

# MASSOUD KAYKHAII

## (Professor of Chemistry)

### BORN ON

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08/08/1967 Mashhad /Iran (Married, One Daughter)

### EDUCATION

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1984 – 1989	<i>B.Sc., Chemistry</i>	Shiraz University	Shiraz/Iran
1991 – 1993	<i>M.Sc., Chemistry</i> (Thesis= Atomic Spectroscopy)	Ferdowsi University	Mashhad/Iran <b>Best Student Award</b>
1997 – 2002	<i>Ph.D., Analytical Chemistry</i> (Thesis=Chromatography/Mass Spectrometry)	Ferdowsi University	Mashhad/Iran <b>Best Student Award</b>
1999 – 2000	<i>Guest Researcher</i> (Research on SPME/Membrane Extraction)	University of Waterloo	Waterloo/Canada <b>Supervisor: Prof. J. B. Pawliszyn</b>
2008 – 2009	<i>Postdoctoral Fellow</i> (Research on Nano-particle coated SPME)	University of Tasmania	Hobart/Australia <b>Supervisor: Prof. P. R. Haddad</b>
Summer 2009	<i>Guest Researcher</i> Separation Science	The Australian Centre for Research on	(Research on SPME for the determination of inorganic ions)
2012 – 2012	<i>Postdoctoral Fellow</i> (Research on application of ILs for sample prep in CE)	University of Tasmania	Hobart/Australia <b>Supervisor: Prof. P. Haddad</b>
2015-2016	<i>Visiting Professor</i> (Research on fab high surface area SPME fibres by sputtering)	Brigham Young University	Provo/USA <b>Supervisor: Prof. M. R. Linford</b>
2016-2016	<i>Faculty Member/ Postdoctoral Fellow</i> (Research on application of novel, high surface area, adsorption-based SPME fibres)	Brigham Young University	Provo/USA <b>Supervisor: Prof. M. R. Linford</b>
Summer 2017	<i>Research Scholar</i> (Research on application of SPME-GC×GC-Chemometrics for the analysis of essential oils)	Brigham Young University	Provo/USA

## WORK EXPERIENCE

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### A) Teaching Experiences:

*Lecturer of Various Chemistry Courses for Science, Chemistry, Engineering and Medical Sciences as below:*

1989 - Present	University of Sistan and Baluchestan <i>Member of Scientific Board, Professor</i>	Zahedan/Iran
1992–1993	Medical Sciences University <i>Head of Research Department</i>	Zahedan/Iran
1988-1999	Teacher Training University, Open University, Long Distance University, Centre for Teachers Higher Education <i>Senior Lecturer</i>	Mashhad/Iran and Zahedan/Iran

### Courses Taught:

- *General Chemistry* for: Chemistry majors, Biology/Geology majors, Engineering, and Medical Sciences students
- *Analytical Chemistry* for: Chemistry majors, Engineering, and Geology Students
- *Instrumental Analysis* for: Chemistry majors, Medical Sciences, and Geology Students
- *Advanced Courses* for Ph.D. and M.Sc. students of Chemistry, Biology and Geology, such as: Lasers, Advanced Analytical Chemistry, Separation, Chromatography, Special Topics, Advanced Instrumentation, Statistics in Chemical Analysis, Analysis of Rocks, Bioanalytical Chemistry
- *Laboratories*: General Chemistry, Inorganic Chemistry, Analytical and Instrumental Analysis.

### B) Other Scientific Activities:

- Chairman of *Smartphone Analytical Sensors Research Centre*.
- Member of the Board of Founders of *Environmental and Health Research Centre* of Zabol University of Medical Sciences.
- As a counselor in: *Institute of Standards and Industrial Research of Iran, Water and Waste Water Eng. Co. of Iran, "Iran" Welding Co., Shahdiran Fruit Juice Co., Mahtab Lamp & Bulb Co., Building several Industrial and Educational Analytical Laboratories, Finishing several research projects in the fields of 'sample preparation', Chromatography, Mass Spectrometry and Spectroscopy, etc.*
- Secretary of ISO/TC 201 National Mirror Committee, "*Surface Chemical Analysis*".
- Secretary of ISO/TC 202 National Mirror Committee, "*Micro-beam Analysis*".
- Secretary of ISO/REMCO National Mirror Committee, "*Reference Materials*".

