

CURRICULUM VITAE



Saeed Yousefinejad, PhD

Associated Professor

Laboratory of Analytical and Chemical Assessment (LACA); Department of Occupational Health, School of Health, Shiraz University of Medical Sciences, Shiraz, Iran

Date of Birth: June, 21, 1982

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Academic Position

Associated Professor	Shiraz University of Medical Sciences	(Since 2021)
Professor Assistant	Shiraz University of Medical Sciences	(2016-2021)

Education and Research Experience

<u>Degree/ field</u>	<u>Time and Place</u>	<u>Project / Thesis Title</u>
Postdoctoral fellowship <i>Bioanalytical chemistry</i>	Dec 2014- Jan 2016 Department of Chemistry, Shiraz University, Shiraz, Iran	Spectroelectrochemistry to Study the Impacts of the Environmental Pollutants and Pathogens on the Human Respiratory proteins
Postdoctoral fellowship <i>Protein Chemistry</i>	Nov 2012-Oct 2014 Institute of Biochemistry and Biophysics (IBB), University of Tehran, Tehran, Iran	Protein Chemometrics: Application in the protein unfolding, ligand-protein interactions and prediction of peptides' activities
PhD <i>Analytical Chemistry</i>	Sep 2007-May 2012 Department of Chemistry, Shiraz University, Shiraz	Application of Chemometrics and Chemoinformatics Methods to Study the Impact of Metal Nanoparticle on Chemical and Biological Processes and to Develop New Structure-Function Relationships of Proteins and Drugs
M.Sc. <i>Analytical Chemistry</i>	2005-2007 Department of Chemistry, Shiraz University, Shiraz	Multivariate Standard Addition Methods Solved by Net Analyte Signal Calculation and Rank Annihilation Factor Analysis

Description

Currently, S. Yousefinejad is the Head of "Central Lab for Instrumental and Industrial Analysis" in School of Health, Shiraz University of Medical Sciences. This Lab includes two main parts: 1- Chromatography Lab (GC-MS, GC-FID, GC-ECD, GC-TCD, HPLC, Ion Chromatography and different sample preparation tools such as SPME, SPE, LLE) and 2- Spectroscopy Lab (F-AA, GF-AA, Fluorescence Spec., UV-Vis Spec.,). The main Objective in this Lab is focused on the analysis of Occupational and environmental samples and Biological Monitoring as well.

Professional Membership

- Member of Center of Top Talent Students (Shiraz University) (2011-now)
- National Elites Foundation (Islamic Republic of Iran) 2011-now
- Member of Iranian Chemical Society 2007-now
- Member of Iran Society of Biophysical Chemistry 2013-now
- Member of Iran Peptide Society 2013-now

Awards and Grants

- Distinguished Young Researcher of University, Shiraz University of Medical Sciences, Shiraz, Iran (2019)
- Distinguished Researcher of University, Shiraz University of Medical Sciences, Shiraz, Iran (2017)
- Research grant awarded for publications in Top-SNIP journals from Shiraz University of Medical Sciences (2017, 2018, 2019)
- Distinguished Young Researcher (under 35 years old) in "Protein and Peptide Science", *Iran Society of Biophysical Chemistry* (2014)
- Postdoctoral Grant (From Iran National Science foundation), (2014)
- Postdoctoral scholarship (from National Elites Foundation, Iran) in the research group of Prof. Moosavi-Movahedi, University of Tehran, Tehran, Iran (2012)
- Research Grant for Distinguished Young Assistant Professors in Medical Universities, Iran (2018)

Research Skills

- Chromatography (HPLC, GC and Ion Chromatography)
- Gas Chromatography –Mass Spectrometry
- Microextraction
- Circular Dichroism (CD)
- Molecular Fluorescence Spectroscopy
- UV-Vis spectroscopy
- Differential Scanning Calorimetry (DSC)

- Chemometrics (Two way and Multi-way Calibration, Experimental Design, Classification) and Chemoinformatics,
- Structure-Function Relationship Modeling of Small Molecules
- Structure-Function Relationship Modeling of Peptides

