In the name of God

CURRICULUM VITAE

Bahram Hemmateenejad, PhD

Professor

Shiraz University

Shiraz, Iran

Date of birth: Dec. 27, 1972

Nationality: Iranian

Marital Status: Married with 3 children

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1. Education

- B.S in Chemistry, Shiraz University, Shiraz, Iran.
- M.S in Analytical Chemistry (*Chemometrics*) Isfahan University of Technology, Isfahan, Iran.
- Ph.D in Analytical Chemistry (*Chemometrics*), Shiraz University, Shiraz, Iran (Under supervision of Prof. M. Shamsipur)

2. Language Skills: Persian, English, Germany

3. Positions

3.1. Academic research and professional Positions:

2002-2004 Assistant Professor, Medicinal & Natural Products Chemistry Research Center, Shiraz University of Medical Sciences, Shiraz, Iran

2004-2007 Assistant Professor, Chemistry Department, Shiraz University, Shiraz, Iran.

2007-2012 Associate Professor, Chemistry Department, Shiraz University, Shiraz, Iran

2011-2011 Visiting Professor, Max Planck Institute of Colloids and Interfaces, Potsdam, Germany (Feb. 2011-Des. 2011).

2012-… Professor, Chemistry Department, Shiraz University, Shiraz, Iran (2012-…).

2013-2013 Visiting Professor, Max Planck Institute of Colloids and Interfaces, Potsdam, Germany (July 2013-Sept. 2013).

2015-2015 Visiting Professor, Max Planck Institute of Colloids and Interfaces, Potsdam, Germany (March 2015-April 2015).

2016-2016 Visiting Professor, Technical University of Braunschweig, Braunschweig, Germany (July 2016-August 2016)

2016-2016 Visiting Professor, Max Planck Institute of Colloids and Interfaces, Potsdam, Germany (Sep 2016)

2019-2020 Visiting Professor, Technical University of Braunschweig, Braunschweig, Germany (August 2019-Feb. 2020)

3.2. Executive and Administrative Positions

2007-2013 Deputy, National elite foundation, Shiraz office

2014-2016 Director, Chemistry Department, Shiraz University, Shiraz, Iran

2017-2018 Dean vice for research, College of Sciences

2018-2019 Director of research affair, Shiraz University

2024-2025 Director of research affair, Shiraz University

2025-… Vice chancellor of research and technology

4. Membership:

4.1. Societies, foundations and NGOs

- Iranian Chemical Society, member of the board of director
- Science Council member, National elite foundation, Fars Province
- Iranian academics and specialist association in Germany (IRASA), Founder and member of the board of director
- Member, International Association of Environmental Analytical Chemistry (Swiss)

- Research Ambassador, DAAD office in Tehran
- Science Council, Medicinal and Natural Products Research Center, Shiraz University of Medical Sciences
- Consultant, Charity center for badly supervisor children
- Young affiliate, Third World Academy of Science (TWAS), Italy
- Member, National Elite Foundation of Iran
- Full Member, Iranian Chemical Society, Iran
- Alumni, Alexander von Humboldt Foundation, Germany

4.2. Editorial

- Associate Editor, Journal of the Iranian Chemical Society
- Associate Editor, Iranian Journal of Science and Technology (transaction A)
- Editorial Advisory Board, Chemical Biology & Drug Design
- Editorial Board Member, Pharmacology and Pharmacy
- Editorial Advisory Board, Walailak Journal of Science and Technology
- Editorial Advisory Board, Nirva University Journal of Science and Technology
- Guest Editor, International Journal of Analytical Chemistry

