhassan	chemistry	Associate Preofessor	Environmental Chemistry, Separation and Chromatography	<ul style="list-style-type: none"> ۱- Development and application of chemometric and multivariate methods in analytical measurements and analysis of chromatographic data. ۲- Application of advanced methods and new materials in the study and removal of environmental pollutants from different samples. 	http://sci.ui.ac.ir/~gh.azimi
Dini Ghasem	chemistry	Associate Preofessor	Synthesis and Applications of material/nanomaterials	<ul style="list-style-type: none"> ۱- Synthesis of nanomaterials (nanoparticles, and nanostructures) with different methods ۲- Development of applications of nanomaterials in biomedical engineering, biotechnology, engineering, and advanced technologies ۳- Synthesis of advanced ceramic materials from agricultural wastes 	http://sci.ui.ac.ir/g.dini
Gharieh Ali	chemistry	Assistant Professor	Preparation, Characterization and study of properties of polymers and advanced polymer nanocomposites with emphasis on green methods with special applications	<ul style="list-style-type: none"> ۱- Using emulsion polymerization techniques for producing functional latex with special applications (smart materials, modifiers, novel adheives, etc.). ۲- Preparation of water-based, UV curing and solvent-free resins for using in applications such as corrosion resistant and superhydrophobic coatings. ۳- Modification and physico-mechanical studies of polymer composites, especially enigneering polymers 	https://sciold.ui.ac.ir/~a.gharieh/
Iravani Mohammadreza	chemistry	Assistant Professor	Synthesis of inorganic compounds and inorganic nanomaterials, bioinorganic chemistry, catalyst	<ul style="list-style-type: none"> ۱- coordination chemistry, ۲- bioinorganic chemistry, ۳- catalyst 	http://sci.ui.ac.ir/~m.r.iravani
Kahkesh Farzi Nahid	chemistry	Associate Preofessor	Theoretical and Computational study of the physical chemistry of various phenomena and systems	<ul style="list-style-type: none"> ۱- Study the feasibility of porous materials as adsorbents, separators, etc in different systems by computational methods ۲- computational or experimental study of different systems properties in different conditions 	http://sci.ui.ac.ir/~nfarzi

Karimi ShervedaniReza	Chemistry	Professor	Design, Construction and Characterization of New Cancer Theranostic Systems, Activated Based on Synergistic Effects of Multidrug Nanostructures for Delivery to Cancer Tissues. Electrochemical Activity of Designed Nanocomposites Materials for HER OER	<ul style="list-style-type: none"> ۱- Design, Construction and Characterization of New Cancer Theranostic Systems. ۲- Electrochemical Behavior of Theranostic Systems Activated Based on Synergistic Effects for Delivery to Cancer Tissues ۳- Electrochemical Activity of Deigned Nanocomposites Materials for HER OER 	https://scholar.google.com/citations?hl=en&user=XLykMZoAAAAJ&view_op=list_works&sortby=pubdate
Keshavarzi Reza	chemistry	Assistant Professor	Nanomaterial and New energy generation/saving systems	<ul style="list-style-type: none"> ۱- Development of renewable energy such as solar energy conversion, and solar cell ۲- Development of renewable energy photoelectrochemical cell and hydrogen production energy storage 	http://chem.ui.ac.ir/~r.keshavarzi
Khosravi Mohsen	Chemistry	Assistant Professor	Materials Chemistry, Nanomaterials, Sensors, and Electrochemical and Analytical Systems	<ul style="list-style-type: none"> ۱- Battery, Supercapacitor, Fuel Cell ۲- Sensor ۳- Nanomaterials and Materials Chemistry 	https://astold.ui.ac.ir/~m.khosravi/
Koomareh Gholamali	chemistry	Associate Preofessor	Preparation, Characterization and study of properties of polymers and advanced polymer nanocomposites with emphasis on green methods with special applications	<ul style="list-style-type: none"> ۱- Synthesis and characterization of conjugated polymers for solar cell applications ۲- Preparation of nanofibers by electrospinning for solar cell applications ۳- Design and making of different parts of solar cells by appropriate polymers 	http://sci.ui.ac.ir/~g.a.koohmareh
Malekpour Akbar	chemistry	Associate Preofessor	Environmental Chemistry, Separation and Chromatography	Development of the new methods for water desalination and separation and determination of contaminants from water, wastewater and foodstuff	http://sci.ui.ac.ir/~a.malekpour
Memarian HamidReza	chemistry	Professor	Synthesis of various fused heterocycles in order to investigate the electronic and steric effects of the heterocyclic ring substitution on their spectral, cyclic voltammetric, photochemical and thermal oxidation.,	<ul style="list-style-type: none"> ۱- Synthesis of fused substituted heterocyclic compounds and investigation of the substituent effects on their spectral and cyclic voltammetric studies. ۲- Photochemical study of various fused heterocyclic compounds. 	http://sci.ui.ac.ir/~memarian
Mirkhani Valiollah	chemistry	Professor	Catalysts, Nanomaterials, Drug Delivery and Energy	<ul style="list-style-type: none"> ۱- Solar Cells ۲- Hydrogen generation and Photoelectrochemical Cells ۳- Synthesis and Applications of Inorganic catalysts/naocatalysts 	http://sci.ui.ac.ir/~mirkhani
Moghadam Majid	chemistry	Professor	Catalysts, Nanomaterials, Drug Delivery and Energy	Catalysts, Nanomaterials, Drug Delivery and Energy	http://sci.ui.ac.ir/~moghadamm