- Editorial Board Member, *Journal of Chemical and Materials Engineering*,  
[http://www.hrpub.org/journals/jour\\_editorialboard.php?id=55](http://www.hrpub.org/journals/jour_editorialboard.php?id=55)
- Editor-in-Chief, *Journal of Advanced Researches in Analytical Chemistry*,  
<http://jarac.malayeru.ac.ir/journal/editorial.board>
- Editorial in Chief, *Journal of Molecular and Applied Bioanalysis*,  
[www.clytoaccess.com/dr-massoud-kaykhaii?confid=16](http://www.clytoaccess.com/dr-massoud-kaykhaii?confid=16)
- Editor-in-Chief, *Journal of Clinical and Bioanalytical Chemistry*,  
<http://www.alliedacademies.org/clinical-and-bioanalytical-chemistry/editors.php>
- Editorial Board Member, *International Journal of Chemical and Biomedical Science*,  
<http://www.aascit.org/journal/editorial?journalId=890>
- Editorial Board Member, *International Journal of Applied Research*,  
<http://www.allresearchjournal.com/board.php>
- Editorial Board Member, *American Journal of Chemistry and Application*,  
<http://www.aascit.org/journal/editorial?journalId=905>
- Editorial Board Member, *Herbal Medicine: Open Access*  
<http://herbal-medicine.imedpub.com/editors.php>
- Editorial Board Member, *Journal of Forensic Toxicology & Pharmacology*,  
<http://www.scitechnol.com/editorialboard-forensic-toxicology-and-pharmacology.php>
- Editorial Board Member, *Eurasian Journal of Analytical Chemistry*,  
<http://www.iserjournals.com/journals/ejac/editorial>
- Editorial Board Member, *International Journal of Advanced Research in Chemical Science*,  
<https://www.arcjournals.org/international-journal-of-advanced-research-in-chemical-science/editorial-board>
- Editorial Board Member, *MAYFEB Journal of Chemistry*,  
<http://mayfeb.com/OJS/index.php/CHS/about/editorialTeam>
- Editorial Advisory Board Member, *Current Chromatography*,  
<http://benthamsience.com/journals/current-chromatography/editorial-board/#top>
- Editorial Board Member, *International Journal of Environmental Chemistry*,  
<http://www.sciencepublishinggroup.com/journal/editorialboard?journalid=292>
- Editorial Advisory Board Member, *International Journal of Engineering and Science*,  
<http://jorse.jseas.ir>
- Editorial Board Member, *Journal of Analytical & Pharmaceutical Research*,  
<http://medcraveonline.com/JAPLR/editorial-board>
- Editorial Advisory Board Member, *Asian Journal of Pharmacy and Pharmacology*,  
<http://www.ajpp.in/editorialboard.php>
- Editorial Board Member, *International Journal of Analytical Mass Spectrometry and Chromatography*,  
<http://www.scirp.org/Journal/EditorialBoard.aspx?JournalID=2449>
- Editorial Board Member, *The International Journal of Chemistry*,