4.3. Conferences

- Executive and Scientific Committee Member, the first Medicinal Chemistry and Natural Products Conference of Iran , Shiraz University of Medical Sciences, Shiraz, Iran (2006)
- Plenary lecture, "Chemometrics and Biochemical Systems", First Iranian Chemometrics Seminar, Arak University, Arak, Iran, 2007.
- Scientific Committee Member, the First Iranian Chemometrics Seminar, Arak University, Arak, Iran (2007)
- Executive and Scientific Committee Member, the 15th Iranian Seminar of Analytical Chemistry, Shiraz University, Shiraz, Iran (2009)
- Scientific Committee Member, Second Iranian Chemometrics Seminar, Urmia University, Urmia, Iran (2009)
- Scientific Committee Member, Third Iranian Chemometrics Seminar, Tabriz University, Tabriz, Iran (2011)
- Invited speaker, CC2011, Sumeg, Hungary, Sep. 2011.

- International Scientific Committee, XIII chemometrics in Analytical Chemistry (CAC2012)
- Invited speaker, TWAS general meeting, Trieste, Italy, November 2011.
- Plenary lecture, Development of QSAR models insensitive type of data splitting into training/test, International Mathematical Chemistry Conference, Yazd, Iran (Feb. 2012).
- Seminar Chair, 4th Iranian biennial chemometrics seminar (IBCS4), Shiraz University, Shiraz, Iran (2013)
- Plenary speaker, Chemometrics and Society, 19th Iranian Seminar of Analytical Chemistry, Mashad, Iran (2013)
- Plenary speaker, What is in chemometrics for chemists, 18th Iranian chemistry congress, Semnan, Iran (Sep. 2015)
- Plenary speaker, Past, present and future of Chemometrics in Iran, 22th Iranian Seminar of Analytical Chemistry, Tehran, Iran (Jan 2016).
- Executive and scientific committee member, 19th Iranian chemistry congress, Shiraz, Iran (Feb. 2017),
- Invited speaker, CC2017, Gyon Gyos, Hungary, Sep. 2017.
- Organizer, Cheminformatics Workshop, Shiraz, Iran (April 2019)
- Executive and scientific committee member 3rd Iranian protein and peptide conference, Shiraz, Iran (April 2018)
- Invited speaker, CC2019, Karcag, Hungary, Sep. 2019.
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5. Awards and Honors:

2023 Distinguished researcher, Shiraz University

2020 Highly cited researcher, Shiraz University

2019 Distinguished Researcher, Shiraz University

2018 Outstanding researcher, Fars province

2017 Distinguished Researcher, Shiraz University

2016 Research Ambassador, DAAD office in Tehran

2015 Leading Analytical Chemist of Iran, Iranian Chemical Society

2014 Best teaching Professor, Shiraz University

2014 Scientist ranking in Chemistry awarded by institute of scientific information (ISI)

2012 Chemolab 2012 award (chemometrics and intelligent laboratory systems Elsevier award). Presented in the opening ceremony of CAC2012 conference (Budapest)

2012 Moosavi-Movahedi Award, Iran Biophysic and Biochemistry Society

2012 Distinguished researcher, Shiraz University

2012 Distinguished researcher, Fars Province

2011 Humboldt fellowship: Georg Forster Research Fellowship for experienced researchers

2010 The First prize winner of the 15th Razi festival Medal in pharmaceutical Sciences, Iran

2009 The outstanding researcher of the year of Iran in basic sciences (10th festival of research and innovation, Tehran).

2009 The selected researcher in the Innovation and prosperity Festival of Iran (Fars Province)

2009 Distinguished researcher of Shiraz University

2009 Distinguished researcher of Fars province

2008 Co-authors of the second rank of Razi Festival in pharmaceutical sciences, Iran

2008 Co-authors of the distinguished young researcher of Razi Festival in pharmaceutical sciences, Iran

2008 Distinguished researcher of the Research Centers of Shiraz University of Medical Sciences

2008 Receiver of the especial grants from the National Elites Foundation of Iran

2005 Co-author of the third rank of Razi Festival in pharmaceutical sciences, Iran

2004 Distinguished researcher of the Research Centers of Shiraz University of Medical Sciences

2003 Distinguished researcher of the Medicinal & Natural Products Chemistry Research Center, Shiraz University of Medical Sciences