Research Interests

- ❖ Analysis of Occupational Chemical Hazards
- ❖ Biological Monitoring
- ❖ Method Development in Extraction and Analysis of Volatile Compounds
- ❖ Bioanalytical Chemistry
- ❖ Environmental Chemistry and Analysis
- ❖ Environmental Chemical Biology
- ❖ Removal of environmental pollutants in air and water
- ❖ Protein Chemistry & Protein Chemometrics
- ❖ NanoChemistry and its Application in Chemical Analysis
- ❖ Interactions of Occupational/Environmental pollutants with Biomolecules
- ❖ Industrial Analysis (Food, Agriculture and Petroleum)
- ❖ Molecular modeling and Suture-Property Relationships

** Highly interested in group-working and interdisciplinary research projects

Computing Skills

- ❖ Windows systems, and various software applications (Word, Excel, PowerPoint)
- ❖ Some computational and statistical software (Hyperchem, Dragon, SPSS, Gaussian 98, DesignExpert, etc.)
- ❖ Familiar with MATLAB software and MATLAB programming
- ❖ Familiar with Chemometrics toolbox (PLS toolbox, Multi-way toolbox, Genetic Algorithm, MCR-ALS toolbox, Neural Network)

Workshops

- ✓ 5th Iranian Chemometrics Workshop (Rank Annihilation Factor Analysis), Institute of Advanced studies in basic Sciences, Zanjan, Iran, 14-16 March 2006.
- ✓ 6th Iranian Chemometrics Workshop (Model based analysis; **Prof. Marcel Maeder** from Australia), Institute of Advanced studies in basic Sciences, Zanjan, Iran, 6-8 February 2007
- ✓ 7th Iranian Chemometrics Workshop (Model free analysis; **Prof. Roma Tauler** from Spain), Institute of Advanced studies in basic Sciences, Zanjan, Iran, 26-28 August 2008.

- ✓ 1st workshop of QSAR and modelling, (**Roberto Todeschini** from Italy) Medicinal & Natural Products Chemistry Research Center, Shiraz University of Medical Science, 14 February 2009.
- ✓ 9th Iranian Chemometrics Workshop (Multi-way analysis; **Prof. Rasmus Bro & Prof. Frans Van Den Berg** from Denmark), Institute of Advanced studies in basic Sciences, Zanjan, Iran, 1-3 November 2010.
- ✓ Chemoinformatics Workshop 2018, **Prof. Knut Baumann** (from Germany), **Prof. Igor Tetko** (from Germany) , **Prof. Roberto Todeschini** (from Italy), Medicinal and Natural Products Chemistry Research Center, Shiraz University of Medical Sciences, Shiraz, Iran, 21-23 April 2018.

PUBLICATIONS [1,2,11,101–110,12,111–120,13,121–130,14–20,3,21–30,4,31–40,5,41–50,6,51–60,7,61–70,8,71–80,9,81–90,10,91–100]

- [1] F. Dehghani, **S. Yousefinejad**, N. Mobaraki, M. Nekoeinia, B. Hemmateenejad, Rapid determination of hippuric acid as an exposure biomarker of toluene using a colorimetric assay and comparison with high-performance liquid chromatography, *Sci. Rep.* 14 (2024). <https://doi.org/10.1038/s41598-024-59641-z>.
- [2] G. Nikaeen, **S. Yousefinejad**, E. Soleimani, S. Jafari, New biological monitoring method for 1-Naphthol and 2-Naphthol based on stir bar sportive dispersive micro extraction strategy using magnetic ionic liquid, *Microchem. J.* 197 (2024). <https://doi.org/10.1016/j.microc.2023.109793>.
- [3] A. Rezaei, M.E. Ghafari, Y. Sohrabi, F. Aliasghari, **S. Yousefinejad**, E. Soleimani, S. Jafari, Systemic inflammation indices as hematological biomarkers of inflammatory response in non-silicotic workers exposed to respirable silica dust, *Toxicol. Lett.* 395 (2024) 26–39. <https://doi.org/10.1016/j.toxlet.2024.03.005>.
- [4] M. Neghab, F. Kargar-Shouroki, **S. Yousefinejad**, H. Alipour, H. Mozdarani, R. Fardid, V.S. Anoosheh, M. Rostami, Evaluation of Oxidative Stress Induced by Occupational Inhalation Exposure to N₂O, an Anesthetic Gas, *J. Environ. Heal. Sustain. Dev.* 9 (2024) 2205–2213. <https://doi.org/10.18502/jehsd.v9i1.15117>.
- [5] Y. Sohrabi, F. Rahimian, **S. Yousefinejad**, F. Aliasghari, E. Soleimani, Microextraction techniques for occupational biological monitoring: Basic principles, current applications and future perspectives, *Biomed. Chromatogr.* (2024). <https://doi.org/10.1002/bmc.5883>.
- [6] Z. Damiri, S. Jafari, **S. Yousefinejad**, H. Kazemian, Enhanced adsorption of toluene on thermally activated ZIF-67: Characterization, performance, and modeling insights, *Heliyon.* 10 (2024). <https://doi.org/10.1016/j.heliyon.2024.e30745>.
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- [8] E. Ghoohestani, F. Samari, A. Homaei, S. Yosuefinejad, A facile strategy for preparation of Fe₃O₄ magnetic nanoparticles using *Cordia myxa* leaf extract and investigating its adsorption activity in dye removal, *Sci. Rep.* 14 (2024) 84. <https://doi.org/10.1038/s41598-023-50550-1>.

