
Personal Information

Date of Birth	July 15, 1965
Place of Birth	Tehran-Iran
Family status	Married, 2 children
Phone & cell phone	+98 (0) 24 3305 2581 +98 (0) 912 141 2564
E-mail	yaftian@znu.ac.ir
Web	http://www.znu.ac.ir/members/yaftian_mohammadreza
ORCID	https://orcid.org/0000-0003-3699-7861

Academic Qualifications

2015-2016	Sabbatical leave, School of Chemistry, The University of Melbourne
1993-1998	PhD in Physical and Analytical Chemistry, University of Louis Pasteur, Strasbourg, France
1988-1990	MSc in Analytical Chemistry, Isfahan University of Technology, Isfahan, Iran
1984-1988	BSc in Chemistry, University of Shahid Beheshti, Tehran, Iran

Academic Experiences

Since 2007	Professor, Department of Chemistry, University of Zanjan, Zanjan, Iran
2003 - 2007	Associate Professor, Department of Chemistry, University of Zanjan, Zanjan, Iran
1998 - 2003	Assistant Professor, Department of Chemistry, University of Zanjan, Zanjan, Iran
1990 – 1992	Lecturer, Department of Chemistry, University of Zanjan, Zanjan, Iran.

Administrative Experiences

2022-2025	Director General, Department of Environment of Zanjan Province, Zanjan, Iran
2008-2014	Vice President of Administrative and Financial Affairs, University of Zanjan, Zanjan, Iran
2006 – 2008	Dean of the Faculty of Science, University of Zanjan, Zanjan, Iran
2003 - 2004	Director in Charges of Research, University of Zanjan, Zanjan, Iran
2000 - 2003	Director in Charges of Education, University of Zanjan, Zanjan, Iran
1998 - 2000	Head of the Department of Chemistry, Faculty of Science, University of Zanjan, Zanjan, Iran

Supervisor

PhD thesis	25 students
MSc dissertation	200 students
BSc project	75 students

Membership

Since 1998	Member of the Iranian Chemical Society (ICS)
------------	--

Language Knowledge

- Persian
 - French
 - English
-

Awards

2024	Distinguished researcher, Faculty of Science, Zanjan University, Zanjan, Iran
2023	Top Researcher, Festival Celebrating Environmental Researchers, Technologists, and Innovators, Environmental Protection Organization, Tehran, Iran
2016	Distinguished researcher in basic science of the Zanjan Province, Zanjan, Iran
2013	Distinguished researcher, Faculty of Science, Zanjan University, Zanjan, Iran
2010	Distinguished researcher, Zanjan University, Zanjan, Iran
2005	Distinguished professor, Zanjan University, Zanjan, Iran
2000	Distinguished researcher, Zanjan University, Zanjan, Iran
1999	Distinguished professor, Zanjan University, Zanjan Iran

Courses Thought

BSc	General Chemistry, Physical Chemistry, Analytical Chemistry, Instrumental Analysis, Chemical Literatures Survey
MSc	Advanced Analytical Chemistry, Analytical Atomic Spectroscopy, Special Topics in Analytical Chemistry, Physical and Chemical Methods of Separation
PhD	Recent Developments in Instrumental Analysis, Application of Macrocyclic Compounds in Analytical Chemistry

Research Interest

- Chemical separation techniques including solvent extraction, liquid membrane based separations, and solid phase extraction, Sensor
- Polymer inclusion membranes
- Molecularly imprinted polymers
- Li/S batteries
- Pre-concentration and sample preparation
- Environmental analytical chemistry
- Electrochemical sensors

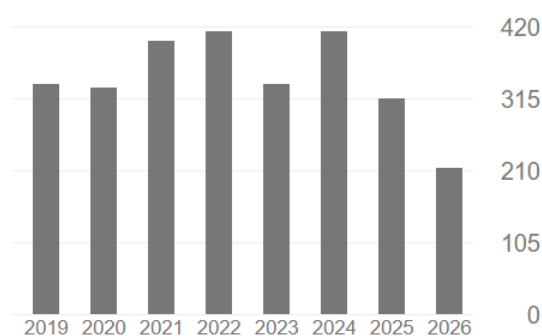
Papers

180 Papers published in the journals indexed in the ISI list

Google Scholar Report

(12, Aug. 2026)

Cited by	VIEW ALL	
	All	Since 2021
Citations	4555	2099
h-index	38	23
i10-index	119	67



Selected Papers in last five years (2022-2026)

2026

- P. Nakhostin Panahi, F. Zamani, M. R. Yaftian, B. Farajmand
Homogenizer-assisted dispersive liquid-liquid microextraction followed by ion mobility spectrometry for the determination of fluconazole in samples
Scientific Reports, Accepted (2026).