2003 Distinguished young Researcher in Pharmaceutical Sciences (9th Razi Festival of Medical Science of Iran)

2002 First rank Ph.D. graduate (Shiraz University)

1998 First rank M.Sc. Shiraz University (Isfahan University of Technology)

1996 Second rank BS graduate (Shiraz University)

6. Teaching experience:

1. Analytical Chemistry I & II
2. Instrumental Analysis
3. General Chemistry
4. Chemometrics (MS course)
5. QSPR/QSAR in Chemistry and drug design (Students of Pharmaceutical Sciences, Pharm.D. and PhD)
6. Computer in Chemistry (PhD course)
7. Advanced Analytical Chemistry (MS course)
8. Advanced Medicinal Chemistry-QSAR section (PhD course).
9. Bioanalytical Chemistry (PhD course)
10. Statistical evaluation of results (PhD course)
11. Bioanalytical Chemistry (PhD course)
12. Chemistry in non-aqueous solvents (PhD course)

7. Lectures:

1. Multivariate curve resolution analysis, Second Iranian Chemometrics workshop, Institute of Advance Studies in Basic Sciences, Zanjan, Iran, 2002.
2. Net analyte signal calculation, Third Iranian Chemometrics workshop, Institute of Advance Studies in Basic Sciences, Zanjan, Iran, 2003.
3. The problem of factor selection, Fourth Iranian Chemometrics workshop, Institute of Advance Studies in Basic Sciences, Zanjan, Iran, 2004.
4. Model development and validation in Chemometrics, Fifth Iranian Chemometrics workshop, Institute of Advance Studies in Basic Sciences, Zanjan, Iran, 2006.

5. Senior lecturer of the "QSAR and Drug Design" Workshop. Medicinal and Natural Products Chemistry Research Center, Shiraz University of Medical Sciences, Shiraz, Iran, 2004.
6. 10-days lecture in "Model development in QSAR". Tehran University of Medical Sciences, Tehran, Iran, 2005.
7. Initial estimates of MCR-ALS, Seventh Iranian Chemometrics workshop, Institute of Advance Studies in Basic Sciences, Zanjan, Iran, 2008.
8. Chairman and Lecturer, The first workshop on QSAR and Molecular Modeling, Shiraz University of Medical Sciences, Shiraz, Iran, 2008.
9. QSAR study of peptides, Max Plank Institute of Colloids and Interfaces, May 2011.
10. Multivariate image analysis-thin layer chromatography, Conferentia Chemometria, Sumeg, Hungary, 2011.
11. Chemometrics analysis of proteomics data for cancer detection, TWAS general meeting, Trieste, Italy (2011)
12. Rostock Shiraz Collaborations on application of curve resolution analysis to study solvent-solute interactions and on analysis of electrochemical data, Rostock Germany (March 2015)
13. The role of Protein conformational changes in drug resistance in HIV-1 protease, Potsdam, Germany (March 2015)
14. The past, present and future of chemometrics in Iran, Tehran (January 2016)
15. On the dependencies between principal components, Rostock University, Rostock, Germany (August 2016).
16. Paper-based Analytical devices, Braunschweig Technical University, Braunschweig, Germany (Feb 2018)
17. Screening for linearly and nonlinearly correlating variable in cheminformatics modeling, Rostock University, Rostock, Germany (Feb 2018).