- [9] A. Damokhi, **S. Yousefinejad**, S. Jafari, E. Soleimani, F. Dehghani, Deep eutectic solvent-based dispersive liquid-liquid microextraction coupled with HPLC and central composite design for biological monitoring of hippuric acid and methyl hippuric acid in urine, *J. Mol. Liq.* 386 (2023) 122506. <https://doi.org/10.1016/j.molliq.2023.122506>.
- [10] M.S. Ataabadi, S. Bahmanpour, **S. Yousefinejad**, S. Alaei, Blood volatile organic compounds as potential biomarkers for polycystic ovarian syndrome (PCOS): An animal study in the PCOS rat model, *J. Steroid Biochem. Mol. Biol.* 226 (2023). <https://doi.org/10.1016/j.jsbmb.2022.106215>.
- [11] E. Taheri, **S. Yousefinejad**, F. Dehghani, S. Jafari, Inhalation health risk assessment of occupational exposure to cypermethrin in farmers, *Int. J. Environ. Anal. Chem.* 103 (2023) 2981–2991. <https://doi.org/10.1080/03067319.2021.1900834>.
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- to cypermethrin among farmers and farm workers of Shiraz, Iran, *Environ. Monit. Assess.* 193 (2021) 187. <https://doi.org/10.1007/s10661-021-08964-9>.
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- 11) Rahimi M., Salami M., Ghaffari S.M, Zare H., Yousefinejad S. and Moosavi-Movahedi A.A., Time Optimization and Antioxidant Activity of Protein Hydrolysates Prepared from Camel Milk Caseins, *1st Tabriz International Life Science Conference & 12th Iran Biophysical Chemistry Conference, Tabriz University of Medical Science, Tabriz, Iran, 22-24 May 2013.*