- <http://advancejournals.org/The-International-Journal-of-Chemistry/editor-board>
- Editorial Board Member, *The Pharmaceutical and Chemical Journal*, <http://tpcj.org/editorial-board>
  - Editorial Advisory Board Member, *Journal of Materials & Applied Science*, <http://www.jscimedcentral.com/Materials/editors.php>
  - Editorial Advisory Board Member, *MAYFEB Journal of Chemistry and Chemical Engineering*, <http://mayfeb.com/OJS/index.php/CHS/about/editorialTeam>
  - Editorial Board Member, *Voice of the Publisher*, <http://www.scirp.org/journal/DetailedInforOfEditorialBoard.aspx?personID=10667>
  - Editorial Advisory Board Member, *Trends in Green Chemistry*, <http://green-chemistry.imedpub.com/editors.php>
  - Editorial Advisory Board Member, *Insights in Analytical Electrochemistry*, <http://electroanalytical.imedpub.com/editors.php>
  - Editorial Advisory Board Member, *Archives in Chemical Research*, <http://www.imedpub.com/archives-in-chemical-research/editors.php>
  - Editorial Advisory Board Member, *Chemistry Research Journal*, <http://chemrj.org/editorial-board>
  - Editorial Advisory Board Member, *Journal of Analytical, Bioanalytical and Separation Techniques*, <http://www.ommegaonline.org/editor-details/7130>
  - Editorial Advisory Board Member, *Annals of Chromatography and Separation Techniques*, <http://smjournals.com/chromatography/editorial-board.php>
  - Member of Technical Committee, *International Seminar on Artificial Intelligence, Networking and Information Technology*, December 4- 5, 2017, Bangkok, Thailand ([www.anitconf.info/2017/committee.html](http://www.anitconf.info/2017/committee.html)).
  - Member of Technical Committee, *International Seminar on Artificial Intelligence, Networking and Information Technology*, November 10-11, 2018, Shanghai, China (<http://www.anitconf.info/committee.html>).
  - Member of Organizing Committee, *International Conference and Exhibition on Pharmaceutical Nanotechnology and Nanomedicine*, April 18-19, 2018, Las Vegas, USA (<https://nanomedicine.pharmaceuticalconferences.com/usa/organizing-committee.php>).
  - Member of Organizing Committee, *World Conference on Analytical & Bioanalytical Chemistry*, July 23-24, 2018, Barcelona, Spain ([www.scientificfederation.com/analytical-chemistry-2018/organizing-committee.php](http://www.scientificfederation.com/analytical-chemistry-2018/organizing-committee.php)).
  - Member of Organizing Committee, *International Conference on Medicinal Chemistry & Drug Design*, August 20-21, 2018, Paris, France (<http://scientificfederation.com/medicinal-chemistry-2018/organizing-committee.php>).
  - Editorial Advisory Board Member, *International Journal of Chromatography and Separation Techniques*, <http://gavinpublishers.com/international-journal-of-chromatography-and-separation-techniques-editorial-board%20/>
  - Editorial Advisory Board Member, *Chemical Sciences Journal*, <https://www.omicsonline.com/open-access/editorialboard-chemical-sciences-journal-open-access.php>
  - Editorial Advisory Board Member, *Open Access Journal of Chemistry*, <http://www.sryahwapublications.com/open-access-journal-of-chemistry/editorial-board>

- Editorial Advisory Board Member, *International Journal of Academic Research and Development*, <http://www.academicjournal.com/board>
- Editorial Advisory Board Member, *National Journal of Multidisciplinary Research and Development*, <http://www.nationaljournals.com/board>
- Editorial Advisory Board Member, *Pollution Research*, [www.envirobiotechjournals.com/PR\\_editorial\\_board.php](http://www.envirobiotechjournals.com/PR_editorial_board.php)
- Editorial Advisory Board Member, *Analytical Chemistry: An Indian Journal*, <http://www.tsijournals.com/journals/analytical-chemistry-an-indian-journal-editors.html>
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- Editorial Advisory Board Member, *Journal of New Developments in Chemistry*, <http://oap-journals.org/journal/jndc/editorial-board>
- Editorial Advisory Board Member, *Journal of Scientific and Engineering Research*, <http://jsaer.com/editorial-board>
- Editorial Advisory Board Member, *SciFed Journal of Polymer Science*, <http://scifed.com/journal-of-polymerscience/editorial-board.php>
- Editorial Advisory Board Member, *Nanomedicine & Nanotechnology Open Access*, <https://medwinpublishers.com/NNOA/editorial-board.php>
- Editorial Advisory Board Member, *Biology & Medicine Case Report*, <http://scifed.com/journal-of-polymerscience/editorial-board.php>
- Editorial Advisory Board Member, *International Journal of Advanced Research in Chemical Science*, <https://www.arcjournals.org/international-journal-of-advanced-research-in-chemical-science/editorial-board>
- Editorial Advisory Board Member, *International Journal of Advanced Science and Research*, <http://www.allsciencejournal.com/board>
- Reviewer Board Member, *International Journal of Experimental Spectroscopic Techniques*, <http://vibgyorpublishers.org/journals/International-Journal-of-Experimental-Spectroscopic-Techniques.php>
- Member of Technical committee, *International Conference on Modern Researches in Science and Engineering at 21<sup>st</sup> Century*, November 8-9, 2017, Astara, Iran.
- Editorial Advisory Board Member, *SciFed Journal of Analytical Biochemistry*, <http://scifed.com/journal-of-analytical-biochemistry/editorial-board.php>
- Editorial Advisory Board Member, *Enliven: Bio analytical Techniques*, [http://www.enlivenarchive.org/bioanalytical-techniques-open-access/index.php?content=editorial\\_board](http://www.enlivenarchive.org/bioanalytical-techniques-open-access/index.php?content=editorial_board)
- Associate Editor, *Basic Research Journal of Soil and Environmental Science*, [www.basicresearchjournals.org/soil%20and%20environmental%20science/jsesedt.html](http://www.basicresearchjournals.org/soil%20and%20environmental%20science/jsesedt.html)
- Editorial Advisory Board Member, *Scientific Reviews and Chemical Communications*, <http://www.tsijournals.com/journals/scientific-reviews-and-chemical-communications-editors.html>
- Editorial Advisory Board Member, *Journal of Applied Biotechnology & Bioengineering*, <http://medcraveonline.com/JABB/editorial-board>