8. Technical Experience:

UV/Vis. Spectrophotometry, IR spectroscopy, HPLC, GC, AA, Spectroflourimetry, Electrochemistry, TLC-multivariate image analysis, Microfluidic devices, sensor array

9. Software Skills

MATLAB, SPSS, HyperChem, Statistica, DATAN, AutoDock, Gaussian98, Dragon

10. Paper Reviews for:

(1) Journal of the American Chemical Society
(2) Nature Protocol
(3) ACS applied materials and Interfaces
(4) Analytical Chemistry
(5) Biosensors and Bioelectronics
(6) ACS Omega
(7) ACS Sensors
(8) Chemical Engineering Journal
(9) Journal of Flourescence
(10) Journal of Medicinal Chemistry
(11) Journal of Chemometrics
(12) Journal of Chemical Information and Modeling
(13) Chemometrics and Intelligent Laboratory Systems
(14) Journal of Computational Chemistry
(15) Analytica Chimica Acta
(16) Talanta
(17) Sensors and Actuators B
(18) Analytical Biochemistry
(19) Food Chemistry
(20) Electrochimica Acta
(21) Spectrochimica Acta A
(22) Bioorganic and Medicinal Chemistry
(23) European Journal of Medicinal Chemistry
(24) European Journal of Pharmaceutical Sciences
(25) QSAR & Combinatorial Sciences
(26) Journal of Molecular Graphics and Modeling
(27) Mathematical Biosciences

(28) Journal of the Iranian Chemical Society
(29) Acta Pharmacologica Cinica
(30) Chemical Research in Toxicology
(31) Applied Polymer Research
(32) Chemical Biology & Drug Design
(33) Indian Journal of Biochemistry & Biophysics
(34) Journal of Hazardous Material
(35) Molecular Diversity
(36) Journal of AOAC International
(37) Analytical Letters
(38) Journal of supercritical fluids
(39) Daru: Journal of Faculty of Pharmacy.
(40) International Journal of Molecular Sciences
(41) Journal of Enzyme Inhibition and Medicinal Chemistry
(42) Water Science and Technology
(43) Acta Chimica Slovenica
(44) Journal of Physical Organic Chemistry
(45) International Journal of Environmental Analytical Chemistry
(46) IEEE/ACM Transactions on Computational Biology and Bioinformatics
(47) African Journal of Pure and Applied Chemistry
(48) Internet Electronic Journal of Molecular Design
(49) Chemical Product and Process Modeling
(50) African Journal of Plant Science
(51) Luminescence: The Journal of Biological and Chemical Luminescence
(52) Journal of Colloid and Interface Science
(53) Luminescence
(54) ACS Medicinal Chemistry Letters
(55) Analytical Methods
(56) Nephron
(57) SAR and QSAR in Environmental Research
(58) International Journal of Analytical Chemistry
(59) Bulletin of the Chemical Society of Ethiopia
(60) Bioprocess and Biosystems Engineering

(61) Journal of Agricultural and Food Chemistry
(62) Journal of Chemical & Engineering Data
(63) Industrial & Engineering Chemistry Research
(64) Chemosphere
(65) Iranian Journal of Science and Technology
(66) Iranian Journal of Biotechnology
(67) Medicinal Chemistry Communications
(68) Molecular Informatics
(69) Microchemical Journal
(70) Chemical Research in Toxicology
(71) Food Control

11. Thesis and Dissertations

11.1. PharmD degree

1. M. Gorgin, Pharm. D., 2003, Simultaneous spectrophotometric determination of carbamazepine and phenytoin in plasma by PLS regression and comparison with HPLC, Shiraz University of Medical Sciences.
2. F. Namvaran, Pharm. D., 2005, Computer-aided design of some potential anti-HIV agents by contraction and expansion of beta ring in TIBO derivatives, Shiraz University of Medical Sciences.
3. A. Haghjoo, Pharm. D., 2005, Simultaneous spectrophotometric determination of methotheroxate and lucoverin in plasma using chemometrics methods, Shiraz University of Medical Sciences.
4. A. Saffari, Pharm. D. 2006, Simultaneous spectrophotometric determination of carbamazepine and its major metabolite 1,8-epoxy carbamazepine in plasma by chemometrics methods, Shiraz University of Medical Sciences
5. N. Ahmadi, Pharm. D. 2007, Photodegradation monitoring of methotheroxarte, folinic acid and 5-Fu using Chemometrics techniques, Shiraz University of Medical Sciences.
6. A. Nematollahi, Pharm. D. 2008, QSAR models for natural antiviral compounds. Shiraz University of Medical Sciences.