- 12) Yousefinejad S., Honarasa F., Abbasitabar F., Model Development Based on Linear Solvation Energy Relationship for the Prediction and Description of the Solubility of C60 in Solvent Phases: A QSPR View on a Nano Scale System, *4th Iranian Biennial Chemometrics Seminar*, Shiraz University, Shiraz, Iran, 27-28 Nov **2013**
- 13) Saeed N., Yousefinejad S., Prediction of protein amino acids' retardation factor in different solvent mixtures of NP-TLC, *The National Conference on Protein and Peptide Science, From Basic to Medical and Industrial Applications*, Shiraz University, Shiraz, Iran, 10 & 11 Dec **2014**.
- 14) Aalizade, L. Yousefinejad S., Classification of Furnace Oil, Gas Oil and Mazot Oil using ATR-FTIR Spectroscopy and Chemometrics Methods, Application of ATR-FTIR Spectroscopy and Chemometrics to Discriminate Three Types of Fuel Oil, *The 21th Iranian Analytical Chemistry Conference*, Shahid Chamran University, Ahvaz, Iran, 14-16 March **2015**.
- 15) Aalizade, L. Yousefinejad S., Discrimination of Gas Oil, Furnace Oil and Mazot Oil using Combination of Chemometrics and ATR- FTIR Spectroscopy, *International CAC2015 (Chemometrics in Analytical Chemistry)*, China, July **2015**.
- 16) Honarasa F, Yousefinejad S., Quantitative Structure-Electrochemistry Relationship in Non-aqueous Solutions: On the Reduction Potential of Anthraquinone Derivatives in Organic phase, *5th Iranian Biennial Chemometrics Seminar*, Department of Chemistry, Faculty of Science , University of Tehran, Tehran, Iran, 25-26 Nov **2015**.
- 17) Ramezani A. M., Yousefinejad S., Nazifi M., Absalan G., Chemometric approach to optimize micellar liquid chromatographic separation of some natural anthraquinone dyes, *5th Iranian Biennial Chemometrics Seminar*, Department of Chemistry, Faculty of Science , University of Tehran, Tehran, Iran, 25-26 Nov **2015**.
- 18) Mahboubifar M., Hemmateenejad B., Javidnia K., Yousefinejad S., Evaluation of long-heating kinetic process of edible oils using ATRFTIR and chemometrics tools, *5th Iranian Biennial Chemometrics Seminar*, Department of Chemistry, Faculty of Science , University of Tehran, Tehran, Iran, 25-26 Nov **2015**.
- 19) Hemmateenejad B., Yousefinejad S., The past, Present and the future of chemometrics in Iran, *22nd Iranian Seminar of Analytical Chemistry*, Chemistry & Chemical Engineering Research Center of Iran, Tehran, Iran, 26-28 Jan **2016** (Key note Lecture presented by Prof. Hemmateenejad)
- 20) Yousefinejad S., Bahadori M.,_Hemmateenejad B., Discrimination analysis of HIV-1 Protease Interactome using QTMS-based amino acids indices and chemometrics, *23rd Iranian Seminar of Analytical Chemistry*, Sharif University of Technology, Tehran, Iran Aug, 30 – Sep, 1, **2016**
- 21) Eskandari R., Yousefinejad S., Quantitative Structure-Activity Relationship to Predict the Antimalarial Activity in a Set of New Imidazolopiperazines Based on Artificial Neural Networks, *23rd Iranian Seminar of Analytical Chemistry*, Sharif University of Technology, Tehran, Iran Aug, 30 – Sep, 1, **2016**.
- 22) Bahrami S., Baezzat M.R., Yousefinejad S. Multivariate calibration analysis for Simulations Determination of Alfuzosin, Indomethacin and Zileuton, *23rd Iranian Seminar of Analytical Chemistry*, Sharif University of Technology, Tehran, Iran Aug, 30 – Sep, 1, **2016**.
- 23) Chaabi M., Yousefinejad S., A Structural Study on the Solubility of Pyrene, *19th Iranian Physical Chemistry Conference*, University of Guilan, Guilan, Iran, 13-15, Sep **2016**

- 24) Chaabi M., Yousefinejad S., Role of Molar Transition Energy and Basicity of Solvents in Solvation of Pyrene in Organic Phase, *19th Iranian Physical Chemistry Conference*, University of Guilan, Guilan, Iran, 13-15, Sep **2016**
- 25) Zangene F., Yousefinejad S., A Quantitative Structural Study on the Gas-Organic Solvent Partition Coefficient of Anthracene, *19th Iranian Chemistry Congress, Shiraz University*, Shiraz, Iran, 20-23, Feb **2017**.
- 26) Mosahebfard M., Yousefinejad S., Linear Relationship of the Solubility of Trans-Stilbene with doner strength, acidity, polarity and polarizability of solvents, *19th Iranian Chemistry Congress, Shiraz University*, Shiraz, Iran, 20-23, Feb **2017**.
- 27) Rasekh Sahar., Yousefinejad S., QSAR for Antibacterial Activity in a New Set of Formyl Hydroxyamino Derivatives, *19th Iranian Chemistry Congress, Shiraz University*, Shiraz, Iran, 20-23, Feb **2017**.
- 28) Eftekhari R., Yousefinejad S., Investigation of Solvent-Solvent Miscibility in the Binary Mixtures Composed by Methanol and a Set of Different Polar and Non-polar Solvents, *19th Iranian Chemistry Congress, Shiraz University*, Shiraz, Iran, 20-23, Feb **2017**.
- 29) Heidari S. Yousefinejad S., Hemmateenejad B., Using of excitation-emission matrix fluorescence spectra combined with three-way chemometrics analysis to investigate the interaction of hemoglobin with pyrene and anthracene, *19th Iranian Chemistry Congress, Shiraz University*, Shiraz, Iran, 20-23, Feb **2017**.
- 30) Eftekhari R., Yousefinejad S., Gas to Liquid Partitioning of Ethanol in Different Organic Phases: a Structural Analysis, *24th ICS Seminar of Analytical Chemistry, Azarbaijan Shahid Madani University*, 30 Aug-1 Sep **2017**.
- 31) Hemmateenejad B., Bahadori M., Yousefinejad S., Quantitative Structure Sequence Modeling of Angiotensin-I-Converting Enzyme Peptide Originated from Milk Using Amino Acid Indices based on Quantum Topological Molecular Similarity, *6th Iranian Biennial Chemometrics Seminar, University of Mazandaran*, Babolsar, Iran, 26-27 Oct 2017
- 32) Ramezani A. M., Yousefinejad S., Absalan G, Structure-retention time modeling of some anthraquinone-based dyes by considering chain lengths of organic modifiers in the eluent of micellar HPLC, *6th Iranian Biennial Chemometrics Seminar, University of Mazandaran*, Babolsar, Iran, 26-27 Oct 2017
- 33) Akbari S., Yousefinejad S., Structure-retardation relationship for protein amino acids in in two different mobile phases of reverse phase TLC, *The 3rd Conference on Protein and Peptide Sciences, Shiraz University, Shiraz, Iran*, 25&26 Apr 2018

