



**T. M. U**



Department of Chemistry

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### **I. PERSONAL INFORMATION:**

Name: Yadollah Yamini

Date of Birth: 1968

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### **II. EDUCATIONAL RECORDS:**

<b>Degree</b>	<b>Institution</b>	<b>Field</b>	<b>Date</b>
<b>B.Sc</b>	Mazandaran Univ.	Chemistry	1990
<b>M.Sc</b>	Tarbiat Modares Univ.	Chemistry	1992
<b>Ph.D.</b>	Tarbiat Modares Univ.	Anal. Chem.	1996

### III. ACADEMIC EXPERIENCES:

- 1) Assistant professor, Shaheed Beheshti University, Tehran, Iran, (1996).
- 2) Assistant professor, Tarbiat Modares University, Tehran, Iran, (Since 1997).
- 3) Associate Professor, Tarbiat Modares University, Tehran, Iran, (Since 2001).
- 4) Professor, Tarbiat Modares University, Tehran, Iran, (Since 2006).

### IV. SUPERVISION

- 1) **Supervisor of 79 MSc graduated students.**
- 2) **Supervisor of 42 PhD graduated students.**
- 3) **Advisor of 43 MSc and PhD graduated students.**



### V. MEMBERSHIP OF SCIENTIFIC SOCIETIES:

- 1) Iranian Chemical Society (since 1993 and **member of the board of directors of the Iranian Chemical Society since 2009**)
- 2) Division of Analytical Chemistry of ICS (since 1993).
- 3) Division of Chemistry and Environment ICCES (since 2005).



### VI. REFEREE FOR JOURNAL ARTICLES SUBMITTED TO:

- 1) Journal of Pharmaceutical and Biomedical Analysis
- 2) Analytical Chemistry
- 3) Iranian Journal of Chemical and Chemical Engineering
- 4) Journal of Chemical and Chemical Engineering Data
- 5) Talanta
- 6) Analytica Chimica Acta
- 7) Food Sciences
- 8) Journal of the Iranian Chemical Society
- 9) Journal of Agricultural and Food Chemistry
- 10) Journal of Chemical Technology and Biotechnology
- 11) Daru
- 12) Journal of Sciences (IRI)
- 13) Journal of Hazardious Materials
- 14) Bioresources Technology
- 15) Journal of Food Engineering
- 16) Journal of Chromatography A
- 17) Journal of Environmental Analytical Chemistry
- 18) Microchimica Acta
- 19) Journal of Membrane Science
- 20) Malezyan Journal of Science
- 21) Environmental Engineering Science
- 22) Journal of Separation Sciences
- 23) Journal of Supercritical Fluids
- 24) Journal of Chromatographic Science
- 25) Analytical Letters
- 26) Spectroscopy Letters
- 27) Analytical Methods
- 28) Biochemical Engineering Journal
- 29) Chemical Engineering Communications

- 30) Chemical Engineering Journal
- 31) Chromatographia
- 32) Clean Soil Air Water
- 33) Flavour Fragrance Journal
- 34) Journal of Liquid Chromatography & Related Techniques
- 35) Journal of Separation and Purification Technology
- 36) Journal of Environmental Management
- 37) Journal of Food Process Engineering
- 38) Natural Product Research
- 39) Reactive and Functional Polymers
- 40) Thermo Chimica Acta
- 41) Desalination
- 42) Journal of Chemical Thermodynamics
- 43) Chines Journal of Chemistry
- 44) Trends in Anal Chem
- 45) Ecotoxicology and Environmental Safety
- 46) Analyst
- 47) Analytical and Bioanalytical Chemistry
- 48) Applied Clay Science
- 49) Arabian J Chemistry
- 50) Bioanalysis
- 51) Biomedical Chromatography
- 52) Chemical Engineering Research and Design
- 53) Critical Reviews in Analytical Chemistry
- 54) Electrophoresis
- 55) Environmental Monitoring and Assessment
- 56) Environmental Toxicology and Chemistry
- 57) Food Anal Methods
- 58) IET Nanobiotechnology
- 59) Food Chemistry
- 60) Industrial and Engineering Chemistry Research
- 61) International Journal of Environmental Analytical Chemistry
- 62) International nano letters
- 63) Iranian Journal of Environmental Technology
- 64) Journal of AOAC International
- 65) Journal of colloid and interface sciences
- 66) Journal of Advance Research
- 67) Journal of Chemical Therodynamic
- 68) Journal of CO2 Utilization
- 69) Journal of Food and Drug Analysis
- 70) Journal of Food Composition and Analysis
- 71) Journal of Food Science & Technology
- 72) Journal of Industrial and Engineering Chemistry
- 73) Journal of Inorganic and Organometallic Polymers and Materials
- 74) Journal of Molecular Liquids
- 75) Journal of the Science of Food and Agriculture
- 76) Journal of the Taiwan Institute of Chemical Engineers
- 77) Nano Chemistry Research
- 78) Research on Chemical Intermediates
- 79) Spectrochimica acta Part A

- 80) Water, Air; Soil Pollution
- 81) Molecule
- 82) Chemosphere
- 83) Microchemical Journal
- 84) Chemical Papers
- 85) Journal of Pharmaceutical Analysis
- 86) Environmental Progress & Sustainable Energy
- 87) Environmental Progress
- 88) Journal of Environmental Health Science and Engineering
- 89) Polycyclic Aromatic Hydrocarbons
- 90) Toxicon

#### **VII. EDITORIAL BOARD OF RESEARCH JOURNALS**

- 1) Microchimica Acta (Springer Journal)
- 2) Analytical and Bioanalytical Chemistry Research (Publish by Iranian Chemical Society)
- 3) Advances in Sample Preparation (Elsevier Journal)
- 4) Journal of Pharmaceutical Analysis (Elsevier Journal)
- 5) Journal of the Iranian Chemical Society

#### **VIII. RESEARCH INTERESTS:**

- 1) Supercritical fluid extraction and chromatography.
- 2) Solid phase extraction and solid phase micro extraction.
- 3) Solubility determination of solutes in supercritical CO<sub>2</sub>.
- 4) Solid phase spectrometry.
- 5) Ion selective electrodes.
- 6) HPLC and GC.
- 7) Transport of cations through liquid membranes.
- 8) Soluble solid phases.
- 9) Solvent micro extraction.
- 10) Head space solvent micro extraction.
- 11) Application of hollow fiber liquid membranes.
- 12) Electromembrane extraction.
- 13) On-line cloud point extraction
- 14) Magnetically nanoparticles, synthesis and applications in analytical chemistry
- 15) Supramolecular solvents and their application in sample preparation.
- 16) Lab on a Chip

#### **IX. AWARDS**

- 1) Ranked 2th in Chemistry Nationwide Competitive MS Entrance Exam among more than 9000 Chemistry students (1990).
- 2) Ranked 1th in the first stage the first Nationwide Student Olympiad in Chemistry (1990).
- 3) 24<sup>th</sup> Khwarizmi International Award, Feb. 5<sup>th</sup>, 2011, Tehran, Iran.
- 4) Laureate Professor of Tarbiat Modares University on 2004, 2013 and 2025.
- 5) Distinguished Youngest Iranian Analytical Chemist by Iranian Chemical Society on 2013.

- 6) Distinguished Researcher by Ministry of Science, Research and Technology, on 2014.
- 7) Distinguished Professor by Ministry of Science, Research and Technology, on 2024.

## **X. COURSES**

1. Fundamentals of Analytical Chemistry (BS)
2. Instrumental methods of Analysis (BS)
3. Advanced Analytical Chemistry (MSc)
4. Physical and Chemical Methods of Separations (MSc)
5. New Approaches in Analytical Chemistry (PhD)

## **XI. BOOKS**

- 1) Y. Yamini, M. Ghambarian, **Environmental Applications of Cloud-Point Extraction**, in: *Comprehensive Sampling and Sample Preparation*, Ed. Janusz Pawliszyn, Elsevier, Netherland, 2012, pp. 657-680. **ISBN: 978-0123813732**
- 2) Y. Yamini, N. Feizi, M. Moradi, **Surfactant-Based Extraction Systems**, in: *Liquid-Phase Extraction (Handbooks in Separation Science)*, Ed. Colin F. Poole, Elsevier, Netherland, 2020, pp. 209-239. **ISBN: 978-0128169117**
- 3) M. Faraji, Y. Yamini, N. Salehi, **Characterization of magnetic nanomaterials**, in: **Magnetic Nanomaterials in Analytical Chemistry**, Ed. M. Ahmadi, A. Afkhami, T. Madrakian, Elsevier, Netherland, 2021, Chapter 3. **ISBN: 978-0128221310**
- 4) M. Faraji, Y. Yamini, **Application of magnetic nanomaterials in food analysis**, in: **Magnetic Nanomaterials in Analytical Chemistry**, Ed. M. Ahmadi, A. Afkhami, T. Madrakian, Elsevier, Netherland, 2021, Chapter 5. **ISBN: 978-0128221310**
- 5) M. Faraji, Y. Yamini, F. Noormohammadi, M. Adeli, **Application of magnetic nanomaterials in environmental monitoring**, in: **Magnetic Nanomaterials in Analytical Chemistry**, Ed. M. Ahmadi, A. Afkhami, T. Madrakian, Elsevier, Netherland, 2021, Chapter 7. **ISBN: 978-0128221310**
- 6) A.M. Ramezani, Y. Yamini, R. Ahmadi, **Deep Eutectic Solvent based Microextraction**, in: **Microextraction Techniques in Analytical Toxicology**, Ed. R. Jain, R. Singh, 1st Edition, 2021, Chapter 14, Taylor & Francies, **ISBN: 978-0367651947**

- 7) Y. Yamini, M. Tajik, M. Baharfar, **Cleanup and Remediation Based on Conductive Polymers**, in **Conductive Polymers in Analytical Chemistry**, Ed. A. Amiri, C.M. Hussain, 1st Edition, 2022, Chapter 4, American Chemical Society, Washington, USA, ISBN: 9780841297869.
- 8) Y. Yamini, S Nasrollahi, **Liquid-based microextraction techniques for environmental analysis**, in: *Comprehensive Sampling and Sample Preparation*, Ed. M. Soylak, Elsevier, Netherland, 2025, pp. 596-627. **ISBN: 978-0443159794**

## **XII. JOURNAL PAPERS**

**484.** Mirzaee Kalaei F, Hosseini SF, Rezaei M, **Yamini Y**, [Extraction of astaxanthin-rich lipid extracts from green tiger \(\*Penaeus semisulcatus\*\) shrimp by-products using supercritical CO<sub>2</sub> extraction](#)  
Separation Science and Technology, 61: 851–860, Published 2026.

**483.** Entezari S, Ganjidoust H, **Yamini Y**, Ayati B, [A peak comparison index approach for robust microplastic analysis across environmental matrices: validation using meat products](#)  
Scientific Reports, 16: 1687-1 - 1687-8, Published 2026.

**482.** Shariati S, **Yamini Y**, Faraji M, Saleh A, Bozorgzadeh E, [Micellar extraction followed by flow injection ICPAES for preconcentration and determination of aluminium ions](#)  
RSC Advances, 16: 1546-1555, Published 2026.