Mohammadi Abbas	chemistry	Assistant Professor	Preparation, Characterization and study of properties of polymers and advanced polymer nanocomposites with emphasis on green methods with special applications	<p>۱- Preparation of polyurethanes used in biomedicine such as antibacterial coatings, wound dressings, drug delivery systems, and tissue repairing</p> <p>۲- Preparation of flame retardant polyurethane foams and adsorbents of environmental pollutants</p> <p>۳- Preparation of UV-curable polyurethane hybrid coatings.</p>	http://sci.ui.ac.ir/~a.mohammadi
Mohammadpour Baltork Iraj	chemistry	Professor	Catalysts, Nanomaterials, Drug Delivery and Energy	Catalysts, Nanomaterials, Drug Delivery and Energy	https://sciold.ui.ac.ir/~imbaltork/
Momenbeik Fariborz	chemistry	Assistant Professor	Environmental Chemistry, Separation and Chromatography	<p>۱- Separation and determination of components of complex petroleum, environmental, food and biological mixtures by comprehensive multidimensional chromatographic methods</p> <p>۲- Development of suitable sample preparation methods for two-dimensional separations</p> <p>۳- Application of porous organic polymers as adsorbents in solid phase extraction</p>	http://sci.ui.ac.ir/~f.momen
Moosavi Majid	chemistry	Associate Professor	Theoretical and Computational study of the physical chemistry of various phenomena and systems	<p>۱- Computational Study on the Structural, Dynamical, Thermodynamics and Spectroscopic Properties of different ionic liquids (mono- and multi- cationic ILs) using Mechanical Quantum Methods.</p> <p>۲- Computational study on the Structural, Dynamical, Thermodynamics and Spectroscopic Properties of different ionic liquids (mono- and multi- cationic ILs) using Molecular Dynamics Simulation Methods and some their applications such as gas adsorption.</p> <p>۳- Computational Study on the Interaction of Ionic Liquids with Different Nanostructures.</p>	http://sci.ui.ac.ir/~m.mousavi
Movahedi Behrooz	chemistry	Associate professor	Thin films and nanostructured/Bio-nanostructured coatings.	<p>۱- Synthesis, properties and applications of Thin films and nanostructured materials,</p> <p>۲- Super hydrophobic and Thermal Insulation nanomaterials,</p> <p>۳- Bio-nanostructured materials (applications in Tissue engineering)</p>	http://ast.ui.ac.ir/~b.movahedi