Lectures in national and international conferences

- Yousefinejad S., Hemmateenejad B., Prediction of the dispersibility of graphene in various liquid phases using theoretical descriptors and solvent empirical parameters: A chemometrics approach , *12th*

Nanotechnology Iranian students conference, Tehran University of medicinal science, Tehran, 24-25 May **2012**.

➤ Yousefinejad S., Hemmateenejad B., Interaction Study of Human Serum Albumin and ZnS NPs Using Fluorescence Spectrometry and Chemometrics, *International Congress on Nanoscience & Nanotechnology – ICNN2012, Kashan Iran*, 8-10 Sep **2012**.

➤ Yousefinejad S., Fotouhi L., Salehi N., Farivar F., Moosavi-Movahedi A. A., Chemical Unfolding Study of Hemoglobin Using Chemometrics Analysis of Merged Spectroscopic Data, *4th Iranian Biennial Chemometrics Seminar*, Shiraz University, Shiraz, Iran, 27-28 Nov **2013**

➤ Yousefinejad S., Bagheri M., Moosavi-Movahedi, A.A, Toward a Strategy to Describe and Predict Activities of Peptide Drugs Contain L/D and Unnatural Residues: QSAM of Antimicrobial Hexapeptides, *The National Conference on Protein and Peptide Science, From Basic to Medical and Industrial Applications*, Department of Biology, Shiraz University, Shiraz, Iran, 10 & 11 Dec **2014**.

➤ Yousefinejad S., Hemmateenejad B., Quantitative sequence activity relationship of bitter tasting threshold peptides: a comparison study between some two-way and three-way modeling methods, *5th Iranian Biennial Chemometrics Seminar*, Department of Chemistry, Faculty of Science , University of Tehran, Tehran, Iran, 25-26 Nov **2015**.

Patents

- An anodizing approach for painting the Mobile phone compounds (Yousefinejd S. Binaee A.)
- Herbal solution of Fit Testing for Half face-piece Respirators (Jahangiri M., Fakherpour A., Yousefinejad S.)

Supervisor/Advisor of Thesis

#	Student name / defense year	Degree	Role	Title
1	Negar Saeed 2014	MSc. in Analytical Chemistry	Supervisor	Prediction of Protein Amino Acids' retardation Factor in Different Solvent Mixtures of Normal Phase-Thin Layer Chromatography
2	Leila Aalizadeh 2014	MSc. in Analytical Chemistry	Supervisor	Classification of Furnace Oil, Gas Oil and Mazot Oil using ATR-FTIR Spectroscopy and Chemometrics Methods
3	Maryam Zare 2015	MSc. in Analytical Chemistry	Supervisor	Comparison of different carbon nanostructures on potentiometric performance of carbon paste electrode
4	Mehrnoosh Chaabi 2015	MSc. in Analytical Chemistry	Supervisor	New relationship model for solvent-solubility of pyrene based on molecular structure and experiment
5	Raziyeh Zare 2014	MSc. in Analytical Chemistry	Supervisor	Investigation of solvent properties in carbon-nanotube dispersions using computational and QSPR methods