**481.** Mehdi Bagheri M, **Yamini Y**, Zamani R, [Tailoring of metal organic framework with electrospun polyacrylonitrile for on-chip electromembrane extraction and determination of anticancer drugs in biological samples](#)  
Microchimica Acta, 193: 123-1 – 123-14, Published 2026.

**480.** Kefayati H, **Yamini Y**, [Innovative configuration of multiple MIL-100\(Fe\) monolithic columns for in-tube solid-phase microextraction of sulfonamides in human tear fluid and milk samples](#)  
Analytica Chimica Acta, 1386: 345033-1 - 345033-10, Published 2026.

**479.** Bagheri M, **Yamini Y**, Kefayati H, Sheikhi T, [On-chip electromembrane solid-phase microextraction using a polypyrrole/zirconium-based metal–organic framework/Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> titanium carbide composite coating for the Determination of phenoxyacetic acid herbicides in environmental and food samples](#)  
Journal of Separation Science, 48: e70320-1 - e70320-12, Published 2025.

**478.** Saadat M, **Yamini Y**, [PPy@ ZnO@ NiCo-LDH core-shell nanostructures grown on pencil lead as a novel layer-by-layer assembly fiber coating for enhanced extraction of PAHs from water samples](#)  
Microchemical Journal 218: 115759-1 - 115759-7, Published 2025.

- 477.** Darabi S, Zamani R, **Yamini Y**, [On-chip integration of electromembrane extraction and thin-film solid-phase microextraction using polyaniline/graphene oxide composite for determination of synthetic dyes in beverage and environmental samples](#)  
Analytical Methods 17: 8245-8255, Published 2025.
- 476.** Beiranvand M, **Yamini Y**, Khataei MM, [On-chip integration of electromembrane extraction and thin-film solid-phase microextraction using polyaniline/graphene oxide composite for determination of synthetic dyes in beverage and environmental samples](#)  
Analytica Chimica Acta 1376: 344639-1 - 344639-10, Published 2025.
- 475.** Saadat M, **Yamini Y**, [Multiple-shell amorphous Co/Ni-\(PO<sub>4</sub>\)<sub>x</sub>\(OH\)<sub>y</sub> hollow layered double hydroxide for enhanced extraction of some azole antifungals from biological samples](#)  
Advances in Sample Preparation, 15: 100209-1 - 100209-9, Published 2025.
- 474.** Shahimoridi A, Ebadi MT, Ayyari M, **Yamini Y**, [Optimizing drying techniques for turmeric \(\*Curcuma longa\* L.\): impacts on color, curcumin, and essential oil composition](#)  
Food Chemistry, X 30:102914-1 - 102914-11, Published 2025.
- 473.** Beiranvand M, **Yamini Y**, Khataei MM, [Deep eutectic solvent-coated covalent organic framework as an adsorbent for head space solid-phase microextraction trace concentrations of polycyclic aromatic hydrocarbons](#)  
Microchemical Journal, 217: 114848-1 - 114848-8, Published 2025.
- 472.** Beiranvand M, **Yamini Y**, Khataei MM, [Two-phase hollow fiber based liquid phase microextraction using hydrophobic deep eutectic solvents for extraction of trace amounts of benzodiazepines in biological samples](#)  
Journal of Pharmaceutical and Biomedical Analysis, 265:117061-1 - 117061-8, Published 2025.
- 471.** **Yamini Y**, Jonsson JÅ, Zarghampour F, [Three phase hollow fiber liquid-phase microextraction combined with HPLC-DAD/MS for simultaneous determination of tamoxifen and clomiphene from human urine, plasma and water samples](#)  
Journal of Chromatography A, 1757: 466171-1 – 466171-9, Published 2025.
- 470.** Zamani R, **Yamini Y**, Karami M, [Combination of on-chip electromembrane extraction and solid phase microextraction for determination of non-steroidal anti-inflammatory drugs from biological fluids using poly\(methacrylic acid–ethylene glycol dimethacrylate\)–Cu/Cr layered double hydroxide composite as a sorbent](#)  
Analytical Methods, 17: 4615–4626, Published 2025
- 469.** Beiranvand M, **Yamini Y**, Khataei MM, [Hydrophobic deep eutectic solvents as new supported liquid membranes for extraction of β-blockers by hollow fiber-electromembrane extraction](#)  
Journal of Separation Science, 48: e70102-1 – e70102-10, Published 2025.

**468.** Saadat M, **Yamini Y**, Nikfarjam N, Kefayati H, [Off-line in-tube solid-phase microextraction of some herbicides based on poly\(styrene-divinylbenzene\) coated Fe<sub>3</sub>O<sub>4</sub> nanoparticles](#)

Journal of Chromatography A, 1750: 465910-1 – 465910-8, Published 2025.

**467.** Kefayati H, **Yamini Y**, Ghaemmaghani M, [Metal-organic framework-801@MXene nanocomposites as a coating for headspace solid-phase microextraction of methadone and tramadol from biological samples via gas chromatography-mass spectrometry](#)

Microchimica Acta, 192: 145-1 – 145-13, Published 2025.

**466.** Kefayati H, **Yamini Y**, Nasrollahi SS, [Monolithic metal–organic framework-808 fiber as a novel coating for headspace solid-phase microextraction of phthalate esters from PET containers using GC–MS](#)

Microchemical Journal, 209: 112645-1 – 112645-9, Published 2025.

**465.** Pourhosseini S, **Yamini Y**, Nasrollahi SS, Scholar articles, [Electrospun chitosan modified montmorillonite/polyvinyl alcohol nanofibers as suitable coating for fiber-in-tube solid-phase microextraction of trace amounts of tricyclic antidepressants in biological fluids](#)

Advances in Sample Preparation, 13: 100145-1 - 100145-11, Published 2025.

**464.** Mirzaee Kalaei F, Hosseini SF, Rezaei M, **Yamini Y**, [Preparation and characterization of lyotropic liquid crystalline nanoparticles loaded with astaxanthin-rich oil from shrimp waste](#)

Food and Bioprocess Technology, 18, pages 2436–2446, Published 2025.

**463.** Zavar Mousavi, **Yamini Y**, Mostafa Ghaemmaghani M, [Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> MXene- polyaniline nanocomposite as an adsorbent in microextraction by packed sorbent for the analysis of parabens in water and juice samples](#)

Separation Science Plus, 7: e202400175-1 - e202400175-9, Published 2024.

**462.** Javadian G, **Yamini Y**, Zarghampour F, [Microfluidic electromembrane extraction followed by fluorescence detection based on digital image analysis of solid-state fluorophore: Easy and sensitive analytical procedure](#)

Microchemical Journal, 205: 111230-1 - 111230-10, Published 2024.

**461.** Meymivand A, Shirani M, **Yamini Y**, Shahhosseini S, Navvab Kashani M, Pourmehran O, Vreugde S,

[Polymeric membrane supports in electromembrane extraction: An overview of various options, methodologies, and modifications](#)

Trends in Analytical Chemistry, 181: 117994-1 - 117994-17, Published 2024.

**460.** Nasrollahi SS, **Yamini Y**, [In-tube solid-phase microextraction of polycyclic aromatic hydrocarbons from refinery water samples using UiO-66/polyacrylonitrile electrospun nanofibers followed by high-performance liquid chromatography-ultraviolet detection](#)

Journal of Separation Science, 47(18): 2400296-1 - 2400296-13, Published 2024.

**459.** Meymivand AR, Sahhosseini S, Navvab Kashani M, HMTShirazi R, **Yamini Y**,

Exploring the impact of polyvinylidene fluoride membrane physical properties on the enrichment efficacy of microfluidic electro-membrane extraction of acidic drugs  
Journal of Chromatography A, 1725: 464909-1 - 464909-10, Published 2024.

**458.** Sabahi Moosavi N, **Yamini Y**, Osooli P, Investigating drug abuse in hair samples using the electrospun PEDOT–CNT nanostructure along with EA-IT-SPME  
New Journal of Chemistry, 48: 7277–7286, Published 2024.

**457.** Ghaemmaghami M, **Yamini Y**, Three-Dimensional Network of Highly Uniform Cobalt Oxide Microspheres/MXene Composite as a High-Performance Electrocatalyst in Hydrogen Evolution Reaction  
ACS Applied Materials & Interfaces, 16: 18782–18789, Published 2024.

**456.** Nikdel M, Nezami AR, **Yamini Y**, Ghorbani Nezhad B, Nazaripour A, Baghani M, Rahimzadegan M, Optimized three-phase hollow fiber liquid-phase automated microextraction and its application in ultra-trace analysis of three pyrethroids in water and fruit samples using high-performance liquid chromatography-diode array detection  
Separation Science Plus, 7: 2300143-1 – 2300143-8, Published 2024.

**455.** Sabouri N, **Yamini Y**, Ehsani MR, Bakhoda H, Determination of volatile compounds in white brine cheese and ultrafiltered cheese during ripening and shelf-life using nano-adsorbent fibers  
Journal of Food Science and Technology, 61: 573–584, Published 2024.

**454.** Kefayati H, **Yamini Y**, Nasrollahi SS, A novel monolithic Zn/Cr-LDH composite for in-tube solid-phase microextraction of acidic herbicides from water samples  
Journal of Food Composition and Analysis, 128: 106019-1 - 106019-8, Published 2024.

**453.** Souri M., Salar Amoli H., **Yamini Y**, Three-dimensionally ordered porous In-doped SmFeO<sub>3</sub> perovskite gas sensor for highly sensitive and selective detection of Formaldehyde  
Sensors and Actuators B: Chemical, 404: 135213-1 - 135213-11, Published 2024.

**452.** Aghaziarati M, **Yamini Y**, Shamsayei M, Electrodeposited histidine-(CuCr)layered double hydroxides/carbon dots for in-tube solid-phase microextraction of chlorophenols from water, juice, and honey samples followed by HPLC-UV  
Talanta, 268: 125276-1 - 125276-1, Published 2024.

**451.** Osooli P, **Yamini Y**, Tabibpour M, Nasrollahi SS, Nikfarjam N, Electrophoretically deposited sulfonated poly (styrene-co-divinylbenzene) on a screw for microextraction of cationic dyes from aqueous solutions  
Journal of Separation Science, 46: 2300421-1 - 2300421-13, Published 2023.

**450.** Osooli P, **Yamini Y**, Tabibpour M, Sabahi Moosavi N  
Functionalized carbon nanotube-polyaniline composite coating for on-line microextraction on a screw coupled with high performance liquid chromatography to determine opium alkaloids

Microchimica Acta, 190: 464-1 - 464-11, Published 2023.

**449.** Amareh N, **Yamini Y**, Saeidi M, Dinmohammadpour Z, Nazraz M  
[Synthesis, characterization and application of ZIF-7@ZIF-67/PES for dispersive solid phase extraction of bisphenol A and 2-phenyl phenol](#)  
Talanta Open, 8: 100269-1 - 100269-10, Published 2023.

**448.** Sabahi Moosavi N, **Yamini Y**, [Growth of bimetallic Ni-Co MOFs on a skeleton of electrospun PAN nanofibers and coating on a thin film for SPME of amitriptyline and nortriptyline in urine and plasma samples](#)  
Journal of Pharmaceutical and Biomedical Analysis, 236: 115755-1 - 115755-9, Published 2023.

