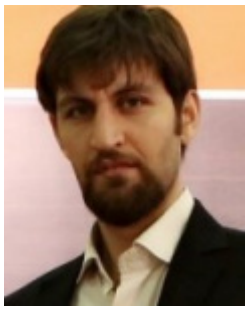

Mohsen Ashjari

Associate Professor

College: Faculty of Engineering

Department: Chemical Engineering

Education

Degree	Graduated in	Major	University
BSc	2004	Applied Chemistry	University of Kashan
MSc	2006	Polymer Engineering	Iran Polymer and Petrochemical Institute
Doctoral	2011	Polymer Engineering	Iran Polymer and Petrochemical Institute

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
Faculty of Engineering	Academic Staff	On Contract	Full Time	6

Work Experience

- Head of Chemical Engineering Department (2015 - 2017)

Awards

- Elected Teacher of Education - 2018

Subjects Taught

- Polymer - Nano - Analysis

Executions And Scientific Activities

- Supervisor of **16** postgraduate students (MSc) in various fields: Chemical Engineering (Polymer) – Nanochemistry – Nanochemical Engineering

Course Topics

- General Chemistry for Engineers

  Organic Chemistry for Chemical Engineers

  Analytical Chemistry for Chemical Engineers

  Introduction to Polymers

Journal Membership

Reviewer for Iranian Polymer Journal, Springer

Papers in Conferences

1. محسن اشجاری , راضیه مرعشی پور , ساره خیریه ,Preparation of PEG-BSA Conjugate for Stabilization of Water-in-Water Emulsions ,14 International Seminar on Polymer Science and Technology (ispst 2020) ,2020 11 10.
2. محسن اشجاری , محمد براتی , علیرضا صالحی فراهانی ,Preparation of Epoxy–Silicone/Fe3O4@SiO2 Nanocomposite and Investigation of Its Efficiency as a Soft Magnetic Composite ,شانزدهمین کنگره ملی مهندسی شیمی ایران ,تهران ,19 01 2019.

Papers in Journals

1. زهرا مومن زاده خولنجانی,محسن اشجاری,ابراهیم نعمتی لای,محمد پاکی,Highly efficient and reusable polyacrylonitrile-based nanocomposite sorbents for oil spill removal,Advanced Composite Materials,pp. 1,2024 08 06,SCOPUS ,JCR.
2. زهرا نیازی,محسن اشجاری,Folate-targeted albumin modified silica-gelatin hybrid nanocarrier involving synthesis and release characterization,Journal of Porous Materials,pp. 1,2024 07 30,SCOPUS ,JCR.
3. علیرضا کاویان پور,سیدنظام الدین حسینی,محسن اشجاری,مریم خاتمی,طراوت سادات حسینی,حسنا سلیمانی,Highly efficient strategy of lipopolysaccharide (LPS) decontamination from rHBsAg: synergistic effect of enhanced magnetic nanoparticles (MNPs) as an LPS affinity adsorbent (LAA) and surfactant as a dissociation factor,Preparative Biochemistry and Biotechnology,pp. 1,2024 07 13,SCOPUS ,JCR.
4. مهسا دهقانی,محسن اشجاری,زهرا نیازی,Efficient surface modification of silica-alginate nanocarrier as smart drug release platform,Journal of Dispersion Science and Technology,pp. 1,2024 04 11,SCOPUS ,JCR.
5. زهرا نیازی,محسن اشجاری,Hybrid nanoarchitecture of gelatin-modified silica-chitosan as an efficient delivery platform and functional role of crosslinking,International Journal of Polymeric Materials and Polymeric Biomaterials,2023 11 15,SCOPUS ,JCR.
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7. میلاد مهرابی,محسن اشجاری,فرشته مشکانی,Cobalt supported on silica–alumina nanocomposite for use in CO2 methanation process: effects of Si/Al molar ratio and Co loading on catalytic activity,Research on Chemical Intermediates,2023 10 30,SCOPUS ,JCR.
8. زهرا نیازی,محسن اشجاری,Formulation of Silica-Chitosan Hybrid Modified by BSA-Folate as a Drug Nanocarrier,Journal of Nanostructures,Vol. 13,pp. 382,2023 04 01,SCOPUS ,ISC ,JCR.
9. علی رضا ارمیده,محسن اشجاری,زهرا نیازی,Effects of natural polymers for enhanced silica-based mesoporous drug carrier,Journal of Drug Delivery Science and Technology,Vol. 81,pp. 104189,2023 01 28,SCOPUS ,JCR.