6	Ali Jafarpour 2015	MSc. in Analytical Chemistry	Supervisor	Investigation of ferrocene solubility in non-aqueous solvents for chemical and electrochemical purposes
7	Somayeh Nasr 2015	MSc. in Analytical Chemistry	Advisor	Structure-Electrochemistry Relationship in Non-aqueous Solutions: Prediction of the Half-Wave Potential of Anthraquinones Derivatives in Different Organic Solvents
8	Azam Abdollahi-Dezaki	MSc. in Analytical Chemistry	Second Supervisor	Prediction of E^T_N Polarity Scale of Ionic Liquids Using a QSPR Approach
9	Rayhaneh Eskandari 2016	MSc. in Analytical Chemistry	Supervisor	Quantitative Structure-Activity Relationship to predict the activity in a set of new Antimalarial Agents
10	Marziyeh Mosahebfard 2016	MSc. in Analytical Chemistry	Supervisor	Investigation of Effective Parameters on the Solubility of Trans-Stilbene with a Solvent-Solute Approach
11	Fahime Zangene 2016	MSc. in Analytical Chemistry	Supervisor	Investigation and modeling of the solubility of Anthracene in Organic phase
12	Sahar Rasekh 2016	MSc. in Analytical Chemistry	Supervisor	Prediction and Description of Antibacterial Activity in a New Set of Formyl Hydroxyamino Derivatives Using Structural Information and Chemometrics
13	Roya Eftekhari 2016	MSc. in Analytical Chemistry	Supervisor	Solvent-Solvent Interactions in a Binary Mixture Composed by Methanol or Ethanol and a Set of Different Polar and Non-polar Solvents
14	Alireza Akbarzadeh 2017	PhD in Chemistry (Iran University of Science and Technology, Tehran, Iran)	Advisor	<i>Prediction of important physicochemical and biological properties of some porphyrins</i>
15	Fatemeh Kargar 2019	PhD in Occupational Health Engineering (Shiraz University of Medical Sciences)	Advisor	<i>Field of study:</i> Genotoxicity and exposure evaluation of some Anesthetizing gases
16	Farnaz Behmami 2019	MSc. in Occupational Health Engineering	Supervisor	<i>Field of study:</i> Development of sampling and analytical strategy to determine pesticides
17	Raziyeh Ashoori 2018	MSc of Environmental Health Engineering	Advisor	<i>Field of study:</i> Removal of water pollutants using electro-coagulation
18	Zahra Jamshidi 2018	MSc in Environmental Health Engineering	Advisor	<i>Field of study:</i> Removal of organic pesticides using combinational methods
19	Somayeh Rahimi 2019	PhD in Environmental Health Engineering (Isfahan University of Medical Sciences)	Advisor	<i>Field of study:</i> Application of core shell nanoparticles, Fenton and electro-Fenton processes to remove antibiotics from wastewater
20	Rasool Rahmani 2019	PhD in Occupational Health Engineering (Shiraz University of Medical Sciences)	Advisor	<i>Field of study:</i> Effects of Acute and Sub-Acute Exposure to Heat Stress and trichloroethylene on Immune System, Hematological and Metabolic Parameters in Rats
21	Tahereh Rookes	MSc in Environmental Health Engineering	Advisor	<i>Field of study:</i> Electro-coagulation in water treatment
22	Sahar Mirzaie 2018	MSc in Environmental Health Engineering	Advisor	<i>The evaluation of chloroform formation possibility as trihalomethanes indicator and its carcinogenic potential in potable water transfer line from Dorudzan Dam to Shiraz city during the period of 2016-2017</i>