**447.** Sabahi Moosavi N, **Yamini Y**, Ghaemmaghani M, [MXene nanosheets woven in polyacrylonitrile nanofiber yarns aligned spider web as a highly efficient sorbent for in-tube solid phase microextraction of beta-blockers from biofluids](#)  
Journal of Chromatography A, 1706: 464232-1 - 464232-9, Published 2023.

**446.** Samadifar M, **Yamini Y**, Khataei MM, Shirani M, [Automated and semi-automated packed sorbent solid phase \(micro\) extraction methods for extraction of organic and inorganic pollutants](#)  
Journal of Chromatography A, 1706: 464227-1 - 464227-14, Published 2023.  
(Review)

**445.** Mahdi Khataei MM, **Yamini Y**, Karami M, Badiei A, Maya F, Breadmore M, [A miniaturized analytical system with packed epoxy-functionalized mesoporous organosilica for copper determination using a customized Android-based software](#)  
Microchimica Acta, **190**: 289-1 - 289-11, Published 2023.

**444.** Amareh N, **Yamini Y**, Saeidi M, Ghaemmaghani M, [Zeolitic imidazole framework-67 coated stainless steel fiber for solid-phase microextraction of some alcohols in alcoholic beverage samples](#)  
Chemical Papers, **77**: 4923–4934, Published 2023.

**443.** Nasrollahi SS, **Yamini Y**, [Green dispersive solid-phase microextraction of melamine using crosslinked beta-cyclodextrin with citric acid followed by high-performance liquid chromatography](#)  
Journal of Separation Science, 46: 2300132-1 - 2300132-9, Published 2023.

**442.** M Souri, Y Yamini, HS Amoli, [The synergistic effect of Ce dopant/Cotton bio-template on the performance of the SnO<sub>2</sub> gas sensor for the detection of Ethanol](#)  
Materials Science and Engineering: B, 294: 116501-1 - 116501-9, Published 2023.

**441.** Nasrollahi SS, Sabahi Moosavi N, **Yamini Y**, [Determination of parabens in different samples using green analytical chemistry approaches since 2015](#)  
TrAC Trends in Analytical Chemistry, 166: 117163-1 - 117163-12, Published 2023.  
(Review)

**440.** Samadifar M, **Yamini Y**, [Microextraction by Packed Sorbent of Some  \$\beta\$ -blocker drugs with chitosan@mof-199 bio-composite in human saliva, plasma, and urine samples](#)

Journal of Pharmaceutical and Biomedical Analysis, 234: 115520-1 - 115520-9, Published 2023.

**439.** Samadifar M, **Yamini Y**, Khataei MM, [Magnetically solid-phase extraction of diazinon and chlorpyrifos pesticides in vegetables using covalent triazine-based framework incorporated chitosan nanocomposite](#)

Journal of Food Composition and Analysis 118: 105158-1 - 105158-9, Published 2023.

**438.** Zavar Mousavi K, **Yamini Y**, Karimi B, Mansouri F, [A magnetic solid-phase extraction sorbent based on ionic liquid-derived nitrogen and sulfur co-doped ordered mesoporous carbon for the analysis of triazine herbicides in fruit juices](#)

Microchemical Journal 187: 108415-1 - 108415-8, Published 2023.

**437.** Ahmadi R, Adnan Azooz E, **Yamini Y**, Ramezani AM, [Liquid-liquid microextraction techniques based on in-situ formation/decomposition of deep eutectic solvents](#)

TrAC Trends in Analytical Chemistry, 161: 117019-1 - 117019-10, Published 2023. (Review)

**436.** Zamani R, **Yamini Y**, [On-chip electromembrane surrounded solid phase microextraction for determination of tricyclic antidepressants from biological fluids using poly\(3,4-ethylenedioxythiophene\)-graphene oxide nanocomposite as a fiber coating](#)

Biosensors, 13: 139-1 - 139-19, Published 2023.

**435.** Zarghampour F, **Yamini Y**, Alipanahpour Dil E, Shokrollahi A, Javadian G, [A new microfluidic-chip device followed by sensitive image analysis of smart phone for simultaneous determination of dyes with different acidic–basic properties](#)

Talanta, 254: 124168-1 - 124168-9, Published 2023.

**434.** Zanganeh F, **Yamini Y**, Khataei MM, Shirani M, [Determination of opiates in urine samples using a composite of covalent organic framework and polypyrrole as a sorbent for microextraction in a packed syringe combined with HPLC/UV](#)

Talanta Open, 7: 100183-1 - 100183-10, Published 2023.

**433.** Sabahi Moosavi N, **Yamini Y**, Tabibpour M, [Microextraction of organophosphorus pesticides on a screw coated with PAN/calcined ZnMgAl-LDH electrospun nanofibers](#)

Microchimica Acta, 189: 428-1 - 428-10, Published 2022.

**432.** Salamat Q, **Yamini Y**, [Application of nanostructured supramolecular solvent based on C12mimBr ionic liquid surfactant to direct extraction of some chlorophenols in soil and rice samples](#)

Journal of Molecular Liquids, 366: 120166-1 - 120166-8, Published 2022.

- 431.** Shamsayei M, **Yamini Y**, Asiabi H, [A novel diatomite supported layered double hydroxide as reusable adsorbent for efficient removal of acidic dyes](#)  
International Journal of Environmental Analytical Chemistry, 102: 1849-1865, Published 2022.
- 430.** Hashemlou Z, **Yamini Y**, Karami M, [An efficient configuration for simultaneous electromembrane extraction of acidic and basic drugs on a chip](#)  
Advances in Sample Preparation, 3: 100028-1 – 100028-9, Published 2022.
- 429.** Alidoust M, **Yamini Y**, Baharfar M, [Microfluidic paper-based analytical devices and electromembrane extraction; Hyphenation of fields towards effective analytical platforms](#)  
Analytica Chimica Acta, 1216: 339987-1 - 339987-10, Published 2022.
- 428.** Samadifar M, **Yamini Y**, Khataei MM, Badiei A, [Ethylenediaminetetraacetate functionalized ordered Santa Barbara Amorphous-15 mesoporous silica as an effective adsorbent for preconcentration of some heavy metals followed by inductively coupled plasma atomic emission spectrometry](#)  
Separation Science Plus, 5: 75-83, Published 2022.
- 427.** Nasrollahi SS, **Yamini Y**, Mani-Varnosfaderani A, [A green approach for in-tube solid phase microextraction of acidic red dyes from juice samples using chitosan/poly vinyl alcohol electrospun nanofibers](#)  
Journal of Food Composition and Analysis, 106: 104339-1 - 104339-7, Published 2022.
- 426.** Ramezani AM, Ahmadi R, **Yamini Y**, [Homogeneous liquid-liquid microextraction based on deep eutectic solvents](#)  
TrAC Trends in Analytical Chemistry, 149: 116566-1 - 116566-9, Published 2022.
- 425.** Mohammad Mahdi Khataei MM, Epi SBH, Lood R, Spégel P, **Yamini Y**, Turner C  
[A review of green solvent extraction techniques and their use in antibiotic residue analysis](#)  
Journal of Pharmaceutical and Biomedical Analysis, 209: 114487-1 - 114487-18, Published 2022. (Review)
- 424.** Zanganeh F, **Yamini Y**, Khataei MM, Badiei A,  
[Ethane-bridge periodic mesoporous organosilica materials as a novel fiber coating in headspace solid-phase microextraction of phthalate esters from saliva and PET container samples](#)  
Analytical and Bioanalytical Chemistry, 414: 2285–2296, Published 2022.
- 423.** Shamsayei M, **Yamini Y**, Asiabi H, [Synthesis and characterization of layered double hydroxide decorated zeolite as the efficient sorbent for removal of toxic metal ions](#)  
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Preconcentration of trace amounts of uranium in water samples on octadecyl silica membrane disks modified by bis(2-ethylhexyl) hydrogen phosphate and its determination by alpha-spectrometry without electrodeposition  
JOURNAL OF RADIOANALICAL AND NUCLEAR CHEMISTRY 242: 783-786, Published 1999

14. Ghiasvand AR, Hosseini M, Sharghi H, **Yamini Y**, Shamsipur M  
Solubilities of some hydroxyxanthone derivatives in supercritical carbon dioxide  
JOURNAL OF CHEMICAL AND ENGINEERING DATA 44: 1135-1138, Published 1999

13. Shamsipur M, Ghiasvand AR, **Yamini Y**  
Solid-phase extraction of ultratrace uranium(VI) in natural waters using octadecyl silica membrane disks modified by tri-n-octylphosphine oxide and its spectrophotometric determination with dibenzoylmethane  
ANALYTICAL CHEMISTRY 71: 4892-4895, Published 1999

12. Raoufi F, **Yamini Y**, Sharghi H, Shamsipur M  
Solid-phase extraction and determination of trace amounts of lead(II) using octadecyl silica membrane disks modified with a recently synthesized anthraquinone derivative and atomic absorption spectrometry  
MICROCHEMICAL JOURNAL 63: 311-316, Published 1999.

11. **Yamini Y**, Tamaddon A  
Solid-phase extraction and spectrophotometric determination of trace amounts of copper in water samples  
TALANTA 49: 119-124, Published 1999

10. Fat'hi MR, **Yamini Y**, Sharghi H, Shamsipur M

Solubilities of some recently synthesized 1,8-dihydroxy-9,10-anthraquinone derivatives in supercritical carbon dioxide  
TALANTA 48: 951-957, Published 1999

9. **Yamini Y**, Fat'Hi MR, Alizadeh N, Shamsipur M  
Solubility of dihydroxybenzene isomers in supercritical carbon dioxide  
FLUID PHASE EQUILIBRIA 152: 299-305, Published 1998

8. Fat'hi MR, **Yamini Y**, Sharghi H, Shamsipur M  
Solubilities of some 1,4-dihydroxy-9,10-anthraquinone derivatives in supercritical carbon dioxide  
JOURNAL OF CHEMICAL AND ENGINEERING DATA 43: 400-402, Published 1998

7. **Yamini Y**, Alizadeh N, Shamsipur M  
Solid phase extraction and determination of ultra trace amounts of mercury(II) using octadecyl silica membrane disks modified by hexathia-18-crown-6-tetraone and cold vapour atomic absorption spectrometry  
ANALYTICA CHIMICA ACTA 355: 69-74, Published 1997

6. **Yamini Y**, Alizadeh N, Shamsipur M  
Separation of barium from alkali and alkaline earth metal ions using octadecyl silica membranes modified by dibenzo-18-crown-6  
SEPARATION SCIENCE AND TECHNOLOGY 32: 2077-2085, Published 1997

5. **Yamini Y**, Shamsipur M  
Extraction and determination of crown ethers from water samples using a membrane disk and gas chromatography  
TALANTA 43: 2117-2122, Published 1996

4. Ashrafkhorassani M, Gidianian S, **Yamini Y**  
Effect of pressure, temperature, modifier, modifier concentration, and sample matrix on the supercritical-fluid extraction of different phenolic-compounds  
JOURNAL OF CHROMATOGRIC SCIENCE 33: 658-662, Published 1995

3. ASHRAFKHORASSANI M, BARZEGAR M, **YAMINI Y**  
Online coupling of supercritical-fluid extraction with high-performance liquid-chromatography  
HRC-J HIGH RESOLUTION CHROMATOGRAPHY 18: 472-476, Published 1995