- Editorial Advisory Board Member, *International Journal of Petrochemical Science & Engineering*, <http://medcraveonline.com/IPCSE/editorial-board>
- Editorial Advisory Board Member, *HSOA Journal of Modern Chemical Sciences*, [www.heraldopenaccess.us/journals/Modern-Chemical-Sciences/editorial-board.php](http://www.heraldopenaccess.us/journals/Modern-Chemical-Sciences/editorial-board.php)
- Editorial Advisory Board Member, *Scientia Research Library*, <http://scientiaresearchlibrary.com/editorial-board.php>
- Editorial Advisory Board Member, *International Journal of Clinical Chemistry and Laboratory Medicine*, [www.arcjournals.org/international-journal-of-clinical-chemistry-and-laboratory-medicine/editorial-board](http://www.arcjournals.org/international-journal-of-clinical-chemistry-and-laboratory-medicine/editorial-board)
- Editorial Advisory Board Member, *International Journal of Biopharmaceutical Sciences*, <http://www.boffinaccess.com/journals/biopharmaceutical-sciences/editorial-board.php>
- Editorial Advisory Board Member, *Chemistry Research Journal*, <http://chemrj.org/editorial-board>
- Editorial Advisory Board Member, *Pharmaceutica Analytica Acta*, <https://www.omicsonline.org/editorialboard-pharmaceutica-analytica-acta-open-access.php>
- Editorial Advisory Board Member, *Journal of Clinical Biochemistry*, <https://www.pulsus.com/journal-clinical-biochemistry/editorial-board.html>
- Editorial Advisory Board Member, *SciFed Journal of Separation Techniques*, <http://scifed.com/journal-of-seperation-techniques/editorial-board.php>
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- Editorial Advisory Board Member, *Journal of Bioinformatics and Genomics*, <http://journal-biogen.org/about/editorialTeam>
- Editorial Advisory Board Member, *Journal of Clinical research and Bioethics*, <https://www.omicsonline.org/editorialboard-clinical-research-bioethics-open-access.php>
- Editorial Advisory Board Member, *Journal of Industrial and Environmental Chemistry*, <http://www.alliedacademies.org/journal-industrial-environmental-chemistry/editors.php>
- Editorial Advisory Board Member, *International Journal and Biopharmaceutical Sciences*, <http://www.boffinaccess.com/journals/biopharmaceutical-sciences/editorial-board.php>
- Editorial Advisory Board Member, *Journal of Pollution*, <https://www.omicsonline.org/editorialboard-journal-pollution.php>
- Editorial Advisory Board Member, *NESSA Journal of Forensic Sciences & Crime*, [http://nessapublishers.com/view-journal.php?id=66/NESSA-Journal-of-Forensic-Sciences-&-Crime--\(NJFSC\)-#axzz4px1ElfCL](http://nessapublishers.com/view-journal.php?id=66/NESSA-Journal-of-Forensic-Sciences-&-Crime--(NJFSC)-#axzz4px1ElfCL)
- Editorial Advisory Board Member, *Scientia Research Library*, <http://scientiaresearchlibrary.com/editorial-board.php>