- F. Najafi, L. Dlatyari, H. Shayani-Jam, M. R. Yaftian
Aliquat IL336 vs. Cyphos IL101 extractants for the solvent extraction of heavy metals from zinc plants residues
Scientific Reports, Accepted (2026)

- R. Babereh, H. Shayani-Jam, M. R. Yaftian, B. Farajmand, M. H. Moeini, Sh. Moeinifar
Electrochemical evaluation of plant extracts as potential antidotes for acetaminophen poisoning
Analyst, 151, 2927-2934 (2026)

- F. Zandyan, H. Shayani-Jam, M. R. Yaftian
Two-step electrochemical oxidation of 5-Hydroxytryptophan in acidic media: end-on adsorption, pH/temperature-dependent mechanism, and thermodynamic control
J. Molecul. Struct. Accepted (2026)

2025

- F. Zandian, H. Shayani-Jam, M. R. Yaftian, pH-Dependent redox chemistry and electrochemical behavior of Flutamide: reduction, Oxidation and dimerization, J. Molecul. Struct. 1348, 143423 (2025)
<https://doi.org/10.1016/j.molstruc.2025.143423>.

- Z. Askarian Chaijan, S. Bahrami, L. Dolatyari, B. Farajmand, M. R. Yaftian, Recovery of the Co(II) ions from thiocyanate aqueous solutions using cellulose triacetate/ tri-n-octylamine/ tributyl phosphate polymer inclusion membranes, Minerals Engineering 233, 109618 (2025).
<https://doi.org/10.1016/j.mineng.2025.109618>

- Z. Raeisi, H. Shayani-Jam, M. R. Yaftian, B. Farajmand, Electrochemical Oxidation of Hydroxychloroquine; Mechanistic Insights and Degradation Pathways, J. Molecul. Struct. 1349, 142548 (2025).
<https://doi.org/10.1016/j.molstruc.2025.142548>

2024

- J. Rajabi-Orhania, L. Dolatyari, M. R. Yaftian, A different application of the Aliquat®336 loaded poly(vinylidene fluoride-co-hexafluoropropylene) based electrospun nanofibers disks for the preconcentration followed by flame atomic absorption spectroscopy detection of low-level Bi(III), Microchem. J., 207, 111703 (2024).
<https://doi.org/10.1016/j.microc.2024.111703>

- S. Faraji, H. Shayani-Jam, M. R. Yaftian, Preparation of an electrochemical sensor based on layered double hydroxides for the determination of mesalazine, Monatsh. Chem. (Chem. Monthly), Accepted (2024).
<https://doi.org/10.1007/s00706-024-03253-w>

- S. Gohari, M. Tokur, M. R. Yaftian, H. Akbulut
Improving aqueous lithium-sulfur battery efficiency through tuned sulfur@hydroxyl functionalized graphene nanocomposites, Diam. Relat. Mater. 148, 111512 (2024).
<https://doi.org/10.1016/j.diamond.2024.111512>

- S. Gohari, M. Tokur, M. R. Yaftian, H. Akbulut, Sulfur-infused multi-layer graphene elevating aqueous lithium-sulfur battery lifespan, Diam. Relat. Mater. 146, 111206 (2024).
<https://doi.org/10.1016/j.diamond.2024.111206>

- D. Kazemi, M. R. Yaftian, PVDF-HFP-based polymer inclusion membrane functionalized with D2EHPA for the selective extraction of bismuth(III) from sulfate media, Sci. Rep. 14, 11622 (2024).
<https://doi.org/10.1038/s41598-024-62401-8>