2. **Yamini Y**, Ashrafkhorassani M  
Extraction and determination of linear alkylbenzenesulfonate detergents from the aquatic environment using a membrane disk and gas chromatography  
HRC-J HIGH RESOLUTION CHROMATOGRAPHY 17: 634-638, Published 1994

1. **Yamini Y**, Ashrafkhorassani M  
Evaluation of octadecyl-bonded silica membrane disks for extraction of surfactants from water  
FRESENIUS JOURNAL OF ANALYTICAL CHEMISTRY 348: 251-252, Published 1994

### XIII. INDEPENDENT PROJECTS

Row	Title	colleagues	Date
1	Preconcentration of trace amounts of beryllium in water samples on octadecyl silica cartridges modified by quinalizarine and its determination with atomic absorption spectrometry	Y. Yamini, J. Hassan, R. Mohandesi, N. Bahramifar	Nov. 2002
2	Extraction of Co, Ni and Cd from wastes of Zanjan zinc factories	Y. Yamini, N. Dallali, S.M. Zahedi	Sep. 2004
3	Headspace solvent microextraction or direct solvent microextraction and gas chromatographic determination of trace amounts of organic pollutants such as plasticizers and organophosphorous pesticides in mineral and farm water samples	Y. Yamini, M. Ghambarian,	Feb. 2009
4	Automated hollow fiber liquid-phase microextraction and its applications for extraction of trace amounts of pollutants	Y. Yamini, A. Esrafil	April 2012
5	Development of electrical driving force based microextraction technique followed by HPLC-UV for differentiation of gelatin origin in foods and drugs	Y. Yamini, M. Rezazadeh, S. Seidi, A. Aghaei	Jan. 2014
6	Pilot plant production of essential oils of Zataria multiflora, mentha pulegium and Foeniculum vulgare by supercritical carbon dioxide	Y. Yamini, H. Asiabi	Feb. 2015
7	Design lab on a chip and application of microfluids for extraction of target analytes from biological matrixes and synthesis of double layered hydroxides for selective extraction of the analytes.	Y. Yamini, M. Shamsayei, M. Karami	Nov 2017
8	Application of in-tube micro-solid phase extraction based on layered double hydroxide and conductive polymer nanocomposites in quantitative determination of environmental contaminants	Y. Yamini, M. Lashgari	
9	Electromembrane extraction via microfluidic devices	Y. Yamini, F. Zarghampour	2018
10	Introduction of new extraction method based on electrochemical 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	Y. Yamini, Amir M. Ramezani	2020
11	Fabrication of new fibers based on functionaled mesoporous silica and their applications in solid phase microextraction	Kobra Zavvar Mousavi	2021
12	Synthesis of MXenes nanocomposites and their applications as coating in solid phase microextraction.	Mostafa Ghaemmagami	2021
13	Magnetic core-shell nanoparticles modified with hydrophilic ionic liquids and magnetic ordered mesoporous carbons as sorbents for microextraction methods	Kobra Zavvar Mousavi	2023
14	Direct determination of Li in brine samples related to Potase Khor va Biabanak Co. by ICP-OES.	Y. Yamini, H. Kefayati, R. Hassani	2023

### XIII. SUPERVISOR FOR MSc STUDENTS

Row	Title	Student	Date
1	I. Solid phase extraction and spectrophotometric determination of trace amounts of copper in water samples II. sensing of trace amounts of iron by solid phase extraction spectrophotometry	Atefeh Tamaddon	1998
2	I. Solid phase extraction and spectrophotometric determination of trace amounts of iron in water samples II. Solid phase extraction and spectrophotometric determination of linear alkylbenzenesulfonats in water samples	Nayyere Amiri	1999
3	Solubility determination of some polycyclic aromatic hydrocarbons in	Nader	Sep.

	<b>supercritical carbon dioxide</b>	<b>Bahramifar</b>	<b>1999</b>
4	<b>Study of solubility and extraction of some nitrogen containing drugs (sedative and hypnotic) in supercritical carbon dioxide</b>	<b>Jalal Hassan</b>	<b>Sep. 2000</b>
5	<b>I. Separation, preconcentration and determination of trace amount of Mo by using solid phase extraction II. Extraction of effective components of some drugs by using carbon dioxide supercritical fluid</b>	<b>Aziz Garmroodi</b>	<b>Sep. 2000</b>
6	<b>Headspace solvent microextraction and extraction and preconcentration iodide by solid phase extraction</b>	<b>Mohammad Hojjaty</b>	<b>Sum mer 2001</b>
7	<b>Extraction of drugs with supercritical carbon dioxide</b>	<b>M. Asghari Khiavi</b>	<b>Sep. 2001</b>
8	<b>Solid phase extraction and spectrophotometric determination of race amounts of zirconium and lead ions in various samples</b>	<b>Mostafa Khajeh</b>	<b>June 2001</b>
9	<b>I. Extraction of essential oil from perovskia atriplicifolia and foeniculum vulgar using supercritical fluid extraction and distillation method II. Supercritical fluid extraction of bismuth, palladium and manganese ions using cynax 301</b>	<b>Seyyed Mahdi. Pourmortazavi Ardakani</b>	<b>July 2001</b>
10	<b>I. Solid phase extraction and spectrophotometric determination of trace amounts of Ni, Co, Zn in water samples II. solid phase extraction and spectrophotometric determination of linear alkylbenzenesulfonats</b>	<b>M. Yazdan</b>	<b>2001</b>
11	<b>Solubility investigation of phenazopyridine, propanolol and methimazole in supercritical carbon dioxide and headspace solvent microextraction of BTEX from aqueous samples</b>	<b>Jabber Arab</b>	<b>Aug. 2002</b>
12	<b>Headspace solvent microextraction of Halocarbons from water samples and Solid phase method for determination of trace amounts of Zn 2+ and Co 2+ in water samples</b>	<b>Majid Haji Hosseini</b>	<b>Sum mer 2002</b>
13	<b>Solid phase extraction and simultaneous spectrophotometric determination of trace amounts of copper and iron ions using mixture of ligands and solid phase extraction and simultaneous spectrophotometric determination of trace amounts of cobalt , nickel , and copper by multivariate calibration method of SIMPLS and PLS.</b>	<b>Leila Hejazi</b>	<b>Autu mn 2002</b>
14	<b>Solid phase extraction, HPLC separation and determination of cobalt, copper and iron metal ions</b>	<b>A. Irandoost</b>	<b>Autu mn 2003</b>
15	<b>(I) Trace enrichment of Co 2+ , Cu 2+ and Ni 2+ by SPE and their determination with ICP (II) Investigation on the solubility of some disperse azo dyes in supercritical carbon dioxide</b>	<b>Javad Fasihi Ramandi</b>	<b>Sep. 2003</b>
16	<b>Headspace solvent micro extraction gas chromatographic determination of some polycyclic aromatic hydrocarbon in sample water</b>	<b>S. Shariati</b>	<b>Sep 2003</b>
17	<b>liquid-solid extraction of fatty acids of some variety of Iranian rice in closed vessel in the absence and presence of ultrasonic waves</b>	<b>M. R. Babaei</b>	<b>Jan. 2004</b>
18	<b>The use of 2,3-dihydro-9,10-dihydroxy anthracene-1,4-dion for on-line solid phase extraction and simultaneously determination of heavy metal ions in ICP-AES</b>	<b>Ehsan Salamifar</b>	<b>Sep. 2005</b>
19	<b>Extraction and preconcentration of n-alkenes from water samples using headspace solvent microextraction and gas chromatographic determination.</b>	<b>M. R. Khalili Zanjani</b>	<b>Sep. 2005</b>
20	<b>Extraction of volatile compounds of two medicinal plants by headspace solvent microextraction an optimization of working conditions by the taguchi method</b>	<b>Masoumeh Dolatshahi pour</b>	<b>Sep. 2005</b>
21	<b>Comparison of essential oil composition of medicinal plants such as Artemisia Siberia 1,2, Artemisia scoparia and Nepta macro siphon obtained by supercritical fluid carbon dioxide and hydrodistillation Supercritical fluid carbon dioxide extraction of ZrO<sup>2+</sup> and HfO<sup>2+</sup></b>	<b>Ensieh Ghasemi</b>	<b>Sep. 2005</b>

22	extraction and preconcentration of organ chlorine pesticides from water samples using liquid phase microextraction and gas chromatography	H. Farmahini Farahani	SEP2006
23	Determination of uranium and thorium in natural waters by ICP-OES with on-line adsorption preconcentration by 2,3-dihydro 9,10-dihydroxy 1,4 anthracene dion	Ghazaleh Daneshvar Tarigh	SEP. 2006
24	Liquid phase microextraction and gas chromatographic determination of Se and BTEX in aqueous solutions	Masoume Sarkouhi	SEP. 2006
25	Extraction of Pt (IV) , Re (VII) and Ti (VI) by supercritical CO <sub>2</sub> modified with cyanex 301 and extraction and measurement of total inorganic selenium in aqueous samples by on-line SPE ICP-AES	Abolfazl Saleh	SEP. 2006
26	Development of cloud point extraction for determination of gold and palladium using inductively coupled plasma-optical emission spectroscopy and determination of polycyclic aromatic hydrocarbons in water by homogeneous liquid- liquid extraction and gas chromatography	Laleh Tavakoli	Sep. 2006
27	On-line cloud point and solid phase extraction and ICP-OES determination of some of transition metal ions	M. Faraji	Sep. 2007
28	The application of hallow fiber microextraction for extraction and per concentration of some anti depressant and anti bacterial drugs	Ali Esrafil	2008
29	Headspace solvent microextraction a very rapid method for extraction preconcentration and identification of volatile compounds of medicinal plants	Abbas Besharati Seidani	Sep. 2004
30	Application of hallow fiber liquid phase micro extraction for determination of some antifugal drugs and investigation on the solubilities of some isperse azo in supercritical fluids	Morteza Moradi Alborzi	July 2009
31	Extraction of trace amount of pioglitazone with hallow fiber liquid phase micro extraction and determination by HPLC/UV and removal of an anionic dye (Reactive blue 19) by cetyltrimethylammonium bromide (CTAB) modified Fe <sub>3</sub> O <sub>4</sub> nanoparticles from wastewater	Elham Tahmasebi	July 2009
32	Application of headspace and direct single drop microextraction for extraction biphenyl and biphenyl oxide in aqueous samples and determination by gas chromatography	Maryam Sarkhosh	Nov 2008
33	Removal of some disperse dyes from aqueous solutions and extraction of some antidepressant drugs from biological samples solutions using magnetite nanoparticles	Ali Asghar Rajabi	July 2010
34	Applications of liquid-solid extraction coupled with dispersive liquid-liquid microextraction for determining of pollutants in solid samples	Mohammad Hossein Naeni	July 2010
35	Dispersive liquid-liquid microextraction followed by gas chromatography-flame ionization detection for determination of amitraz and organochlorine pesticides in various samples	Mostafa Bashiri Juybari	Oct. 2010
36	Hollow fiber based electromembrane extraction followed by high performance liquid chromatography for extraction and determination of mebendazole in aqueous solution	Mahboube Eskandari	Sep. 2010
37	Removal of Zn, Ni and Cu from water and wastewater samples by Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles	Mahnaz Adeli	Sep. 2010
38	Microextraction of Trace Amounts of Metal Ions in Water Samples and Folic Acid in Biological Samples	Leila Ranjbar-Shourabi	Nov. 2010
39	Microextraction of phosphorus toxics in water and soil samples	Yaser Abdollahzadeh	Nov. 2010
40	Application of hollow fiber membranes followed by HPLC for extraction and determination of antifungal drugs in biological fluids	Narges Salehi	Feb. 2011
41	Microextraction of nalmefene, naltrexone, salbutamol and terbutaline from biological and environmental samples based on electromembrane isolation	Maryam Rezazadeh Bana	June 2011
42	Extraction of trace amount of azole antifungal drugs and antibiotics using liquid phase microextraction from biological fluids	Behnam Ebrahimpour	June 2011
43	Development three phase microextraction method based on hollow fiber for extraction and determination of cocaine, ketamine and	Rouhollah Feizbakhsh	Sep. 2011