23	Fatemeh Jamshidi 2018	MSc in Environmental Health Engineering	Advisor	<i>Removal of Alachlor from Aqueous Solutions by TiO₂ Nanoparticles under the UV radiation</i>
24	Raziyeh Aashoori 2018	MSc in Environmental Health Engineering	Advisor	<i>Simultaneous removal of fluoride and nitrate from water using electrocoagulation based on some modified and non-modified electrodes</i>
25	Anahita Fakherpour 2019	MSc. in Occupational Health Engineering	Advisor	<i>Field of study: Fitness solutions to study the fitness of respiratory masks.</i>
26	Fatemeh Amiri 2019	PhD in Occupational Health Engineering (Shiraz University of Medical Sciences)	Advisor	<i>Field of study: Exposure assessment of some Anesthetizing gases in workers of clinical operation rooms.</i>
27	Zohreh Moieni 2019	MSc in Environmental Health Engineering	Advisor	<i>Removal of Atrazine from Water Using Titanium Dioxide Encapsulated in Salicylaldehyde-NH₂-MIL-101 (Cr)</i>
28	Alireza Abbasi 2020	MSc in Environmental Health Engineering	Advisor	<i>Field of study: Removing CO using nanocatalysts</i>
29	Morteza Mortazavi 2020	PhD in Occupational Health Engineering (Shiraz University of Medical Sciences)	Advisor	<i>Field of study: Design and evaluation of bioscrubbers for removal of poly-aromatic hydrocarbons from air</i>
30	Sepideh Abbaszadeh 2020	MSc. Student in Occupational Health Engineering	Supervisor	<i>Field of study : Application of liquid Extraction methods in Biological Monitoring</i>
31	Mahmood Sadeghi 2022	PhD Student in Reproduction Biology	Supervisor	<i>Field of study: Metabolomics in polycystic syndrome</i>
32	Arezo Damokhi 2021	MSc. Student in Occupational Health Engineering	Supervisor	<i>Field of study : Development of new liquid Extraction methods in Biological Monitoring of Occupational Pollutant</i>
	Fatemeh Dehghani (In Progress)	PhD in Occupational Health Engineering (Shiraz University of Medical Sciences)	Supervisor	<i>Field of study: Metabolomics and Rapid-response Sensors in Occupational monitoring</i>
	Ghazal Nikaeen 2022	MSc. Student in Occupational Health Engineering	Supervisor	<i>Field of study : Development of new magnetic ionic liquid micro extraction methods in Biological Monitoring of Occupational Pollutant</i>
	Abolfazl Moghadasi (In Progress)	PhD in Occupational Health Engineering (Shiraz University of Medical Sciences)	Supervisor	<i>Field of study : Toxicology of benzene in occupational exposure and design and manufacture</i>
	Elnaz Taheri (In Progress)	PhD in Occupational Health Engineering (Shiraz University of Medical Sciences)	Supervisor	<i>Field of study : application of magnetic molecular imprinted polymer in biological monitoring of occupational exposures</i>

BOOK

- *Chemometrics and Image Processing in Thin-Layer Chromatography, (Chapter 25, In: "Chemometrics in Chromatography", Hemmateenejad, B., Talebanpour-Bayat, E.,..., Yousefinejad, S., (2018), CRC Press, Taylor & Francis Group*
- *Nanotechnology for Occupational Health Engineering, (In Persian) (2020) , Shiraz University of Medical Sciences*