Noorbakhsh Abdollah	chemistry	Associate Preofessor	Sensors/ Biosensors, Electrochemistry and Drug Delivery Systems	<ul style="list-style-type: none"> ۱- Sensors / Biosensors, Electrocatalyst and Biointerfaces ۲- Membranes/ Nanocannels ۳- Modified Coatings and Chemical Compound/Drug carriers/delivery systems 	http://ast.ui.ac.ir/~a.noorbakhshrezaei
Nourmohammadi Abadchi Abolghsem	chemistry	Associate Preofessor	Physics, Synthesis, Characterization, and Device Fabrication using Nanomaterials	<ul style="list-style-type: none"> ۱-Ceramics ۲-advanced inorganic and biomaterials, ۳-Nanomaterials and Nanostructures 	http://sci.ui.ac.ir/~a.nourmohammadi
Omidvar Akbar	chemistry	Associate Preofessor	Theoretical and Computational study of the physical chemistry of various phenomena and systems	<ul style="list-style-type: none"> ۱- Photovoltaic devices ۲- Batteries ۳- Nonlinear optical materials 	http://chem.ui.ac.ir/~a.omidvar
Omidyan Reza	chemistry	Associate Preofessor	Theoretical and Computational study of the physical chemistry of various phenomena and systems	<ul style="list-style-type: none"> ۱-Photophysics of organic/inorganic sydtems. ۲- Metelopophyrine system (Heme/ Chlorophylls). ۳- Theoretical insights on Organic Light emmiting diodes (OLEDs). 	http://sci.ui.ac.ir/~r.omidyan
Rafie Manzelat Fatemeh	chemistry	Associate Preofessor	Preparation, Characterization and study of properties of polymers and advanced polymer nanocomposites with emphasis on green methods with special applications	<ul style="list-style-type: none"> ۱- Preparation of advanced polymer scaffolds, coatings and nano-polymers for medical applications ۲- Preparation of advanced porous polymers and nano-composite frame-works. ۳- Preparation of advanced high-performance polymer and polymer nano-composite coatings 	http://chem.ui.ac.ir/~fraciemanzelat
Rahmati Abbas	chemistry	Associate Preofessor	Synthesis of advanced organic and polymeric materials and their applications	<ul style="list-style-type: none"> ۱-Synthesis of gels and their application in various fields ۲- Synthesis of polymeric compounds and their application in water, agriculture and industry ۳- Synthesis of advanced materials by multicomponent reactions or other methods 	http://sci.ui.ac.ir/~a.rahmati

Sabzyan Hassan	chemistry	Professor	Theoretical and Computational study of the physical chemistry of various phenomena and systems	<p>۱- Theoretical, computational and simulation studies, based on quantum chemical and molecular dynamics methods, on the static and dynamic properties and behaviors of various molecular, nanoscale and bulk materials related to the electrochemical, photochemical, photovoltaic phenomena in the electrochemical and solar cells, as well as nanoscale and advanced materials with special mechanical, electrical, optical, electrochemical and crystal engineering properties, in the absence and presence of electric and magnetic fields.</p> <p>۲- Theoretical and computational studies on the evolution of the electronic and nuclear wavepackets and high harmonic generation during the interaction of the ultra-intense and ultra-short laser pulses with small systems.</p> <p>۳- Theoretical and Computational studies on the structural and spectroscopic (UV-Vis, IR, NMR, NQR) characteristics, and stability, dynamic and reactivity of various species along the chemical reactions path.</p>	http://sci.ui.ac.ir/~sabzyan
Shams Soolary Esmaeil	chemistry	Professor	Environmental Chemistry, Separation and Electrochemistry	<p>۱- Electrochemical oxidation of sulfur and nitrogen compounds in fossil fuels</p> <p>۲- Electrochemical reduction of sulfur and nitrogen compounds in Integration of</p>	http://sci.ui.ac.ir/~e_shams
Sheibani Esmaeil	chemistry	Assistant Professor	Solar Cells, Material Chemistry, Organic Semiconductor □	<p>۱- Synthesis and application of organic electronic materials in solar cell devices.</p> <p>۲- New concept in material chemistry and energy.</p>	https://sciold.ui.ac.ir/~e.sheibani/ , http://sci.ui.ac.ir/~e.sheibani
Tangestani Nejad Shahram	chemistry	Professor	Catalysts, Nanomaterials, Drug Delivery and Energy	Catalysts, Nanomaterials, Drug Delivery and Energy	http://sci.ui.ac.ir/~stanges
Yadollahi Bahram	chemistry	Associate Preofessor	Catalysts, Nanomaterials, Drug Delivery and Energy	<p>۱- Study, planning, and synthesis of new polyoxometalates (POMs) and the POM-hybrid compounds</p> <p>۲- Investigation on the catalytic, photocatalytic, medicinal and ... of POMs</p> <p>۳- Investigation on the using from hybrid POMs in hydrogen evolution and photoreactions.</p>	http://sci.ui.ac.ir/~yadollahi

Zali Booeini Hassan	chemistry	Associate Preofessor	Organic chemistry-Polymer synthesis- Chemosensor	۱- separation ۲-synthesis ۳- catalyst and application	http://sci.ui.ac.ir/~h.zali
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