	<b>lidocaine from aqueous solutions</b>		
44	<b>Hollow fiber-based electro membrane extraction followed by high-performance liquid chromatography for extraction &amp; determination of ephedrine in biological fluids</b>	<b>Saeedeh Molaee</b>	<b>Sep. 2011</b>
45	<b>Removal of nitrate from industrial wastewater and extraction of nitrate and lanthanides by magnetic nanocomposite of activated carbon</b>	<b>Fateme Tajabadi</b>	<b>Sep. 2011</b>
46	<b>Extraction of chlorophenoxy acid herbicides from environmental sample by supramolecular solvent and determination of perogestic drugs solubility in supercritical carbon dioxide</b>	<b>Moslem Tayyebi</b>	<b>July 2012</b>
47	<b>Application of electromembrane extraction for preconcentration some of alkaloids and pyridine derivatives</b>	<b>Ali Pourali</b>	<b>December 2012</b>
48	<b>Extraction of sulfonylurea herbicides from solid samples by combination of supercritical fluid technology and extraction by nanometric aggregations of decanoic acid and solubility determination of some steroids drugs in supercritical carbon dioxide</b>	<b>Hamid asiabi</b>	<b>May 2013</b>
49	<b>Simultaneous extraction of some <math>\beta</math>-blocker drugs and pyridine derivatives from biofluids by electromembrane extraction</b>	<b>Leila Arjomandi Behzad</b>	<b>June 2013</b>
50	<b>Application of solid-phase extraction combined with dispersive liquid-liquid microextraction for extraction ultra-trace amount of benzodiazepines in fruit juices and biological samples.</b>	<b>Masoumeh Gobadi</b>	<b>July 2013</b>
51	<b>Application of hollow fiber liquid phase microextraction for preconcentration and determination of harmonic drugs and two herbicides in real samples.</b>	<b>Mohammad Tajiki</b>	<b>June 2014</b>
52	<b>Development of microextraction method based on the coupling of electromembrane extraction and solid phase microextraction.</b>	<b>Elham Mohammadkhani</b>	<b>June 2014</b>
53	<b>Extraction of trace amounts of Cr(VI) and paraquat by ionic liquid modified silica coated magnetic nanoparticles</b>	<b>Farzad Latifeh</b>	<b>Sep. 2014</b>
54	<b>Application of self-assembled benzyl mercaptan coated fibers and manganese dioxide-polypyrrole nanocomposites in electromembrane solid phase microextraction</b>	<b>Maryam Shamsayei</b>	<b>May 2015</b>
55	<b>Synthesis of Magnetic nanoparticles coated with ionic liquids and polythiophene – polypyrrole nanocomposites as a superior sorbent for extraction some of nonsteroidal anti-inflammatory drugs and organophosphorus pesticides</b>	<b>Maryam Amiri</b>	<b>July 2015</b>
56	<b>Application of hollow fiber liquid phase microextraction for preconcentration and determination of benzodiazepine drugs, aromatic amines and organophosphorus pesticides in real samples</b>	<b>Ali Nazaripour</b>	<b>Jan 2016</b>
57	<b>Nanocomposite coating synthesis and application in headspace solid phase microextraction to extract <i>n</i>-alkanes and phthalate esters from aqueous samples</b>	<b>Mahsa Nazraz</b>	<b>June 2016</b>
58	<b>Application of deep eutectic solvent and quaternary ammonium salts in hollow fiber liquid phase microextraction for extraction and preconcentration of steroidal hormones from biological fluids and triazine herbicides from environmental samples</b>	<b>Mahdi Khataei</b>	<b>July 2016</b>
59	<b>Electromembrane extraction via microfluidic devices</b>	<b>Mahrou Baharfar</b>	<b>July 2017</b>
60	<b>Synthesis of metal organic frameworks on the surface of adsorbents and their application for extraction of amounts of ultratrace environmental pollutants</b>	<b>Mehrzaad Shakourian</b>	<b>Sep. 2017</b>
61	<b>Synthesis of new absorbents based on layer double hydroxides and their application for removal of environmental pollutants</b>	<b>Payam Omid</b>	<b>Sep. 2018</b>
62	<b>Preparation of copper-aluminum and magnesium-aluminum layered double hydroxides and their application for electromembrane</b>	<b>Ghazaleh Javadian</b>	<b>Jan 2019</b>

	extraction of biological samples and removal of heavy metals		
63	In-tube solid phase microextraction based on layered double hydroxide for preconcentration and measurement of phthalate esters and chlorophenols	Mohsen Aghaziarati	July 2019
64	Magnetic nanoparticles solid phase extraction on microfluidic system for organic compound	Farahmandi Maryam	Nov. 2019
65	Synthesis and application of mesoporous and microporous compound as adsorbent in solid phase microextraction methods	Fatemeh Zanghaneh	Jan. 2021
66	Design and application of a lab on a chip for simultaneous extraction of drugs with different properties using electromembrane extraction	Zohreh Hashemlou	Jan. 2021
67	In-tube solid-phase microextraction based on conductive polymers nanocomposites for extraction trace amounts of drugs from biological samples	Hanie Kefayati	Feb. 2021
68	Synthesis of nanoparticle adsorbents and their applications for extraction of trace amounts of triazines and parabens compounds	Maedeh Saadat	Sep. 2021
69	The effect of variation of acceptor phase on on-chip electromembrane extraction	Razieh Zamani	Mar 2022
70	Using Micro-extraction on a Screw Coupled with HPLC to Extract and Measure Some Cationic Dyes and Illicit opioids	Payam Osouli	July 2022
71	synthesis of mesoporous silica nanoparticles on the surface of solid substrate and their application in extraction of ultratrace amounts of pollutant	Ahad Manafi	July 2022
72	Application of the electrospun fibers for in-tube solid phase microextraction of contaminants and drugs such as fungicides	Saeed Pourhosseini	Sep. 2022
73	Application of thin film in acceptor phase of electromembrane extraction of some cationic dyes aqueous solutions	Simin Darabi	Jan 2023
74	In-tube solid phase microextraction method accumulated with pencil leads for extraction and preconcentration of organic pollutants and drugs in environmental and biofluid samples	Seyedeh Mohadeseh Jalali	Jan 2024
75	Preparation of modified graphite screw and its applications in the extraction of organic pollutants and pharmaceuticals	Fatemeh Rastgoo	Jan 2024
76	Microextraction of linear alkyl benzene sulphonates on Teflon screw and separation and measurement by highperformance liquid chromatography	Marzeyeh Esfandiyari dolabi	Feb 2024
77	Synthesis of nano adsorbent and their applications in in-tube solid phase microextraction for extraction trace amounts of drugs from biological samples	Neda Rahmani	Feb 2025
78	Lab-on-a-chip based on electromembrane for extraction of anticancer drugs in biological samples	Mehdi Bagheri	Feb 2025
79	Extraction and determination of peptide-based anticancer drugs using a lab-on-a-chip	Raheleh Nikandish	Nov. 2025

## XV. SUPERVISOR FOR PhD STUDENTS

Row	Title	Student	Date
1	Comparative investigation of chemical composition of volatile oil from five Iran aborigine (menthe type) by using super critical fluid and water distillation	Nasrin Aghel	2002
2	I) Solid phase extraction and spectrophotometric determination of metal ions using multivariable calibration II) Supercritical fluid extraction and determination of organic compounds in different matrices III) Highly selective and efficient transport of bismuth in bulk liquid	Homeira Ebrahimzadeh	July 2002

	membranes containing Cyanex 301		
3	Extraction of drugs from different matrices using supercritical fluid extraction and solid phase extraction and ICP-OES determination of metal ions in aqueous samples	Nader Bahramifar	Jan 2004
4	I) Application of supercritical carbon dioxide in complete or selective extraction of essential oil components of <i>Ferula assafoetida</i> , <i>Carum copticum</i> and other plants II- Headspace solvent microextraction and gas chromatographic determination of trace amounts of chlorobenzenes in water samples and extraction of Se using MIP	Mostafa Khajeh	July 2006
5	Development of three phase LPME, solid phase extraction and cloud point extraction for preconcentration and determination of drug compounds and metals ions	Shahab Shariati	June 2008
6	development of application of microextraction methods for the extraction and determination of alcohols and drug compound	Hamid Reza Sobhi	December 2008
7	Study of the capability of supercritical carbon dioxide for extraction of some pigments and drugs and development application of hollow fibers for extraction of some environmental pollutants	Mohammah Hojjaty	Oct. 2009
8	Synthesis, surface modification and applications of magnetic nanoparticles for extraction and removal of some pigment, metal ions and drugs from aqueous samples	Mohammad Faraji	Sep. 2010
9	Development of dispersive liquid-liquid microextraction technique and considering the application of it for extraction and separation of zirconiumhafnium by using suitable complexing agent	Mohammad Rezaee	Nov. 2010
10	Development of a new ultrasound-assisted emulsification microextraction method for determination of some pollutants in water samples	Abolfazl Saleh	Feb. 2011
11	Development of a new extraction method based on three-phase microextraction using hollow fiber for extraction and determination of some pollutants	Mahnaz Ghambarian	July. 2011
12	Development of new dynamic extraction methods based on using hollow fiber and evaluation of their applications for extraction of pollutants from solid matrix	Ali Esrafil	May 2012
13	Application of electrical driving force in microextraction techniques based on hollowfiber	Shahram Seidi	May 2012
14	Development of a new dispersive liquid-liquid microextraction based on ionic surfactant and coupling of supercritical fluid extraction and dispersive liquid-liquid microextraction for complicated matrices	Morteza Moradi Alborzi	Jun 2012
15	Synthesis and application of coated magnetite nanoparticles with polymers in extraction and preconcentration of organic analytes and cations	Elham Tahmasebi	May 2013
16	Application of supramolecular solvents based on nano and micro structure aggregation of alkyl carboxylic acid for liquid microextraction of drugs and cations from complex matrices	Fatemeh Rezaei	June 2014
17	Development of Pulse electromembrane and EC-SPME methods	Maryam Rezazadeh	Oct