- Editorial Advisory Board Member, *International Journal of Clinical Chemistry and Laboratory Medicine*, <https://www.arcjournals.org/international-journal-of-clinical-chemistry-and-laboratory-medicine/editorial-board>
- Editorial Advisory Board Member, *Journal of Biochemistry and Analytical studies*, <http://sciforschenonline.org/journals/bioanalytical-techniques/massoud-kaykhahi.php>
- Editorial Advisory Board Member, *Journal of Current Chemical and Pharmaceutical Sciences*, [www.tsijournals.com/journals/journal-of-current-chemical-and-pharmaceutical-sciences-editors.html](http://www.tsijournals.com/journals/journal-of-current-chemical-and-pharmaceutical-sciences-editors.html)
- Editorial Advisory Board Member, *Jacobs Journal of Bioinformatics and Proteomics*, <http://jacobs.cloudapp.net/index.php/journal-of-bioinformatics-and-proteomics-editorial-board>
- Editorial Advisory Board Member, *Medicinal & Analytical Chemistry International Journal*, <https://medwinpublishers.com/MACIJ/editorial-board.php>
- Editorial Advisory Board Member, *Modern Chemistry & Applications*, <https://www.omicsonline.org/editorialboard-modern-chemistry-applications-open-access.php>
- Editorial Advisory Board Member, *International Journal of Innovative Studies in Medical Sciences*, <http://ijisms.com/editorial-board>
- Editorial Advisory Board Member, *Madridge Journal of Analytical Sciences and Instrumentation*, <http://madridge.org/journal-of-analytical-sciences-and-instrumentation/editors.php>
- Editorial Advisory Board Member, *Elixir International Journal*, [http://www.elixirpublishers.com/index.php?route=information/information&information\\_id=91\\_55](http://www.elixirpublishers.com/index.php?route=information/information&information_id=91_55)
- Editorial Advisory Board Member, *Journal of Medicinal Chemistry and Drug Design*, <https://sciforschenonline.org/journals/medicinal-chemistry-drug-design/editorial-board.php>
- Editorial Advisory Board Member, *Journal of Chemical Technology and Applications*, <http://www.alliedacademies.org/journal-chemical-technology-applications/editors.php>
- Editorial Advisory Board Member, *Biopharmaceutics and Therapeutic Challenges*, <http://sciaeon.org/biopharmaceutics-and-therapeutic-challenges/editorial-board>
- Editorial Advisory Board Member, *Journal Pharmacology Research & Therapeutics*, <http://www.heraldopenaccess.us/journals/Pharmacology-Research-&-Therapeutics/editorial-board.php>
- Editorial Advisory Board Member, *International Journal of Research in Pharmacy and Biosciences*, <http://www.ijrpb.org/editorial-board>
- Editorial Advisory Board Member, *International Journal of Emerging Engineering Research and Technology*, <http://www.ijeert.org/editorial-board>
- Editorial Advisory Board Member, *Research & Development in Material Science*, <http://crimsonpublishers.com/rdms/editorial-board.php#>
- Editorial Advisory Board Member, *Advances in Pharmacology & Clinical Trials*, <https://medwinpublishers.com/APCT/editorial-board.php>

- Member of Scientific Committee, International Congress of Chemistry and Nanochemistry: from Research to Technology, July 11-12, 2018, Tehran, Iran (<http://iccnrt.com/fa/page.php?rid=39>).
- Member of Scientific Committee, First National Congress of Dust: Health Concerns, February 4-6, 2019, Zabol, Iran (<http://www.1hdustconf.ir/ConfSCommittee.aspx>).
- Member of Board of Directors, Iranian Chemical Sciences and Technologies Association.

