Curriculum Vitae

Personal Details

Name: Date of birth:	Amir M. Ramezani 1 st April 1986
Address:	Neyshabur University of Medical Sciences, Neyshabur, Iran.
Phone no.:	+98 9155578739
Email:	amir.m.ramezani@hotmail.com
Marital status:	Married
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. M.Sc. Thesis: Development of spectrofluorimetric-based 2010-2012 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. Ph.D. Thesis: Micellar liquid chromatography as a 2013-2018 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. 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

Administrative Experience

- Head of core research laboratory of Neyshabur University of Medical Sciences, Neyshabur, Iran (2021).
- 2. Technical manager of the instrumental analysis section of the core research laboratory of Neyshabur University of Medical Sciences, Neyshabur, Iran (2021).

Academic Experience

• Research Assistant Professor of Analytical Chemistry, Healthy Ageing Research Center, Neyshabur University of Medical Sciences, Neyshabur, Iran (2020-2021).

Membership in committees

- 1. A member of the Research Council of the Healthy Ageing Research Center, Neyshabur University of Medical Sciences, Neyshabur, Iran (2021)
- A member of technical and legal committees for issuing health licenses for operation, construction, and technical manager of food, beverage, cosmetics factories, food and drug administration of Neyshabur University of Medical Sciences, Neyshabur, Iran (2021)

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.

Editorial Board of Research Journal:

 Journal current research in medicine (Publish by Neyshabur University of Medical Sciences)

The Referee for Journal Papers Submitted to:

- 1. ACS Omega
- 2. Analytical and Bioanalytical Chemistry Research
- 3. BMC Chemistry
- 4. Journal of the Chinese Chemical Society
- 5. Journal of Chromatography A
- 6. Journal of Iranian Chemical Society
- 7. Journal of Pharmaceutical and Biomedical Analysis
- 8. Iranian Journal of Chemistry and Chemical Engineering
- 9. Iranian Journal of Pharmaceutical Research
- 10. Talanta

Publications

Book

Writing a book chapter entitled: "Deep Eutectic Solvent Based Microextraction" in a book entitled "Microextraction Techniques in Analytical Toxicology" that will be published by CRC Press, Taylor & Francis Group (2022).

Papers

- Introducing Hierarchical Hollow MnO₂ Microspheres as Nanozymes for Colorimetric Determination of Captopril, Mohammad Nazifi, Raheleh Ahmadi, <u>Amir</u> <u>M. Ramezani</u>, Ghodratollah Absalan, Analytical and Bioanalytical Chemistry (In press).
- Determination of heavy metals and health risk assessment in indoor dust from different functional areas in Neyshabur, Iran, Abolfazl Naimabadi, Ali Gholami, <u>Amir M. Ramezani</u>, (In press).
- Deep eutectic solvent dependent carbon dioxide switching as a homogeneous extracting solvent in liquid-liquid microextraction, Mahsa Nazraz, <u>Amir M.</u> <u>Ramezani</u>, Zeinab Dinmohammadpour, Yadollah Yamini, Journal of Chromatography A, 1636 (2021) 461756.
- Colorimetric determination of D-penicillamine based on the peroxidase mimetic activity of hierarchical hollow MoS₂ nanotubes, Mohammad Nazifi, <u>Amir M.</u> <u>Ramezani</u>, Ghodratollah Absalan, Raheleh Ahmadi, Sensors and Actuators B: Chemical 332 (2021) 129459.
- Development of a convenient polypyrrole based sorbent for headspace solid phase microextraction of diazinon and chlorpyrifos, <u>Amir M. Ramezani</u>, Yadollah Yamini, Mahsa Nazraz, Journal of Food Composition and Analysis 98 (2021) 103806.
- 6. Electrodeposition of poly-ethylenedioxythiophene-graphene oxide nanocomposite in a stainless steel tube for solid-phase microextraction of letrozole in plasma samples,

Amir M. Ramezani, Yadollah Yamini, Journal of Separation Science 43 (2020) 4338-4346.

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

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

Scientific Projects

- Measurement of some of Heavy Metals in rice Consumption of Neyshabur, Safoura Javan, <u>Amir M. Ramezani</u>, Mohammad Hasan-Abadi, Funded by Neyshabur University of Medical Sciences, 2021-2022.
- Quantification of tetracycline, oxytetracycline, chlortetracycline, and doxycycline in birds and animals manures, Abolfazl Naimabadi, <u>Amir M. Ramezani</u>, Mohammad Hasan-Abadi, Funded by Neyshabur University of Medical Sciences, 2020-2022.
- Separation and identification of Snuff compounds in Neyshabur city by using gas chromatography, Nayyereh Aminisani, <u>Amir M. Ramezani, Raheleh Ahmadi, Zahra</u> Babaei, Funded by Neyshabur University of Medical Sciences, 2020-2022.
- Enhancement of mesalazine solubility value by using the ternary mixtures of ethanol, propylene glycol, and water at various temperatures, <u>Amir M. Ramezani</u>, Abolghasem Jouyban, Elaheh Rahimpour, Funded by Neyshabur University of Medical Sciences, 2020-2022.
- 5. Assessment of relationship between the excretion of sodium and potassium of 24-hour urinary sample and spot urinary sample and dietary sodium and potassium intake with blood pressure among elderly population in Neyshabur, Mitra Hariri, Ali Gholami, Seyed Morteza Shamshirgaran, <u>Amir M. Ramezani</u>, Funded by Neyshabur University of Medical Sciences, 2019-2022.
- 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, <u>Amir M. Ramezani</u>, Yadollah Yamini, Funded by Iran National Science Foundation, 2019-2022.
- Design and manufacture of sensors and biosensors based on graphene structures and fractal nanostructures with graphene substrate, <u>Amir M. Ramezani</u>, Mojtaba Mahyari, Funded by Iran's National Elites Foundation, 2014-2016.