		<b>Bana</b>	<b>2014</b>
<b>18</b>	<b>Emulsification liquid phase microextraction on-line coupled to high performance liquid chromatography</b>	<b>Behnam Ebrahimpour</b>	<b>Feb. 2015</b>
<b>19</b>	<b>Application of magnetic nanoparticles and ultrasound for extraction of natural products and some pollutants from various matrices</b>	<b>Manijeh Kandi Dayeni</b>	<b>Feb. 2015</b>
<b>20</b>	<b>Extraction and preconcentration of organic analytes and heavy metals by using of magnetite nanoparticles or metal organic framework</b>	<b>Meysam Safari</b>	<b>April 2016</b>
<b>21</b>	<b>Design of Dynamic Electromembrane Extraction</b>	<b>Yousef Abdossalami Asl</b>	<b>July 2016</b>
<b>22</b>	<b>Development of liquid phase microextraction method based on hollow fiber membrane for extraction and determination of ultra-trace amounts of antibiotic and statin drugs in biological and animal origin food samples</b>	<b>Maryam Tajabadi</b>	<b>Aug 2016</b>
<b>23</b>	<b>Preparation of new in-tube solid phase microextraction tubes based on conductive polymers nanocomposites and their application for extraction of nonvolatile components</b>	<b>Hamid Asiabi</b>	<b>Nov 2016</b>
<b>24</b>	<b>Preparation of new solid phase microextraction fibers such as zinc oxide nanocomposites and their application for extraction of volatile components</b>	<b>Hatam Amanzadeh</b>	<b>Mar 2017</b>
<b>25</b>	<b>Development of micro-extraction methods for determination of trace amounts of food dyes, drugs and environmental pollutants</b>	<b>Mohammad Bazregar</b>	<b>Jan 2018</b>
<b>26</b>	<b>Formation of nanostructured supramolecular aggregates from Gemini surfactants and their applications in microextraction techniques</b>	<b>Neda Feizi Gilandeh</b>	<b>Mar 2018</b>
<b>27</b>	<b>Extraction of organic pollutants and speciation of metal ions by microextraction methods based on hollow membranes modified with organic solvent or nanocomposite</b>	<b>Mahnaz Nozhour Yazdi</b>	<b>Jun 2018</b>
<b>28</b>	<b>Preparation of some nanostructured supramolecular solvents based on ionic liquid, alkanol and decanoic acid surfactants and their applications in liquid phase microextraction techniques</b>	<b>Qamar Salamat</b>	<b>Jan 2019</b>
<b>29</b>	<b>In-tube solid phase microextraction based on nanocomposites consisting conductive polymers and layered double hydroxide</b>	<b>Maryam Shamsayei</b>	<b>Jan 2019</b>
<b>30</b>	<b>Electromembran and dispersive liquid-liquid microextraction on a chip</b>	<b>Monireh Karami</b>	<b>Sep. 2019</b>
<b>31</b>	<b>Preparation of new solid phase microextraction fibers based on carbon and polymer nanocomposites</b>	<b>Mostafa Ghaemmagami</b>	<b>Sep. 2019</b>
<b>32</b>	<b>Application of magnetic ionic liquid and mesostructures functionalized with ionic liquid in microextraction methods</b>	<b>Kobra Zavar Mousavi</b>	<b>Sep. 2020</b>
<b>33</b>	<b>Synthesis and applications of green extractants for removal and trace determination of some organic pollutants</b>	<b>Mahsa Nazraz</b>	<b>Jan. 2021</b>
<b>34</b>	<b>Porous framework-based nanocomposite adsorbents for extraction and removal of environmental pollutants including dyes, phthalate esters, and copper ion</b>	<b>Mohammad Mahdi Khataei</b>	<b>Nov. 2021</b>
<b>35</b>	<b>Design and fabrication of new solid phase microextraction apparatus based on nanostructures and their applications for extraction and analysis of pollutants and biomarkers</b>	<b>Mahmoud Tabibpour Dizaji</b>	<b>Jan 2022</b>
<b>36</b>	<b>Development of the state-of-art Microfluidics for On-Chip Sample</b>	<b>Mina Alidost</b>	<b>Jan.</b>

	Preparation		2022
37	Electrochemical synthesis of metal oxides, metal sulfides and layered double hydroxides and their applications in extraction of some pollutants and drugs from aqueous solutions and biological samples	Zeinab Dinmohamma dpour	June 2022
38	Synthesis of organic-inorganic hybrid absorbent and their applications in solid phase microextraction of some pollutants in environmental and food samples	Sara Nasrollahi	Jan 2023
39	Synthesis of porous materials based on triazines, metal-organic frameworks, and silica and their applications in micro solid-phase extraction of cations, some pesticides, drugs, and parabens	Mahsa Samadifar	April 2023
40	Development of solid phase microextraction by modified electrospun nanofibers with organic and inorganic composites	Negar Sabahi Moosavi	Sep. 2024
41	Synthesis and applications of deep eutectic solvent and covalent organic framework and their applications in coatings of fibers for headspace solid phase microextraction	Mehri Beiranvand	July 2025
42	Microextraction by packed sorbent based on the layered double hydroxide for extraction of some drugs and organic pollutants	Maedeh Saadat	Feb. 2026

## XVI. ADVISOR

Row	Title	PhD/MSc	Student	Date
1	I- Solid phase extraction of some metallic cations using octadecyl silica (ODS) membrane disks modified by new ligands II- Solubility study of some organic compounds in supercritical fluid carbon dioxide (SF-CO <sub>2</sub> ) and extraction of uranium using SF-CO <sub>2</sub> modified with different co-extractants	PhD	Ali Reza Ghiasvand	Jan 2000
2	Determination of PAHs in traditional breads and exhaust of beakers	MSc	Amir Hossein Amiri Maged	Mar. 2000
3	Design of new analytical methods for the determination of trace amounts of environmental pollutants using electrochemical and spectroscopic techniques	PhD	Mohsen Barzegar Bafroee	Summer 2001
4	I) solid phase extraction-spectrophotometric determination of uranium(VI) in natural waters II) copper transport through bulk liquid membranes by piroxicam	MSc	Darioush Mohammadzadeh Colaei	Dec. 2001
5	Applications of solid and liquid membranes for separations of Cations	PhD	Farhad Raoufi	Jul. 2002
6	Determination of linear alkylbenzenesulfonates (LASs), by using an anionic surfactant sensor, based on poly pyrrole polymer	MSc	Hasan Khodaei Tazekendi	2003
7	Study and development of method for separation of <sup>99m</sup> Tc produced by the reaction <sup>100</sup> Mo → <sup>99m</sup> Tc	MSc	Manoochehr Ghanbari	Feb. 2003
8	Determination of solubilities of some drugs in supercritical CO <sub>2</sub>	PhD	Alireza Karami	Sep. 2003
9	Supercritical fluid disruption of ralstonia eutropha for poly(hydroxylbutyrate) recovery	PhD	K. Khosravi Drani	July 2004
10	Separation of Co and Ni ions by using liquid-liquid extraction and transport into liquid membrane with orhano phosphoric and ammonium ligands	MSc	morteza Javaheri	Oct. 2004
11	Mercury removal from chlor-alkali industries wastewater using cellulose of acetobacter xylinum	PhD	J. Derayat	Jun. 2005

12	Simultaneous preconcentration of Ni, Co, Pb and Zn by cloud point extraction – for determination with atomic absorption spectrometry and investigation of related on-line system	MSc	Mir Mahdi Zahedi	Sep. 2005
13	Applications of bipolar electrodes in rechargeable batteries and applications of flow injection analysis in chemical determinations	PhD	Hassan Karami	Sep. 2005
14	Determination of fentanyl by assign liquid phase microextraction coupled with HPLC-UV	MSc	Amir Gholizadeh	2006
15	Determination of tramadol in human plasma using liquid phase microextraction with back extraction combined with high performance liquid chromatography	MSc	A. Sedighi	April 2007
16	Development of trace amount immunoaffinity SPME probes for analysis of dizepam and oxapam and determination of trace amount of cobalt, cadmium and Zink by cathodic adsorptive stripping voltammetry	PhD	Maryam Rajabi	May 2007
17	Hydrometallurgical production of nano powder of zinc oxide from Silicate-Oxide minerals	PhD	Javad Mogaddam	Jun 2007
18	Preparation and application of liquid and solid phase films in microextraction techniques for analysis of organic compound in water, soil and pharmaceutical formulation sample by GCMS and IMS	PhD	Abdoreza Mohammadi	Nov. 2007
19	Investigation of oxidation of Aspirin, Acetaminophen and Guaifenesin at glassy carbon modified with cobalt oxide and carbon nanotubes	MSc	Melodi Hoshmand	Nov. 2007
20	Nano structure polypyrrole as a stationary phase for solid phase microextraction	MSc	S. Kasraee Gillakojani	2008
21	Study on the effects of aqueous and organic extract of <i>Allium hirtifolium</i> Biss. And its extracted compound (Allicin) on brain microtubules and HeLa cell line (in vitro)	PhD	H. Ghodrati Azadi	2008
22	Application of microextraction methods for the analysis of residual toxicants (pesticides, metals,...)	PhD	Jallal Hassan	Dec. 2008
23	Separation, preconcentration and quantitative determination of trace concentrations of U(VI) and Bi(III) by bulk liquid membrane and floatation extraction followed by ICP-OES	PhD	Reza Davarkhah	Mar. 2009
24	Preparation of columns for separation of enantiomers	PhD	Asem Abodollahpour	Apr. 2011
25	Determination of fluorine and phosphorous containing compounds (pesticides, pharmaceuticals, etc.) in different samples by NMR	PhD	Masumeh Sarkouhi	Jan 2012
26	Microdetermination of methenamine in the presence of formaldehyde by solid phase spectrometry	MSc	Ali Moloudi	March 2012
27	Synthesis of Fe <sub>3</sub> O <sub>4</sub> nanoparticles and Its Performance comparison with Fe <sub>3</sub> O <sub>4</sub> modified with chitosan in the removal of hexavalent chromium and Humic acid from aqueous solutions	MSc	Adel Ahmadzadeh	Mar 2013
28	Application of simultaneous derivatization and microextraction followed by chromatographic-	PhD	Mohammad Taghi Naseri	June 2013

	mass spectrometric techniques for identification and determination of some metabolites and biomarkers in humane body fluids.			
29	Microextraction and determination of diclofenac and diphenhydramine as acidic and basic drugs simultaneously using magnetic nanosorbent and tramadol by surfactant assisted organic drop	MSc	Narges Mollazadeh	Sep. 2013
30	Determination of nitrazepam using a magnetic nanosorbent and determination of methadone by solvent bar microextraction	MSc	Fatemeh Mirbabaei	Sep. 2013
31	Synthesis and application of modified magnetic nanosorbents in extraction and preconcentration of Ni(II) and desipramine, venlafaxine and clomipramine drugs	MSc	Nilofar Jalilian	August 2015
32	Synthesis and application of magnetic nanosorbents and supramolecular nanosolvent for coextraction of acidic, basic and amphiprotic pollutants and selected non-steroidal anti-inflammatory and antihypertensive drugs	PhD	Ali Akbar Asgharinezhad	March 2016
33	Three phases HF-LPME combined with HPLC-DAD for extraction, preconcentration and determination of pyrethroid pesticides in rice samples	MSc	Ali Asadi	Sep. 2016
34	Mechanosynthesis of new nano metal-organic frameworks with amidic and urea ligands as pillar and investigation their application in adsorption and extraction of heavy metal ions	MSc	Leili Esrafil	Jan 2017
35	Investigation of the effects of the chemical composition of motor oils on the value of their viscosity index using HS-SPME-Gas chromatography and PLS as a multivariate calibration technique	MSc	Samaneh Ehsani	July 2017
36	Elimination of interference from return water of floatation industry by using electrical and ultrasonic forces	PhD	Mahmoudreza Shahverdi	Jun 2018
37	Development of multivariate curve resolution techniques for analysis of chromatography and spectroscopic data	PhD	Atefeh Kangineghad	Jun 2018
38	Developments of chemometric methods for metabolomics using chromatographic and spectroscopic methods	PhD	Mohammad Javad Masrou	March 2021
39	Study and optimization of QuEChERS method coupled by dispersive liquid-liquid microextraction for extraction of some pesticides and veterinary drugs in food samples and determination by high performance liquid chromatography	PhD	Hassan Khanezar	July 2021
40	The effect of hydrogen peroxide on the identification of microplastics in water containing humic acid	MSc	Sanaz Rezaghali	Aug 2023
41	Development of chemometric methods based on sparsity constraint for analyzing metabolomics data	PhD	Nilofar Rahmani	October 2023
42	Optimization of conditions for removal of microplastics from aqueous solutions using magnetite nanoparticles	MSc	Parinaz Piran	Feb 2024
43	Studies on planting, drying and extraction of turmeric active substances	PhD	Agdas Shahi	Sep. 2025

## **XVII. SEMINAR ARTICLES**

1. Y. Yamini, M. Ashraf Khorass, Analysis of polar compounds using on line SFE/HPLC, 44th Pittsburg Conference, 8-12 March, 1992, Atlanta, USA.