### **Scientific Publications List:**

1. M. Kaykhahi, A. Sarafraz, M. Chamsaz and J. Pawliszyn, "Membrane extraction with sorbent interface-gas chromatography as an effective and fast means for continuous monitoring of thermal degradation products of polyacrylonitrile", *Analyst*, July **2002**, 127, 912-916.
2. I. Ciucanu, M. Kaykhahi, L. Montero, J. Pawliszyn and J. Szubra, "Continuous monitoring of thermooxidative degradation products of polystyrene by membrane extraction with sorbent interface and gas chromatography" *Journal of Chromatographic Science*, July **2002**, 40, 350-354.
3. M. Bakavoli and M. Kaykhahi, "Quantitative determination of diazepam, nitrazepam and flunitrazepam in tablets using thin-layer chromatography – densitometry technique", *Journal of Pharmaceutical and Biomedical Analysis*, April **2003**, 31, 1185-1189.
4. M. Kaykhahi and I. Ciucanu, "Membrane in tandem with a helical sorbent trap as continuous sampling technique of the polyvinyl chloride thermo-oxidative degradation products for their on-line gas chromatographic monitoring", *Analytica Chimica Acta*, September **2003**, 491(2), 163-171.
5. A. A. Mirzaei, and M. Kaykhahi, "Kinetics and mechanism of potassium persulphate/L-serine initiated polymerization of methyl methacrylate", *Journal of Polymer Research*, September **2004**, 11(3), 231-238.
6. A. A. Mirzaei, H. R. Shaterian, and M. Kaykhahi, "The X-ray photoelectron spectroscopy of surface composition of aged mixed copper manganese oxide catalysts", *Applied Surface Science*, January **2005**, 239 (2), 246-254.
7. M. Kaykhahi, S. Nazari and M. Chamsaz, "Determination of aliphatic amines in water by gas chromatography using headspace solvent microextraction", *Talanta*, January **2005**, 65 (1), 223-228.
8. N. Pourreza, M. Kaykhahi and N. Behdarvand, "Solid phase extraction of nickel as methylthymol blue complex on naphthalene adsorbent and flame atomic absorption spectrometric determination", *Canadian Journal of Analytical Sciences & Spectroscopy*, January **2006**, 54 (1), 17-23.
9. M. Kaykhahi and M. Rahmani, "Headspace liquid phase microextraction (HS-LPME) for quantitation of hexanal in potato crisps using gas chromatography", *Journal of Separation Science*, March **2007**, 30 (4), 573-578.
10. M. Kaykhahi, M. Ghassaban-Shirvan and Y. Sehri, "Application of solvent microextraction (SME) for quantitation of dialkyl phthalate esters in water using gas chromatography", *Chemia Analityczna (Chemical Analysis)*, July **2007**, 52 (3), 453-463.
11. M. Kaykhahi and M. Mirbalouchzahi, "Direct screening of ground water samples for fuel oxygenates by headspace liquid phase microextraction-gas chromatography", *Environmental Monitoring and Assessment*, January **2008**, 147 (1-3), 211-222.
12. M. Kaykhahi and M. Rahmani, "Monitoring of thermo-oxidative degradation products of high density polyethylene by solid phase microextraction – gas chromatography/tandem mass spectrometry", *Iranian Chemical Engineering Journal*, March **2008**, 6 (32), 58-66.



13. M. Kaykhahi and M. Moradi, "Direct screening of water samples for benzene hydrocarbon compounds by headspace liquid phase microextraction- gas chromatography", *Journal of Chromatographic Science*, May/June **2008**, 46 (5), 413-418.
14. M. Kaykhahi and F. Saffari, "Application of polypyrrole coated stainless-steel wire to the determination of aliphatic amines using headspace solid-phase microextraction", *Journal of Sciences-Islamic Republic of Iran*, June **2008**, 19 (2), 111-117.
15. M. Kaykhahi and A. Khatibi, "What is two dimensional gas chromatography?", *Iranian Journal of Chemistry*, November **2008**, 19 (1-2), 34-37.
16. M. Kaykhahi, "Application of microextraction techniques in quantitative chemical analysis of energetic materials", *Iranian Journal of Energetic Materials*, May **2009**, 4 (2), 53-66.
17. M. Khajeh, M. Kaykhahi, H. Hashemi and M. Mirmoghaddam, "Imprinted polymer particles for iron uptake: synthesis, characterization and analytical applications", *Polymer Science Series A*, October **2009**, 51 (9-10), 344-351.
18. M. Khajeh, M. Kaykhahi, M. Mirmoghaddam and H. Hashemi, "Separation of Zinc from aqueous samples using a molecular imprinting technique", *International Journal of Environmental Analytical Chemistry*, November **2009**, 89 (13), 981-992.
19. M. Kaykhahi, G. W. Dickinoski, R. Smedley, J. Pawliszyn and P. R. Haddad, "Preparation and evaluation of solid-phase microextraction fibres based on functionalized latex nanoparticle coatings for trace analysis of inorganic anions", *Journal of Chromatography A*, May **2010**, 1217 (20), 3452-3456.
20. M. Kaykhahi, G. W. Dickinoski and P.R. Haddad, "Solid-phase microextraction for the determination of inorganic ions: applications and possibilities", *Analytical Letters*, July **2010**, 43 (10), 1546-1555.
21. M. Khajeh, A. Ghanbari, N. Panjehkeh, M. Kaykhahi, M. Mirmoghaddam and H. Hashemi, "The Essential Oils Composition of *Salvia mirzayanii*", *The Journal of Essential Oil Bearing Plants*, July-August **2010**, 13 (4), 432-439.
22. M. Kaykhahi and A. Khatibi, "Determination of butyltin stabilizers in PVC using liquid-phase microextraction with electrothermal atomic absorption spectrometry", *Journal of the Iranian Chemical Society*, June **2011**, 8 (2) 374-381.
23. M. R. Rezaei-Kahkha, M. Kaykhahi, H. Rezaee and J. Sanchooli, "Assessment of heavy metal concentrations in soil and plants irrigated with urban sewage", *Zabol University of Medical Sciences Research Journal (Rostamineh)*, June **2011**, 3 (2), 19-26.
24. M. Rahmani and M. Kaykhahi, "Determination of methylcyclopentadienyl-manganese tricarbonyl in gasoline and water via ionic-liquid headspace single drop microextraction and electrothermal atomic absorption spectrometry", *Microchimica Acta*, August **2011**, 174 (3-4), 413-419.
25. Z. Khayyat-Sarkar and M. Kaykhahi, "Dilatometry and its applications", *Iranian Journal of Chemistry*, June **2012**, 22 (1-3), 34-39.
26. M. Moradi, M. Kaykhahi, A. R. Ghiasvand, S. Shadabi and A. Salehinia, "Comparison of headspace solid-phase microextraction, headspace single-drop microextraction and hydrodistillation for chemical screening of volatiles in *Myrtus communis* L.", *Phytochemical Analysis*, July/August **2012**, 23 (4), 379-386.
27. M. Kaykhahi and A. Abdi, "Rapid and sensitive determination of acrylamide in potato crisps using reversed-phase direct immersion single drop microextraction - gas chromatography", *Analytical Methods*, February **2013**, 5 (5), 1289-1293.