10. Ali Zolfaghari , Mehran Riazian , Mohsen Ashjari,Photodegradation of Methylene Blue and Evans Blue by Doped TiO2 Nanoparticles via Iron and Sulphur Dopants under Ultraviolet and Visible Light Irradiation,Journal of the Mexican Chemical Society,2021 04 29.
11. Yousef Janqamsari , Mohsen Ashjari , Zahra Niazi,Carbon nanotube promoted porous nanocomposite based on PVA and recycled PET fibers for efficient oil spills cleanup applications,Chemical Papers,2021 03 16.
12. Marzieh Kazemi , Mohsen Ashjari , Masoomeh Nazarabi,Multi-sensitive curcumin-loaded nanomicelle based on ABC-CBA block copolymer for sustained drug delivery,Drug Development and Industrial Pharmacy,2021 03 08.
13. Ali Zolfaghari , Mehran Riazian , Mohsen Ashjari,Preparation and photodeposition of Fe–S/TiO 2@ PEG nanoparticles for methylene blue and Evans blue,Research on Chemical Intermediates,2021 01 27.
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15. Masoud Zendehzaban , Mohsen Ashjari , Shahram Sharifnia , Hamed Bananifard,Buoyant polymer wrapped BiFeO 3 heterostructure as a floatable, visible light-driven photocatalyst for ammonia wastewater treatment,Journal of Materials Science: Materials in Electronics,2020 12 01.
16. Mohsen Ashjari , Marzieh Kazemi Masoome Nazar Abi , Mohsen Mohammadi , Somayeh Rafiezadeh,Poly (isopropyl-oxazoline) micelle nanocarrier as dual-responsive prodrug for targeted doxorubicin delivery,Journal of Drug Delivery Science and Technology,2020 10 01.
17. Ali Zolfagharia ,& Mehran Riazian Mohsen Ashjari,Photo-Degradation, Optical and structural investigation of TiO2 nanoparticles by Doping Silver and Sulphur in Anatase Crystallite Phase,NanoMaterials,2020 09 01.
18. Mohsen Ashjari , Farnoosh Panahandeh , Zahra Niazi , Mohammad Mahdi Abolhasani,Synthesis of PLGA–mPEG star-like block copolymer to form micelle loaded magnetite as a nanocarrier for hydrophobic anticancer drug,Journal of Drug Delivery Science and Technology,2020 04 01.
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20. M. Zendehzaban, M.Ashjari, S. Sharifnia,Preparation of floatable TiO2/PVA-alginate nanocomposite for the photodegradation of ammonia wastewater,International Journal of energy Research,2019 11 25.
21. M.Ashjari M. Kandoumal,The effect of plastic waste and elemental sulfur additives on chemical and physical properties of bitumen,BULG CHEM COMMUN,2019 09 09.
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23. Mohsen Ashjari et al.,Voltammetric analysis of mycophenolate mofetil in pharmaceutical samples via electrochemical nanostructure based sensor modified with ionic liquid and MgO/SWCNTs,J TAIWAN INST CHEM E,2017 11 01.
24. R Shabani et al.,In vitro toxicity assay of cisplatin on mouse acute lymphoblastic leukaemia and spermatogonial stem cells,ANDROLOGIA,2016 06 01.
25. MM Abolhasani , M Ashjari , S Azimi , H Fashandi,Investigation of an Abnormal Polymorph Formation in Miscible PVDF Nanocomposite Blend Using Kinetics of Crystallization,MACROMOL CHEM PHYS,2016 02 01,ISI.
26. Efficient functionalization of gold nanoparticles using cysteine conjugated protoporphyrin IX for singlet oxygen production in vitro,RSC ADV,2015 11 01,ISI.
27. Z Niazi ,& M Ashjari,Hybrid nanoarchitecture of gelatin-modified silica-chitosan as an efficient delivery platform and functional role of crosslinking,International journal of polymeric materials and polymeric biomaterials,01 11 2023.
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CO_2 methanation process: effects of Si/Al molar ratio and Co loading on catalytic activity,Research on Chemical Intermediates,01 11 2023.
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