2. Y. Yamini, M. Ashraf Khorassani, Evaluation of reciprocating pump as a modifier system for supercritical fluid extraction, 44th Pittsburg Conference, 8-12 March, 1992, Atlanta, USA.

3. یدالله یمینی، مهدی اشرف خراسانی، پیشرفتی در استخراج آلکیل بنزنهای خطی با فاز جامد از نمونه های آبی و اندازه گیری به روش اسپکتروفتومتر، چهارمین سمینار شیمی تجزیه ایران، 25-26 فروردین 1372، مشهد، ایران.

4. Y. Yamini, M. Ashraf Khorassani, Solid phase extraction, high resolution gas chromatographic determination of linear alkyl benzene sulfonate, 5th Iranian Analytical Chemistry, 12-14 April, 1994, Isfahan, Iran.

5. Y. Yamini, M. Barzegar M. Ashraf Khorassani, Extraction and separation of nitro-PAHs in diesel and air with SFE/HPLC, 5th Iranian Analytical Chemistry, 12-14 April 1994, Isfahan, Iran.

6. Ali. Daneshfar, Y. Yamini, M. Barzegar M. Ashraf Khorassani, Supercritical fluid extraction of non-polar and intermediate polar organic compounds from aqueous environment, 5th Iranian Analytical Chemistry, 12-14 April, 1994, Isfahan, Iran.

7. Y. Yamini, M. Shamsipur, Extraction and determination of crown ethers from water samples using membrane disk and gas chromatography, 7th Iranian Analytical Chemistry, 7-9 may 1996, Isfahan, Iran.

8. N. Alizadeh, Y. Yamini, M. Shamsipur, Separation of barium from alkali and alkaline earth metal ions using octadecyl silica membranes modified by dibenzo-18-crown-6, 7th Iranian Analytical Chemistry, 7-9 may, 1996, Isfahan, Iran.

9. A. Tamaddon, Y. Yamini, Solid phase extraction spectrophotometric determination of trace amount of copper in water samples, 8th Iranian Seminar of Anal. Chem., 4-6 February, 1998, Ahvaz, Iran.

10. P. Ashtari, Y. Yamini, M. Shamsipur, A rapid method for preconcentration trace amounts of uranium in water samples, 12th National Congress of Chemistry and Chemical Engineering of Iran, 31st August- 2nd September, Shahid Bahonar University, 1997, Kerman, Iran.

11. M.R. Fathi, Y. Yamini, M. Shamsipur, Solubility determination neocuproin, 12th National Congress of Chemistry and Chemical Engineering of Iran, 31st August-2nd September, 1997, Shahid Bahonar University, Kerman, Iran.

12. Y. Yamini, N. Alizadeh, M. Shmsipur, Design a very simple static system for solubility determination of different compounds, 31st August- 2nd September, 1997, 12th National Congress of Chemistry and Chemical Engineering of Iran, Shahid Bahonar University, Kerman, Iran.

13. مجتبی شمسی پور، یدالله یمینی، علیرضا غیاثوند، استخراج فاز جامد مقادیر بسیار کم اورانیم در آبهای طبیعی توسط دیسکهای اکتادسیل سیلیکای، سیزدهمین کنگره شیمی و مهندسی شیمی ایران، 27-29 بهمن ماه، 1377، دانشگاه تربیت مدرس، تهران، ایران.

14. یدالله یمینی، پرویز اشتری، علیرضا خانچی، محمد قنادی مراغه، مجتبی شمسی پور، استخراج و جداسازی اورانیم از توریم و عناصر مزاحم توسط دیسکهای اکتادسیل سیلیکای اصلاح شده با تری اکتیلفسفین اکسید، سیزدهمین کنگره شیمی و مهندسی شیمی ایران، 27-29 بهمن ماه، 1377، دانشگاه تربیت مدرس، تهران، ایران.

15. محسن برزگر، محمد صفی رحمانی فر، یدالله یمینی، میرفضل الله موسوی، مطالعه تشکیل کمپلکس بین برخی از کاتیونهای فلزات سنگین و لیگاند 1، 1-دی آزا-10-دی بنزیل-18-کراون-6 در مخلوط حلالهای دو ... ، سیزدهمین کنگره شیمی و مهندسی شیمی ایران، 27-29 بهمن ماه، 1377، دانشگاه تربیت مدرس، تهران، ایران.

16. عاطفه تمدن، يدالله يميني، استخراج و اندازه گيري مقادير ناچيز آهن به روش اسپكتروفوتومتري فاز جامد، سيزدهمين كنفره شيمي و مهندسي شيمي ايران، 27-29 بهمن ماه، 1377، دانشگاه تربيت مدرس، تهران، ايران.
17. M.R. Rezvanianzadeh, Y. Yamini, A.R. Khanchi, P. Ashtari, M. Ghanadi Maragheh, Highly selective and efficient membrane transport of molybdenum (VI) using..., 9th Iranian Seminar of Analytical Chemistry, 8-10 Jun, 1999, University of Tabriz, Tabriz, Iran.
18. M. Shamsipur, A.R. Ghiasvand, Y. Yamini, Supercritical fluid extraction of uranium from solid matrices by using different co-extractants, 9th Iranian Seminar of Analytical Chemistry, 8-10 Jun, 1999, University of Tabriz, Tabriz, Iran.
19. N. Amiri, Y. Yamini, Solid phase extraction spectrophotometric determination of trace amounts of Iron in water, 9th Iranian Seminar of Analytical Chemistry, 8-10 Jun, 1999, University of Tabriz, Tabriz, Iran.
20. Y. Yamini, J. Hassan, Preconcentration trace amounts of beryllium by modified octadecyl silica gel and determination, 10th Iranian Seminar of Analytical Chemistry, 6-8 February, 2001, Sharif University of Technology, Tehran, Iran.
21. Y. Yamini, H. Ebrahimzadeh, M. Chalooosi, Preconcentration and determination of heavy metals in natural water samples using..., 10th Iranian Seminar of Analytical Chemistry, 6-8 Feb. 2001, Sharif University of Technology, Tehran, Iran.
22. Y. Yamini, J. Hassan, N. Bahramifar, Solubility of pure and mixed 2- methylanthracene and 9-nitro anthracene in supercritical carbon dioxide, 10th Iranian Seminar of Analytical Chemistry, 6-8 February, 2001, Sharif University of Technology, Tehran, Iran.
23. Y. Yamini, J. Hassan, S. Haghgo, Solubilities of some nitrogen containing drugs in supercritical carbon dioxide, 10th Iranian Seminar of Analytical Chemistry, 6-8 Feb. 2001, Sharif University of Technology, Tehran, Iran.
24. Y. Yamini, A. Garmroodi, Evaluation of solubilities of five drugs in supercritical carbon dioxide, 10th Iranian Seminar of Analytical Chemistry, 6-8 February, 2001, Sharif University of Technology, Tehran, Iran.
25. Y. Yamini, A. Garmroodi, Separation, preconcentration and determination of molybdenum by using solid phase extraction, 10th Iranian Seminar of Analytical Chemistry, 6-8 February, 2001, Sharif University of Technology, Tehran, Iran.
26. Y. Yamini, A. Garmroodi, Supercritical fluid extraction and determination of bezocaine, metronidazole and naproxen from different matrices, 10th Iranian Seminar of Analytical Chemistry, 6-8 February, 2001, Sharif University of Technology, Tehran, Iran.
27. Y. Yamini, S.M. Pourmortazavi, Comparison of essential oils obtained from "Provsikia atrilicifolia benth" using supercritical fluid carbon dioxide, 10th Iranian Seminar of Analytical Chemistry, 6-8 February, 2001, Sharif University of Technology, Tehran, Iran.
28. Y. Yamini, Supercritical fluids and their applications in chemistry, 10th Iranian Seminar of Analytical Chemistry, 6-8 February, 2001, Sharif University of Technology, Tehran, Iran.
29. Y. Yamini, H. Ebrahimzadeh, M. Chaloodi, Preconcentration and determination of trace amounts of bithmuth in real samples using C18 cartridge and electrothermal atomic, 10th Iranian Seminar of Analytical Chemistry, 6-8 February, 2001, Sharif University of Technology, Tehran, Iran. **(Keynot Speaker)**
30. M. Asghari-Khiavi, Y. Yamini, M.A. Farajzadeh, Solubility of drugs, bisacodyl, methimazole..., 11th Iranian Seminar of Analytical Chemistry, 9-31 Jan, 2002, Yazd, Iran.
31. M. Asghari-Khiavi, Y. Yamini, M.A. Farajzadeh, Effects of parameters on supercritical fluid extraction of..., 11th Iranian Seminar of Analytical Chemistry, 29-31 Jan, 2002, Yazd, Iran.