7. H. Saeedi, Pharm. D. 2008, Photodegradation monitoring of some 1,4-dihydropyridine-based calcium channel blockers using multivariate curve resolution method and UV/Vis spectrophotometry, Shiraz University of Medical Sciences.
8. S. Zaeri, Pharm. D., 2009, A simple analytical method for determination of Glutathione in plasma using multi-way analysis of excitation-emission fluorescence data. Shiraz University of Medical Sciences
9. S. Bahrpeyma, Pharm D., 2013, Photo-degradation study of dacarbazine by spectrophotometrics-chemometrics and HPLC methods. Shiraz University of Medical Sciences

11.2. Master of Science Thesis

1. S. Maghami, 2006, Simultaneous spectrophotometric determination of harmine, harmole, harmalol and harmaline in plant extracts using PLS regression, Shiraz University.
2. F. Samari, 2006, Simultaneous spectrophotometric determination of diphenyl amine and its major environmental degradation products using different chemometrics techniques, Shiraz University.
3. S. Yousefnejad, 2007, Multivariate standard addition method solved by net analyte signal calculations, Shiraz University.
4. S. Dorostkar, 2009, Aggregation and polarity of ionic liquids in methanol-water binary solvents.
5. M. Yazdani, 2009, QSPR studies of the effects of molecular structure and solvent on the spectroscopic and electrochemistry of organic compounds.
6. L. Emami, 2009, Chemometrics analysis of Substituent effect on the acidity constant of newly synthesized Shife bases.
7. M. Hassanpour, 2009, A comparative study on the adsorption behavior of indicators on carbon nanotubes and charcoal.
8. M. Parish, 2009, Application of pattern recognition and classification methods in identification of the meats of different sources.
9. F. Shakeri, 2009, Application of multivariate image analysis-thin layer chromatography in natural product analysis.
10. N. Mobaraki, 2009, Chemometrics analysis of TLC images for resolving overlapped spots.
11. F. Esfandiari, 2010, Spectrophotometric determination of macroscopic and microscopic acid dissociation constants by combined hard-soft net analyte signal (HS-NAS) modeling method
12. Z. Mohammadpour, 2010, Monitorig of the progress of organic reactions by multivariate image analysis-thin layer chromatography (MIA-TLC)