- J. Rajabi-Orhani, L. Dolatyari, M. R. Yaftian, Comparison of the electrospun nanofiber discs and polymer inclusion membranes composed of PVC/Alquat® 336 for the extraction of Bi(III) from zinc ingots, *J. Environ. Chem. Eng.* 12, 112866 (2024).
<https://doi.org/10.1016/j.jece.2024.112866>
- S. Hadadian, L. Dolatyari, B. Farajmand, M. R. Yaftian, Methylene blue elimination from contaminated water solutions using a polyvinyl chloride based polymer inclusion membrane containing bis(2-ethylhexyl)phosphoric acid, *Chem. Rev. Lett.* 7, 311-324 (2024).
<https://doi.org/10.22034/crl.2024.437064.1287>
- Z. Darban, B. Farajmand, M. R. Yaftian, P. Nakhostin Panahi, H. Bahrami, Arduino-based paired emitter-detector diode photometer for the sensitive determination of cobalt following thin film microextraction using a polymer inclusion membrane, *Anal. Lett.* 57, 2426-2442 (2024).
<https://doi.org/10.1080/00032719.2023.2297297>
- S. Gohari, M. Tokur, M. R. Yaftian, H. Shayani-Jam, H. Akbulut, M. R. Sovizi, Advancements in the long-term performance of aqueous lithium-sulfur batteries, *Diam. Relat. Mater.* 141, 110615 (2024).
<https://doi.org/10.1016/j.diamond.2023.110615>
- M. Afshar, L. Dolatyari, P. Soheili-Azad, M. S. Seyyed Dorraji, M. R. Yaftian, Unmodified and rGO-modified Zn/Al layered double hydroxides; nanoadsorbents employed for the solid phase extraction/HPLC determination of naproxen, *J. Disp. Sci. Technol.* 45, 2060-2070 (2024).
<https://doi.org/10.1080/01932691.2023.2247061>

2023

- Z. Raeisi, B. Farajmand, P. Nakhostin Panahi, M. R. Yaftian, Gold recovery from electronic wastes using a solvent extraction/selective back-extraction strategy, *Sep. Sci. Technol.* 58, 2961-2970, (2023).
<https://doi.org/10.1080/01496395.2023.2260945>
- S. Gohari, M. R. Yaftian, M. Tokur, A. Kızılaslan, H. Shayani-Jam, H. Akbulut, M. R. Sovizi, Parametric optimization of sulfur@graphene composites for aqueous and solid-state rechargeable lithium-sulfur batteries, *Diam. Relat. Mater.* 139, 110267 (2023). (image cover page)
<https://doi.org/10.1016/j.diamond.2023.110267>
- S. Bahrami, L. Dolatyari, M. R. Yaftian, Polymer inclusion membranes composed of poly(vinylidene fluoride-co- hexafluoropropylene) and trihexyltetradecylphosphonium chloride, or trioctylmethylammonium chloride: kinetics and isotherms of Cr(VI) removal, *Iran. Polym. J.* 32, 897-909 (2023).
<https://doi.org/10.1007/s13726-023-01174-9>
- S. Rasouli Garmarodi, A. Nilchi, M. R. Yaftian, J. Rafiei, Optimization and modeling of preconcentration of lead in rice samples by organic gas steam-liquid extraction, *Inter. J. Environ. Sci. Technol.* 20, 2829-2838 (2023).
<https://doi.org/10.1007/s13762-022-04716-5>

2022

- S. Gohari, M. R. Yaftian, M. R. Sovizi, M. Tokur, H. Shayani-Jam, H. R. Sharafi, A parametric study on encapsulation of elemental sulfur inside CNTs by sonically assisted capillary method: Cathodic material for rechargeable Li-S batteries, *Micropor. Mesopor. Mater.* 340, 112033 (2022).
<https://doi.org/10.1016/j.micromeso.2022.112033>
- S. M. Sharifkhani, M. R. Yaftian, M. Haji Hosseini, E. Zolfonoun, S. Kakaei, Application of organic gas steam- liquid extraction system for extraction and separation of uranium from water samples as a new efficient method, *Radiochem. Acta* 110, 833-840 (2022).
<https://doi.org/10.1515/ract-2022-0002>
- S. Bahrami, L. Dolatyari, H. Shayani-Jam, M. R. Yaftian, Membrane extraction of V(V) by an oleic acid plasticized PVC/Alquat® 336 polymer inclusion membrane, *J. Appl. Polym. Sci.* 139, 52434 (2022).
<https://doi.org/10.1002/app.52434>