28. H. Hashemi, M. Khajeh and M. Kaykhahi, "Molecularly imprinted stir bar sorptive extraction coupled with atomic absorption spectrometry for trace analysis of copper in drinking water samples", *Analytical Methods*, May **2013**, 5 (11), 2778–2783.
29. M. Kaykhahi and S. Mirmohammadi-Sadrabadi, "Application of headspace liquid phase microextraction - gas chromatography for the analysis of trace amounts of isoamyl acetate", *Iranian Journal of Chemistry and Chemical Engineering*, June **2013**, 30 (2), 81-89.
30. M. Khajeh, M. Kaykhahi and A. Sharafi, "Application of PSO-artificial neural network and response surface methodology for removal of methylene blue using silver nanoparticles from water samples", *Journal of Industrial and Engineering Chemistry*, September **2013**, 19 (5), 1624-1630.
31. M. Kaykhahi and M. Hosseini Ghalehno, "Rapid and sensitive determination of fluoride in toothpaste using headspace single drop microextraction - gas chromatography", *Analytical Methods*, October **2013**, 5 (20), 5622-5626.
32. M. Kaykhahi and E. Ghasemi, "Room temperature ionic liquid-based dispersive liquid-liquid micro extraction of uranium in water samples before spectrophotometric determination", *Analytical Methods*, October **2013**, 5 (19), 5260–5266.
33. M. Khajeh, M. Kaykhahi, H. Hashemi and M. Shakeri "Particle swarm optimization - artificial neural network modeling and optimization of leachable zinc from flour samples by miniaturized homogenous liquid-liquid microextraction", *Journal of Food Composition and Analysis*, February **2014**, 33 (1), 32-38.
34. M. Kaykhahi, M. Takhsha and G. Sargazi, "Lab on a Chip", *Journal of the Popularization of Science*, February **2014**, 4 (5), 51-57.
35. M. Kaykhahi and M. Sargazi, "Comparison of two novel in-syringe dispersive liquid-liquid microextraction techniques for the determination of iodide in water samples using spectrophotometry", *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, March **2014**, 121 (6), 173-179.
36. M. R. Rezaei-Kahkha, S. Amanloo and M. Kaykhahi, "Anti aflatoxigenic activity of *carum copticum* essential oil", *Environmental Chemistry Letters*, March **2014**, 12 (1), 231-234.
37. M. Rahmani and M. Kaykhahi, "Determination of BTEX compounds in fruit juices by gas chromatography after their extraction and preconcentration by narrow-bore tube dispersive liquid-liquid microextraction", *Journal of Applied Researches in Chemistry*, March **2014**, 7 (4), 25-32.
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### **Awards**

- Winner of the "*best researcher of the University of Sistan and Baluchestan*" award, **2017**.
- As one of the "*top 1 percent of top reviewers in multidisciplinary*" by Publons, **2017**.
- Winner of the "*best researcher of Water & Wastewater Company*" award, **2009**.

### **Thesis Supervised**

Thesis **supervised**/co- supervised: **105**