13. N. Zandi, 2010, Green Synthesis of Ag nanoparticles by medicinal plants of Iran
14. S. Alizadeh, 2010, An Ionic Liquid Based Dispersive Liquid–Liquid Microextraction Combined with Graphite Furnace Atomic Absorption Spectrometry for Determination of Copperand Synthesis and Characterization of Silver Nanoparticles Using Experimental Design Method.
15. P. Shadabipour, 2012, Process modeling of organic reactions and nanoparticle based degradation of dyes.
16. P. Ilani-Kashkouli, 2012, chemometrics studies on sound-solvents and solute-fiber interactions.
17. H. Beygizadeh, 2013, ZnO nanoparticles and multiwalled carbon nanotubes modified carbon paste electrode for determination of naproxen and A chemometrics study on cross-selectivity of Schiff bases toward different cations.
18. F. Farzam, 2013, Simultaneous Measurement of Amino Acids and Classification of Blue Ball point Pens by Multivariate Image Analysis-Thin Layer Chromatography (MIA-TLC).
19. N. Razavi, 2013, Study of the interaction between drugs and serum albumin using chemometrics approaches.
20. Z. Farasat, 2014, Synthesis and characterization of some new cyclometalated organoplatinum complexes containing benzyl diphenyl phosphine ligand, and chemometrics studies on phosphine and phosphite ligands
21. A. Shahrivar, 2014, Development of bioanalytical methods for assay of protein by cyanine dye and antioxidant assay by gold nanoclusters
22. N. Heydari, 2016, D-Penicillamine AuCu Bimetallic Nanoclusters as Fluorescent Probe for Selective and Sensitive Determination of Ferric Ion and Total Sulfide.
23. M. A. Rezaei, 2016, Multivariate Optimization of Extraction of Glycyrrhizic Acid from Iranian Licorice Root Using Central Composite Design and Quantitative Analysis of Glycyrrhizic Acid in Licorice Products based on MIA-TLC.
24. M. Rasti, 2016, Selective Determination of Total Sulfide in Water Samples by Silver Nanoparticles as A Spectrophotometric Probe and Evaluation of Lemon Juice Quality Based on Their Corresponding Synthesized Silver Nanoparticles Sensor Arrays Using Image Analysis.
25. S. Heydari, 2016, Using of excitation-emission matrix fluorescence spectra combined with three-way chemometrics analysis to follow secondary structure of bovine serum albumin and to investigate the interaction of hemoglobin with pyrene and anthracene.
26. M. Bahadori, 2017, Quantum-Topological Molecular Similarity Based Amino Acid Indices for Discrimination Analysis of HIV-1 Protease Substrates and Quantitative Sequence Activity Modeling of Anti-hypertensive Peptides Derived from Milk Proteins.

27. S. Pesaran, 2018, An all-in-one solid-contact thin-layer potentiometric sensor based on 3D origami paper-based microfluidics
28. O. Heidari, 2018, A paper-based microfluidic device for iodometric titrations
29. F. Kazemi, 2018, Complexometric titrations of Ni^{2+} and Zn^{2+} ions using a paper-based microfluidic device.
30. N. Chavooshi, 2018, Chemometrics investigation of Iranian Surma and their use as a source of carbon dots for determination of dopamine.
31. N. Esmaeili, 2019, Development of colorimetric sensor array based on metal ion complexes for adulteration detection of lemon juice.
32. M. Dorri-Giv, 2019, Colorimetric sensor arrays as Simple and Low-Cost Method for Detection of Different Adulterations in Saffron.
33. F. Ardekani, 2020, A three-dimensional origami microfluidic paper-based analytical devise (μPADs) for colorimetric detection of blood typing.
34. F. Modaresxadeh 2021, Readout free paper-based microfluidic analytical devices for rapid quantitation of nitrate and nitrite ions.

11.3. PhD Thesis

1. M. Nekoeinia, PhD. 2010, Multivariate curve resolution analysis of the rank deficient kinetic systems. Shiraz University
2. Fayezeh Samari, PhD., 2012, Studying the Interaction between Biomacromolecules and Small Molecules Including Drugs, Dyes and Nanostructures.
3. S. Yousefnejad, PhD. 2012, Application of Chemometrics and Chemoinformatics to Study the Interaction of Nanomatrials with Chemical and Biological Processes and to Develop New Structure-Function Relationships for Peptides and Drugs.
4. T. Khososi, PhD. 2012, Synthesis of quantum dots nanoparticles and their biochemical and analytical applications
5. F. Honarasa, PhD. 2013, Application of Chemometrics Methods in Resolving Some Old Electrochemical Challenges, Study of C-dots/Hemoglobin Interaction and Determination of Nanoparticles Size and Concentration.
6. S. Karimi, PhD. 2013, Clustering of variables as a new method in regression and classification: Application to cancer detection and Behcet disease and classification of date and edible oils.