- S. Bahrami, L. Dolatyari, H. Shayani-Jam, M. R. Yaftian, S. D. Kolev, On the potential of a poly(vinylidene fluoride-cohexafluoropropylene) polymer inclusion membrane containing Aliquat® 336 and dibutyl phthalate for V(V) extraction from sulfate solutions, *Membranes* 12, 1-19 (2022).
<https://doi.org/10.3390/membranes12010090>
- D. Kazemi, M. R. Yaftian, Selective transport-recovery of bismuth(III) by a polymer inclusion membrane containing polyvinyl chloride base polymer and bis(2-ethylhexyl)phosphoric acid, *Sep. Purif. Technol.* 285, 120375 (2022).
<https://doi.org/10.1016/j.seppur.2021.120375>
- Sh. Velayati, F. Saadati, H. Shayani-Jam, A. Shekari, R. Valipour, M. R. Yaftian, Fabrication and evaluation of a molecularly imprinted polymer electrochemical nanosensor for the sensitive monitoring of phenobarbital in biological samples, *Microchem. J.* 174, 107063 (2022).
<https://doi.org/10.1016/j.microc.2021.107063>
- A. Najafi, B. Farajmand, H. R. Sharafi, M. R. Yaftian, A fast and sensitive detection of low-level chloramphenicol in food samples using the IMS/homogenizer assisted DLPME combination, *J. Food Compos. Anal.* 105, 104204 (2022).
<https://doi.org/10.1016/j.jfca.2021.104204>

Reviewer of the 68 journals indexed in the ISI list (328 papers)

1. ACS Sustainable Chemistry & Engineering (American Chemical Society)
2. ACS omega (American Chemical Society)
3. Industrial and Engineering Chemistry Research (American Chemical Society)
4. Separation and Purification Technology (Elsevier)
5. Reactive and Functional Polymers (Elsevier)
6. Journal of Hazardous Materials (Elsevier)
7. Journal of Chemical Thermodynamics (Elsevier)
8. Journal of Membrane Science (Elsevier)
9. Talanta (Elsevier)
10. Chemical Engineering Journal (Elsevier)
11. Applied Radiation and Isotopes (Elsevier)
12. Chemical Engineering Research and Design (Elsevier)
13. Desalination (Elsevier)
14. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy (Elsevier)
15. Journal of Chromatography A (Elsevier)
16. Colloids and Surfaces A: Physicochemical and Engineering Aspects (Elsevier)
17. Journal of Industrial and Engineering Chemistry (Elsevier)
18. Journal of Rare Earths (Elsevier)
19. Materials Chemistry and Physics (Elsevier)
20. Sensors and Actuators B (Elsevier)
21. Transactions of Nonferrous Metals Society of China (Elsevier)
22. Microchemical Journal (Elsevier)
23. Journal of Molecular Liquids (Elsevier)
24. Environmental Technology & Innovation (Elsevier)
25. Arabian Journal of Chemistry (Elsevier)
26. Physical Chemistry Chemical Physics (RSC)
27. Asia-Pacific Journal of Chemical Engineering (Wiley)
28. ChemSusChem (Wiley)
29. Korean Journal of Chemical Engineering (Springer)
30. International Journal of Environmental Science and Technology (Springer)
31. Journal of Iranian Chemical Society (Springer)
32. Food Analytical Methods (Springer)
33. Environmental Technology (Taylor & Francis)

34. Chemical Engineering Communications (Taylor & Francis)
35. Journal of Dispersion Science and Technology (Taylor & Francis)
36. Soft Materials (Taylor & Francis)
37. Separation Science and Technology (Taylor & Francis)
38. International Journal of Phytoremediation (Taylor & Francis)
39. Separation Science and Technology (Taylor & Francis)
40. International Journal of Environmental Analytical Chemistry (Taylor & Francis)
41. Environmental Quality Management (Taylor & Francis)
42. Desalination and Water Treatment
43. Indian Journal of Chemical Technology
44. Journal of Industrial & Engineering Chemistry Research
45. Journal of the Chilean Chemical Society
46. Turkish Journal of Chemistry
47. Materials Research (Universidade Fedral de Sao Carlos, Brazil)
48. International Journal of Chemical Engineering
49. Philippine Journal of Science
50. Desalination and Water Treatment
51. Biomedical and Environmental Sciences
52. Iranian Journal of Chemistry and Chemical Engineering (Jahad Daneshgahi Iran)
53. Indonesian Journal of Chemistry
54. Minerals Engineering (Elsevier)
55. Inorganica Chimica Acta (Elsevier)
56. Journal of Water Process and Engineering (Elsevier)
57. Journal of Technology and Biotechnology (Wiely)
58. Results in Chemistry (Elsevier)
59. Chemical Engineering Science (Elsevier)
60. Journal of Applied Polymer Science (Wiely)
61. Journal Food Composition and Analysis (Elsevier)
62. Solvent Extraction and Ion Exchange (Taylor and Francis)
63. Spectroscopy Letters (Taylor and Francis)
64. Chemical Communication (Royal Society of Chemistry)
65. Indian Chemical Engineer
66. Environmental Quality Management (Wiley)
67. Applied Engineering Materials (ACS)
68. Surfaces and Interfaces (Elsevier)