

Curriculum Vitae

Personal Details

Name: Amir M. Ramezani
Date of birth: 1st April 1986
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Educational Background

2006-2009 **B.Sc. in Pure Chemistry**
Faculty of Science, Sabzevar Teacher Training
University, Sabzevar, Iran.

M.Sc. in Analytical Chemistry
Department of Analytical Chemistry, Faculty of
Chemistry, University of Tabriz, Tabriz, Iran.

2010-2012
M.Sc. Thesis: Development of spectrofluorimetric-based
methods for determination of albumin and heparin in
human serum using Tb-deferasirox or other probes.

Supervisors: Prof. Jamshid L. Manzoori and Prof.
Abolghasem Jouyban

Ph.D. in Analytical Chemistry
Department of Chemistry, Faculty of Sciences, Shiraz
University, Shiraz, Iran.

2013-2018
Ph.D. Thesis: Micellar liquid chromatography as a
robust technique for separation, quantification and
chemical-structure modeling of dyes, drugs and food
additives.

Supervisor: Prof. Ghodratollah Absalan

Postdoctoral Researcher in Analytical Chemistry

Department of Chemistry, Faculty of Sciences, Tarbiat Modares University, Tehran, Iran.

2019-2020

Project Title: Introduction of new extraction method based on in tube solid phase microextraction with or without applying electrical potential coupled with high performance liquid chromatography for trace analysis of environmental pollutant and drug residuals.

Supervisor: Prof. Yadollah Yamini

Research Fields

- Development and validation of GC and HPLC based methods for the analysis of pharmaceutical compounds in biological and pharmaceutical samples.
- Analysis of different samples by using the GC-MS, AAS, and IC techniques.
- Application of spectrofluorimetric and spectrophotometric methods for the analysis of pharmaceutical compounds in biological and pharmaceutical samples.
- Design and construction of optical nanosensors based on nanoparticles.
- Design and construction of electrochemical sensors and biosensors for pharmaceutical and environmental analysis.
- Sample preparation and extraction methods and their applications in the analysis of drugs, dyes, and environmental pollutants.
- Evaluating and predicting the solubility of the compounds in different solvent systems using computational methods.

The Referee for Journal Papers Submitted to:

1. Analytical and Bioanalytical Chemistry Research
2. BMC Chemistry
3. Journal of Chromatography A
4. Journal of Pharmaceutical and Biomedical Analysis
5. Iranian Journal of Chemistry and Chemical Engineering

Publications

1. Employment of a natural deep eutectic solvent as a sustainable mobile phase additive for improving the isolation of four crucial cardiovascular drugs by micellar liquid chromatography, Amir M. Ramezani, Ghodratollah Absalan, Journal of Pharmaceutical and Biomedical Analysis 186 (2020) 113259.
2. Designing a sustainable mobile phase composition for melamine monitoring in milk samples based on micellar liquid chromatography and natural deep eutectic solvent, Amir M. Ramezani, Raheleh Ahmadi, Ghodratollah Absalan, Journal of Chromatography A 1610 (2020) 460563.
3. Quantitative structure-retention relationship for chromatographic behaviour of anthraquinone derivatives through considering organic modifier features in micellar liquid chromatography, Amir M. Ramezani, Saeed Yousefinejad, Azin Shahsavar, Afshan Mohajeri, Ghodratollah Absalan, Journal of Chromatography A 1599 (2019) 46-54.
4. Shaker-assisted liquid-liquid microextraction of methylene blue using deep eutectic solvent followed by back-extraction and spectrophotometric determination, Raheleh Ahmadi, Ghasem Kazemi, Amir M. Ramezani, Afsaneh Safavi, Microchemical Journal 145 (2019) 501-507.
5. Vortex-assisted liquid-liquid microextraction based on hydrophobic deep eutectic solvent for determination of malondialdehyde and formaldehyde by HPLC-UV approach, Afsaneh Safavi, Raheleh Ahmadi, Amir M. Ramezani, Microchemical Journal 143 (2018) 166-174.
6. Analysis of malondialdehyde in human plasma samples through derivatization with 2, 4-dinitrophenylhydrazine by ultrasound-assisted dispersive liquid-liquid microextraction-GC-FID approach, Reyhane Malaei, Amir M. Ramezani, Ghodratollah Absalan, Journal of Chromatography B 1089 (2018) 60-69.

7. Green-modified micellar liquid chromatography for isocratic isolation of some cardiovascular drugs with different polarities through experimental design approach, Amir M. Ramezani, Ghodratollah Absalan, Raheleh Ahmadi, *Analytica Chimica Acta* 1010 (2018) 76-85.
8. Simultaneous determination of captopril and hydrochlorothiazide by using a carbon ionic liquid electrode modified with copper hydroxide nanoparticles, Ghodratollah Absalan, Morteza Akhond, Raziye Karimi, Amir M. Ramezani, *Microchimica Acta* 185 (2018) 97.
9. Response surface approach for isocratic separation of some natural anthraquinone dyes by micellar liquid chromatography, Amir M. Ramezani, Saeed Yousefinejad, Mohammad Nazifi, Ghodratollah Absalan, *Journal of Molecular Liquids* 242 (2017) 1058-1065.
10. Gas-assisted dispersive liquid-phase microextraction using ionic liquid as extracting solvent for spectrophotometric speciation of copper, Morteza Akhond, Ghodratollah Absalan, Tayebe Pourshamsi, Amir M. Ramezani, *Talanta* 154 (2016) 461-466.
11. Determination of heparin using terbium-danofloxacin as a luminescent probe, Jamshid L. Manzoori, Abolghasem Jouyban, Mohammad Amjadi, Amir M. Ramezani, *Journal of Applied Spectroscopy* 80 (2013) 108-114.
12. Analysis of losartan and carvedilol in urine and plasma samples using a dispersive liquid-liquid microextraction isocratic HPLC-UV method, Somaieh Soltani, Amir M. Ramezani, Naser Soltani, Abolghasem Jouyban, *Bioanalysis* 4 (2012) 2805-2821.
13. Spectrofluorimetric determination of human serum albumin using terbium-danofloxacin probe, Amir M. Ramezani, Jamshid L. Manzoori, Mohammad Amjadi, Abolghasem Jouyban, *The Scientific World Journal* 2012 (2012) 1-9.
14. Solubility of some basic drugs in dioxane + water mixtures at 298.2 K, Amir M. Ramezani, Ali Shayanfar, Jamshid L. Manzoori, Abolghasem jouyban, *Latin American Journal of Pharmacy* 31 (2012) 1176-1181.