- Development an HPLC method for cardiovascular drug monitoring, Somaieh Soltani, <u>Amir M. Ramezani</u>, Naser Soltani, Abolghasem Jouyban, Funded by Cardiovascular Research Center, Tabriz University of Medical Sciences, 2011-2012.
- Study and prediction of solubility of drugs with low solubility in a mixture of water and dioxane, <u>Amir M. Ramezani</u>, Ali Shayanfar, Jamshid L. Manzoori, Abolghasem jouyban, Funded by Tabriz Branch Islamic Azad University, 2011-2012.

Presentations and Congresses

- The 10th quarterly meeting of the Iranian Scientific Association of Epidemiologists, Neyshabur University of Medical Sciences, Neyshabur, Iran, August 2020 (As a participant).
- Structure-retention time modeling of some anthraquinone-based dyes by considering chain lengths of organic modifiers in the eluent of micellar HPLC, <u>Amir M.</u> <u>Ramezani</u>, Saeed Yousefinejad, Ghodratollah Absalan, The 6th Iranian Biennial Seminar of Chemometrics, University of Mazandaran, Babolsar, Iran, October 2017.
- The 19th Iranian Chemistry Congress, Shiraz University, Shiraz, Iran, February 2017 (As a member of the administrative committee).
- 4. Determination of malondialdehyde in human plasma by dispersive liquid-liquid microextraction/gas chromatography-flame ionization detection after derivatization with 2,4-dinitrophenylhydrazine, Reyhane Malaei, <u>Amir M. Ramezani</u>, Ghodratollah Absalan, The 23rd Iranian Seminar of Analytical Chemistry, Sharif University of Technology, Tehran, Iran, September 2016.
- Spectrophotometric determination of captopril based on its radical restoration ability catalyzed by carbon nanozymes, Reyhane Malaei, <u>Amir M. Ramezani</u>, Ghodratollah Absalan, The 23rd Iranian Seminar of Analytical Chemistry, Sharif University of Technology, Tehran, Iran, September 2016.

- Application of in-situ surfactant-based solid phase extraction for preconcentration and determination of nystatin, Samaneh Azadi, <u>Amir M. Ramezani</u>, Ghodratollah Absalan, The 22nd Iranian Seminar of Analytical Chemistry, Chemistry & Chemical Engineering Research Center of Iran, Tehran, Iran, January 2016.
- Dispersive micro-solid phase extraction of rhodamine B using zein nanoparticles as extracting sorbents by spectrophotometric method, Fateme Boroomand, <u>Amir M.</u> <u>Ramezani</u>, Samaneh Azadi, Ghodratollah Absalan, The 22nd Iranian Seminar of Analytical Chemistry, Chemistry & Chemical Engineering Research Center of Iran, Tehran, Iran, January 2016.
- 8. Simultaneous voltammetric determination of captopril and hydrochlorothiazide on a copper hydroxide nanoparticles composite carbon ionic liquid electrode, Raziyeh karimi, <u>Amir M. Ramezani</u>, Morteza Akhond, Ghodratollah Absalan, The 22nd Iranian Seminar of Analytical Chemistry, Chemistry & Chemical Engineering Research Center of Iran, Tehran, Iran, January 2016.
- 9. Determination of melamine on a copper hydroxide nanoparticles composite carbon ionic liquid electrode by differential pulse anodic stripping voltammetry, Raziyeh karimi, <u>Amir M. Ramezani</u>, Morteza Akhond, Ghodratollah Absalan, The 22nd Iranian Seminar of Analytical Chemistry, Chemistry & Chemical Engineering Research Center of Iran, Tehran, Iran, January 2016.
- Chemometric approach to optimize micellar liquid chromatographic separation of some natural anthraquinone dyes, <u>Amir M. Ramezani</u>, Saeed Yousefinejad, Mohammad Nazifi, Ghodratollah Absalan, The 5th Iranian Biennial Seminar of Chemometrics, University of Tehran, Tehran, Iran, November 2015.
- 11. Liquid-liquid microextraction with gas disperser for copper speciation by spectrophotometric detection, Ghodratollah Absalan, Morteza Akhond, Tayebe Pourshamsi, <u>Amir M. Ramezani</u>, The 21st Iranian Seminar of Analytical Chemistry, Shahid Chamran University of Ahvaz, Ahvaz, Iran, March 2015.

- 12. 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, <u>Amir M. Ramezani</u>, The 21st Iranian Seminar of Analytical Chemistry, Shahid Chamran University of Ahvaz, Ahvaz, Iran, March 2015.
- The 4th Iranian Biennial Seminar of Chemometrics, Shiraz University, Shiraz, Iran, November 2013 (As a participant).
- 14. Prediction of the optimized solvent composition for altering the solubility of drugs in dioxane + water mixtures, <u>Amir M. Ramezani</u>, Ali Shayanfar, Jamshid L. Manzoori, Abolghasem Jouyban, The 3rd Iranian Biennial Seminar of Chemometrics, University of Tabriz, Tabriz, Iran, November 2011.
- 15. Spectrofluorimetric method for the determination of human serum albumin using terbium-danofloxacin, <u>Amir M. Ramezani</u>, Jamshid L. Manzoori, Abolghasem Jouyban, The 15th Iranian Chemistry Congress, Bu-Ali Sina University, Hamedan, Iran, September 2011.

Connection Links

Iranian scientometrics information database (ISID):

https://isid.research.ac.ir/Amir_RamezaniMoghaddam

Google scholar citation report:

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

ResearchGate:

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