Reviewer in Journals and Conferences

<https://publons.com/researcher/1194360/saeed-yousefinejad/peer-review/>

- Science of Total Environment (*Elsevier*)
- Analytica Chimica Acta (*Elsevier*)
- Amino Acids (*Springer*)
- Journal of Separation Science (*Wiley*)
- Colloids and Surfaces B: Biointerfaces (*Elsevier*)
- Food Chemistry (*Elsevier*)
- Chemosphere (*Elsevier*)
- Fuel (*Elsevier*)
- Industrial & Engineering Chemistry Research (*American Chemical Society, ACS*)
- Spectrochimica Acta A: Molecular and Biomolecular Spectroscopy (*Elsevier*)
- Analytical Methods (*Royal Society of Chemistry, RSC*)
- Journal of Biomolecular Structure and Dynamics (*Taylor & Francis*)
- Fullerenes, Nanotubes and Carbon Nanostructures (*Taylor & Francis*)
- Journal of the Iranian Chemical Society (*Springer*)
- Computer Methods and Programs in Biomedicine (*Elsevier*)
- Current Analytical Chemistry (*Bentham Science*)
- Current Computer-Aided Drug Design (CCADD) (*Bentham Science*)
- Journal of Essential Oil Bearing Plants
- Arabian Journal of Chemistry (*Elsevier*)
- Journal of Saudi Chemical Society (*Elsevier*)
- Journal of Chemistry
- Physical Chemistry and Electrochemistry
- Journal of Applied Solution Chemistry and Modeling
- Current Chemistry Letters
- Journal of Medicinal Chemistry and Drug Designing
- Iranian Journal of Science and Technology (Sciences) (IJSTS)' (*Springer*)
- Physical Chemistry Research (*Iran Chem Soc.*)
- Food Bioscience (*Elsevier*)
- ACS Omega (*ACS, American Chemical Society*)
- Journal of Raman Spectroscopy (*Springer*)
- Environmental Research (*Elsevier*)
- Journal of Food Processing and Preservation (*Wiley*)
- Journal of Molecular Structure (*Elsevier*)
- Current Bioactive Compounds (*Bentham Science*)
- Journal of Environmental Quality (*ProQuest*)
- HELIYON (*Elsevier*)
- Critical Reviews in Analytical Chemistry (*Taylor & Francis*)
- International Journal of Environmental Analytical Chemistry (*Taylor & Francis*)
- Biomedicine & Pharmacotherapy (*Elsevier*)
- Value in Health Regional Issues (*Elsevier*)
- Histology and Histopathology (*Elsevier*)
- Journal of Environmental Management (*Elsevier*)
- Separation and Purification Technology (*Elsevier*)
- RSC Advances (*Royal Society of Chemistry*)
- Journal of Environmental Management (*Elsevier*)
- Journal of Food Processing and Preservation (*Hindawi*)
- Inorganic Chemistry Communications (*Elsevier*)
- Chemical Engineering Journal (*Elsevier*)
- Materials (*MDPI*)
- Measurement (*Elsevier*)

Conferences

- 4th Iranian biannual seminar of Chemometrics, Shiraz, Iran (2013)
- 2016 Global Conference on Polymer and Composite Materials (PCM2016)

Teaching Experiences

- Shiraz University of Medical Sciences, Shiraz, Iran
- Department of Chemistry, Shiraz University, Shiraz, Iran
- Islamic Azad University, Shiraz branch, Shiraz, Iran
- Islamic Azad University, Marvdasht branch, Marvdasht, Iran
- Islamic Azad University, Neiriz branch, Neiriz, Iran
- Rajayi College of Technology, Shiraz, Iran
- Farhangian University, Shiraz, Iran

Teaching Courses:

PhD Courses:

- 1- Instrumental Analysis (PhD Course in Occupational Health Engineering),
- 2- Nanotechnology in Occupational Health Sciences (Part 1: Synthesis and Characterization of nanomaterials)
- 3- New Methods in Instrumental Analysis (for PhD students of Medical entomology)

MSc Courses

- 1-Advanced Analytical Chemistry (MSc. Students of Analytical Chemistry),
- 2- Analytical Chemistry (MSc of health of food and Nutrition)
- 3- Sampling and Analysis of Air Pollutions (Joint teaching for MSc. Students of Occupational Health Engineering)

BSc Courses

- 1-Analytical Chemistry I (Classical Methods)
- 2-Analytical Chemistry II (Electrochemistry),
- 3- Instrumental Analysis,
- 4-Colloidal Chemistry,
- 5- Environmental Chemistry,
- 6-Analytical Chemistry for Engineering
- 7- Analytical Chemistry for Agriculture,
- 8-Analytical Chemistry for Food Science and Industries,
- 9-Industrial Electrochemistry,
- 10-Industrial Chemistry I,
- 11-Water and Waste Treatment,
- 12-General Chemistry I,
- 13-General Chemistry II,
- 14- Computer in Chemistry,
- 15-MATLAB programming,
- 16-Project,
- 17- Analytical Chemistry for Health,
- 18 Analysis and evaluation methods of air pollutants (Occupational Health Engineering)
- 19- Introduction to Organic Chemistry
- 20-Analytical Chemistry (for Medical entomology),

Different Laboratory Courses: (1- Instrumental Analysis, 2- Analytical Chemistry I& II, 3- General Chemistry I&II, 4- Analytical Chemistry for Engineering, 5- Water and Waste Treatment, 6- Instrumental Analysis (PhD. of Health Sciences)) 7- Experiments on Analysis and evaluation methods of air pollutants (Occupational Health Engineering),

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