Presentations and Congresses

1. Structure-retention time modeling of some anthraquinone-based dyes by considering chain lengths of organic modifiers in the eluent of micellar HPLC, Amir M. Ramezani, Saeed Yousefinejad, Ghodrattollah Absalan, The 6th Iranian Biennial Seminar of Chemometrics, University of Mazandaran, Babolsar, Iran, October 2017.
2. The 19th Iranian Chemistry Congress, Shiraz University, Shiraz, Iran, February 2017 (As a member of the executive committee).
3. Determination of malondialdehyde in human plasma by dispersive liquid-liquid microextraction/gas chromatography-flame ionization detection after derivatization with 2,4-dinitrophenylhydrazine, Reyhane Malaei, Amir M. Ramezani, Ghodrattollah Absalan, The 23rd Iranian Seminar of Analytical Chemistry, Sharif University of Technology, Tehran, Iran, September 2016.
4. Spectrophotometric determination of captopril based on its radical restoration ability catalyzed by carbon nanozymes, Reyhane Malaei, Amir M. Ramezani, Ghodrattollah Absalan, The 23rd Iranian Seminar of Analytical Chemistry, Sharif University of Technology, Tehran, Iran, September 2016.
5. Application of in-situ surfactant-based solid phase extraction for preconcentration and determination of nystatin, Samaneh Azadi, Amir M. Ramezani, Ghodrattollah Absalan, The 22nd Iranian Seminar of Analytical Chemistry, Chemistry & Chemical Engineering Research Center of Iran, Tehran, Iran, January 2016.
6. Dispersive micro-solid phase extraction of rhodamine B using zein nanoparticles as extracting sorbents by spectrophotometric method, Fateme Boroomand, Amir M. Ramezani, Samaneh Azadi, Ghodrattollah Absalan, The 22nd Iranian Seminar of Analytical Chemistry, Chemistry & Chemical Engineering Research Center of Iran, Tehran, Iran, January 2016.
7. Simultaneous voltammetric determination of captopril and hydrochlorothiazide on a copper hydroxide nanoparticles composite carbon ionic liquid electrode, Raziye

- karimi, Amir M. Ramezani, Morteza Akhond, Ghodratollah Absalan, The 22nd Iranian Seminar of Analytical Chemistry, Chemistry & Chemical Engineering Research Center of Iran, Tehran, Iran, January 2016.
8. Determination of melamine on a copper hydroxide nanoparticles composite carbon ionic liquid electrode by differential pulse anodic stripping voltammetry, Raziye karimi, Amir M. Ramezani, Morteza Akhond, Ghodratollah Absalan, The 22nd Iranian Seminar of Analytical Chemistry, Chemistry & Chemical Engineering Research Center of Iran, Tehran, Iran, January 2016.
 9. Chemometric approach to optimize micellar liquid chromatographic separation of some natural anthraquinone dyes, Amir M. Ramezani, Saeed Yousefinejad, Mohammad Nazifi, Ghodratollah Absalan, The 5th Iranian Biennial Seminar of Chemometrics, University of Tehran, Tehran, Iran, November 2015.
 10. Liquid-liquid microextraction with gas disperser for copper speciation by spectrophotometric detection, Ghodratollah Absalan, Morteza Akhond, Tayebe Pourshamsi, Amir M. Ramezani, The 21st Iranian Seminar of Analytical Chemistry, Shahid Chamran University of Ahvaz, Ahvaz, Iran, March 2015.
 11. Spectrofluorimetric determination of doxycycline in honey based on the plasmonic interaction between its europium complex and silver nanoparticles, Morteza Akhond, Ghodratollah Absalan, Fereshte Mohamadi Gharaghani, Amir M. Ramezani, The 21st Iranian Seminar of Analytical Chemistry, Shahid Chamran University of Ahvaz, Ahvaz, Iran, March 2015.
 12. The 4th Iranian Biennial Seminar of Chemometrics, Shiraz University, Shiraz, Iran, November 2013 (As a participant).
 13. Prediction of the optimized solvent composition for altering the solubility of drugs in dioxane + water mixtures, Amir M. Ramezani, Ali Shayanfar, Jamshid L. Manzoori, Abolghasem Jouyban, The 3rd Iranian Biennial Seminar of Chemometrics, University of Tabriz, Tabriz, Iran, November 2011.

14. Spectrofluorimetric method for the determination of human serum albumin using terbium-danofloxacin, Amir M. Ramezani, Jamshid L. Manzoori, Abolghasem Jouyban, The 15th Iranian Chemistry Congress, Bu-Ali Sina University, Hamedan, Iran, September 2011.

Connection Links

➤ Google scholar citation report:

<https://scholar.google.com/citations?user=9ky1x8wAAAAJ&hl=en>

➤ ResearchGate:

https://www.researchgate.net/profile/Amir_Ramezani6