7. S. Dorostkar, PhD. 2013, Development of Gold-Nanoparticle-Based Sensors for Determination of Chemically and Biologically Important Substances and Increase of Oil Recovery by Using Ionic Liquids as Suitable and Green Replacement of Surfactants and Classification of Iranian Crude Oil and Lubricants based on IR Spectroscopy and Chemometrics Data Analysis.
8. F. Shakerizadeh, PhD. (2014) Development of colorimetric sensor and nano sensor arrays for assay of chemical and biological compounds and enzyme activity.
9. N. Jalili-Jahani, PhD. 2015, Photodegradation study of diphenylamine and ampicilline as organic pollutants in presence of photonanocatalysts via spectroscopic and chromatographic techniques assisted by chemometrics methods.
10. Z. Shojaeifard, PhD. 2016, Spectroscopic studies on the effects of organic dyes and glutathione-Au nanoclusters on methanol-water association and interaction of glutathione-Au nanoclusters with bovine serum albumin & Design of nanosensors based on metallic nanoclusters for cyanide and sulfide ions.
11. R. Ahmadi, PhD, 2017, Chemometrics investigation of Deep Eutectic Solvents
12. A. Bordbar, PhD, 2018, Construction of new colorimetric sensor arrays for protein indentification.
13. E. Talebanpour-Bayat, PhD. 2018, Application of Quantitative Chromatography-Activity Relationship (QCAR) as a Useful and New Method for Analysis of Herbal Medicine.
14. N. Mobaraki, PhD. 2019, Development of new mobile-based sensor for biomedical and bioanalytical applications.
15. A. Naghashian, PhD. 2019, Development of colorimetric sensor arrays for amino acids and enantiomer excess.
16. S. Ahmadpour, PhD. 2018, Application of chemometrics methods to investigate the effects of the electrode structure and supporting electrolyte on the contribution of different currents in potential step- chronoamperometry and Separation and determination of different currents contributions in hydrodynamic voltammetry.
17. M. Taghizadeh-Behbahani, PhD. 2019, Microfluidic Paper-Based Analytical Devices: Applications in Food and Biological Analysis.
18. E. Rafatmah, PhD. 2019, Development of Paper-based Electroanalytical Devices: Three-dimensional Concentration Cells, Closed Bipolar Electrochemistry and Electrodeposited Gold Nanodendrites Electrodes.

19. **S.** Mostafapour, PhD. 2021, Qualitative and Quantitative Analysis of Food Products by Colorimetric Sensor Arrays and Application of Net Analyte Signal in Preprocessing of Metabolomics and Colorimetric Sensor Arrays Data and Kinetic Study
20. F.M. Gharaghani, PhD. 2021, Design and Fabrication of microfluidic paper and thread-based chromatographic and sensing devices and their applications in analysis of food and medicine samples And Development of a colorimetric sensor array based on organic dyes and MoS2 quantum dots for analysis of cigarette's VOCs
21. Z. Mahmoudi, PhD. 2022, Development of Three-Dimensional and Origami Paper-based Microfluidic Electrochemical Devices and Their Application for Electronalytical Determinations and Voltammetric Determination of Lactic acid in Milk Samples using Carbon paste Electrode Modified with Chitosan-based Magnetic Molecularly Imprinted Polymer.
22. H. Sharifi, PhD., 2022, Development of paper-based colorimetric and fluorometric sensor arrays using indicators, nanoclusters and nanozymes for determination/discrimination of selected ions and detection of gastric cancer.
23. M. Chaharlangi, PhD. 2022, Analysis and discrimination of various complex food matrices by coupling colorimetric sensor arrays and chemometrics methods.

12. Publication & Presentation

12.1. Citation overview (updated on April. 18, 2024)

Citation center	*Total Number of Publications*	*Total Number of citations*	*H-Index*
ISI	286	7550	46
Scopus	287	8270	48
Google Scholar	287	10880	54

For list of publications please refer to the following websites

https://orcid.org/0000-0003-1830-6043

https://scholar.google.com/citations?user=medJf-UAAAAJ&hl=en&oi=ao

https://www.researchgate.net/profile/Bahram_Hemmateenejad