32. M. Asghari-Khiavi, Y. Yamini, M.A. Farajzadeh, Solubilities of steroid drugs and their mixtures, 11th Iranian Seminar of Analytical Chemistry, 29-31 Jan, Yazd University, 2002, Yazd, Iran.
33. H. Ebrahimzadeh, Y. Yamini, M. Chaloosi, Separation and preconcentration of Pd (II) on octadecyl-silica, 11th Iranian Seminar of Analytical Chemistry, 29-31 Jan, 2002, Yazd University, Yazd, Iran.
34. H. Ebrahimzadeh, Y. Yamini, M. Chaloosi, Highly selective and efficient transport of bismuth in bulk liquid membranes, 11th Iranian Seminar of Analytical Chemistry, 29-31 Jan, 2002, Yazd University, Yazd, Iran.
35. H. Ebrahimzadeh, Y. Yamini, M. Chaloosi, Highly selective and efficient transport of bismuth in bulk liquid membranes, 11th Iranian Seminar of Analytical Chemistry, 29-31 Jan, 2002, Yazd University, Yazd, Iran.
36. H. Ebrahimzadeh, M. Chaloosi, Y. Yamini, Simultaneous determination of quaternary mixtures of..., 11th Iranian Seminar of Analytical Chemistry, 29-31 Jan, 2002, Yazd University, Yazd, Iran.
37. M. Chaloosi, H. Ebrahimzadeh, Yadollah, Chemometric alternatives for resolution of classical analytic problems Spectrophotometric determination of ternary systems of lanthanide mixtures, 11th Iranian Seminar of Analytical Chemistry, 29-31 Jan, 2002, Yazd University, Yazd, Iran.
38. S. M. Pourmortazavi, H. Ebrahimzadeh, Y. Yamini, Extraction of metal ions from solid matrix using supercritical fluid carbon dioxide containing organophosphorus reagent, 11th Iranian Seminar of Analytical Chemistry, 29-31 Jan, 2002, Yazd University, Yazd, Iran.
39. S.M. Pourmortazavi, F. Sefidkon, Y. Yamini, Comparison of Essential Oil Composition of Iranian Fennel (*Foeniculum Vulgare*) Obtained by Supercritical Carbon Dioxide Extraction and Hydrodistillation Method, 11th Iranian Seminar of Analytical Chemistry, 29-31 Jan, 2002, Yazd University, Yazd, Iran.
40. S.M. Pourmortazavi, Y. Yamini, M. Mirhosseini, P. Baghaie, Supercritical Fluid Extraction of "Cupressaceae Juniperus" Essential Oil, 11th Iranian Seminar of Analytical Chemistry, 29-31 Jan, 2002, Yazd University, Yazd, Iran.
41. Y. Yamini, M. Haji Hosseini, Head Space Solvent Extraction of Halocarbons from water samples, 11th Iranian Seminar of Analytical Chemistry, 29-31 Jan, 2002, Yazd University, Yazd, Iran.
42. Y. Yamini, M. Hojati, Head Space Solvent Microextraction, 11th Iranian Seminar of Analytical Chemistry, 29-31 Jan, 2002, Yazd University, Yazd, Iran.
43. Y. Yamini, M. Hojati, Extraction and preconcentration of iodide by solid phase extraction, 11th Iranian Seminar of Analytical Chemistry, 29-31 Jan, 2002, Yazd University, Yazd, Iran.
44. J. Arab, Y. Yamini, Solubility of propanol, phenzopyridine and methimazole in supercritical carbon dioxide, 11th Iranian Seminar of Analytical Chemistry, 29-31 Jan, 2002, Yazd University, Yazd, Iran.
45. S. Sadeghi, D. Mohammadzadeh, Y. Yamini, Solid-phase extraction spectrophotometric determination of uranium(VI) in natural waters, 11th Iranian Seminar of Analytical Chemistry, 29-31 Jan, 2002, Yazd University, Yazd, Iran.
46. L. Hejazi, Y. Yamini, D. Ebrahim Mohammadi, Solid phase extraction and simultaneous spectrophotometric determination of trace amounts of copper and ions in water samples, 11th Iranian Seminar of Analytical Chemistry, 29-31 Jan, 2002, Yazd University, Yazd, Iran.

47. Y. Yamini, M. Khajeh, J. Hassan, Preconcentration of trace amounts of zirconium in water samples by modified octadecyl silica cartridge and its determination with..., 11th Iranian Seminar of Analytical Chemistry, 29-31 Jan, 2002, Yazd University, Yazd, Iran.
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49. N. Bahramifar, Y. Yamini, Supercritical fluid extraction of drugs, methimazole..., 12th Iranian Seminar of Analytical Chemistry, 28-30 Jan, 2003, Mazandaran University, Babolsar, Iran.
50. H. Ebrahimzadeh, Y. Yamini, M. Chalooic, Chemical composition of the essential oil and supercritical CO<sub>2</sub>..., 12th Iranian Seminar of Analytical Chemistry, 28-30 Jan, 2003, Mazandaran University, Babolsar, Iran.
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52. J. Fasihi Ramandi, Y. Yamini, Trace enrichment, separation and determination of some heavy metals in water samples by combination of SPE and reversed-phase HPLC, 12th Iranian Seminar of Analytical Chemistry, 28-30 Jan, 2003, Mazandaran University, Babolsar, Iran.
53. M. Haji Hosseini Y. Yamini, Solid phase extraction and atomic absorption determination of trace amounts of Zn<sup>+2</sup> and Co<sup>+2</sup>..., 12th Iranian Seminar of Analytical Chemistry, 28-30 Jan, 2003, Mazandaran University, Babolsar, Iran.
54. L. Hejazi, Y. Yamini, D. Ebrahimi Mohammadi, Solid phase extraction and simultaneous spectrophotometric, 12th Iranian Seminar of Analytical Chemistry, 28-30 Jan, 2003, Mazandaran University, Babolsar, Iran.
55. A. Irandost, Y. Yamini, M.R. Khanmohammady, Solid Phase extraction, HPLC separation and determination of some, 12th Iranian Seminar of Analytical Chemistry, 28-30 Jan, 2003, Mazandaran University, Babolsar, Iran.
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61. M.M. Zahedi, N. Dallali, Y. Yamini, Precipitative separation of Ni from Zn in the Ni-Cd cake after Cd recovery, The First Professional Seminar on Zinc, 26-27 May, 2004, Zanjan, Iran.

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63. N. Dallali, M. Ghanbari, Y. Yamini, B. Fateh, Liquid - liquid Extraction of Ultratrace Amounts of Tc produced by  $^{100}\text{Mo} (p, 2n) ^{99m}\text{Tc}$  Nuclear Reaction in Cyclotron, 14th Iranian Chemistry & Chemical Engineering Congress, 17-19 Feb, 2004, Terbeyet Moallem University, Tehran, Iran.
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72. E. Ghasemi, Y. Yamini, N. Bahramifar, F. Sefidkon, Comparison of essential oil composition of *Artemisia sieberi* obtained by supercritical fluid extraction and hydrodistillation methods, 13th Iran's Seminar of Analytical Chemistry, 18-20 May, 2004, Ferdowsi University of Mashhad, Mashhad, Iran.
73. M. Khajeh, J. Hassan, Y. Yamini, Headspace solvent microextraction and gas chromatographic determination of some chlorobenzenes in water sample 13th Iran's Seminar of Analytical Chemistry, 18-20 May, 2004, Ferdowsi University of Mashhad, Mashhad, Iran.
74. A. Besharati, A. Jabbari, Y. Yamini, Headspace Solvent Microextraction: A Very Rapid Method for Identification of Volatile Components of Iranian *Pimpinella Anisum* Fruit, 13th Iran's Seminar of Analytical Chemistry, 18-20 May, 2004, Ferdowsi University of Mashhad, Mashhad, Iran.

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270. H. Asiabi, Y. Yamini, M. Shamsayei, Electrochemically controlled double in-tube SPME: A new approach toward simultaneous extraction of acidic, basic and neutral drugs using nanostructured copolymer of polypyrrole and indole-2-carboxylic acid, The 23<sup>th</sup> Iranian Seminar of Analytical Chemistry, 30 Aug-1 Sep., 2016, Sharif University of Technology, Tehran, Iran.
271. Q. Salamat, Y. Yamini, N. Feizi, Extraction of Antidepressant Drugs by using Alkanol-Based Nano Structured Supramolecular Solvents Microextraction in Biological Samples Prior to Their Determination by Gas Chromatography with Mass Detection, The 23<sup>th</sup> Iranian Seminar of Analytical Chemistry, 30 Aug-1 Sep., 2016, Sharif University of Technology, Tehran, Iran.
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274. H. Amanzadeh, Y. Yamini, Headspace Solid Phase Microextraction of Phthalate Esters Using Zinc-Metal Organic Framework Nanocomposite Coated Fiber, The 23<sup>th</sup> Iranian Seminar of Analytical Chemistry, 30 Aug-1 Sep., 2016, Sharif University of Technology, Tehran, Iran.
275. M. Shamsayei, Y. Yamini, H. Asiabi, Electrodeposited coating of nanostructured polythiophene doped graphene oxide for on-line electrochemically controlled in-tube solid-phase microextraction, The 23<sup>th</sup> Iranian Seminar of Analytical Chemistry, 30 Aug-1 Sep., 2016, Sharif University of Technology, Tehran, Iran.
276. M. Nazraz, Y. Yamini, H. Amanzadeh, Nickel cobalt oxide / polypyrrole nanocomposite as a new solid phase microextraction coating for determination of n-Alkanes, The 23<sup>th</sup> Iranian Seminar of Analytical Chemistry, 30 Aug-1 Sep., 2016, Sharif University of Technology, Tehran, Iran.

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278. M. M. Khataei, Y. Yamini, Quaternary Ammonium as a Efficient Modifier in Acceptor Phase for Extraction of Triazine Herbicides Using Three Phase Liquid Phase Microextraction Based on Hollow Fibers, The 23<sup>th</sup> Iranian Seminar of Analytical Chemistry, 30 Aug-1 Sep., 2016, Sharif University of Technology, Tehran, Iran.
279. M. Nozohour Yazdi, Y. Yamini, Hollow Fiber Liquid-Phase Microextraction Followed by High Performance Liquid Chromatography for Speciation and Determination of Selenium in Biological Samples, The 23<sup>th</sup> Iranian Seminar of Analytical Chemistry, 30 Aug-1 Sep., 2016, Sharif University of Technology, Tehran, Iran.
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281. Y. Yamini, Novel methods for extraction ultra trace amounts of metal ions from water and biological samples, 5<sup>th</sup> Iranian Congress of Trace Elements, 20 – 22 Nov 2016, Tarbiat Modares University, Tehran, Iran. (**Keynote speaker**)
282. M. Shamsayei, Y. Yamini, H. Asiabi, Application of nano layered double hydroxide based on Cr and Zn for removal of Hg<sup>2+</sup> ions, 5<sup>th</sup> Iranian Congress of Trace Elements, 20 – 22 Nov 2016, Tarbiat Modares University, Tehran, Iran.
283. H. Asiabi, Y. Yamini, M. Shamsayei, Synthesis of layered double hydroxide based on Ni(II) and Al(III) ions for removal of Cr and As from aqueous solutions, 5<sup>th</sup> Iranian Congress of Trace Elements, 20 – 22 Nov 2016, Tarbiat Modares University, Tehran, Iran.
284. H. Asiabi, Y. Yamini, M. Shamsayei, Packed in-tube solid phase microextraction sorbent for ultra-trace determination of  $\Delta^9$ -Tetrahydrocannabinol in biological samples and cannabis leaves, 19<sup>th</sup> Iranian Chemistry Congress, 21-23 February, 2017, Shiraz University, Shiraz, Iran.
285. M. Nozohour Yazdi, Y. Yamini, H. Asiabi, Polypyrrole- silver nanoparticles hollow fiber solid phase microextraction coupled with high performance liquid chromatography for the determination of parabens in water and fruit juice samples, 19<sup>th</sup> Iranian Chemistry Congress, 21-23 February, 2017, Shiraz University, Shiraz, Iran.
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291. M. Baharfar, Y. Yamini, S. Seidi, M. Karami, On-chip electromembrane extraction of ephedrine and clonidine from human urine and plasma samples, 19<sup>th</sup> Iranian Chemistry Congress, 21-23 February, 2017, Shiraz University, Shiraz, Iran.
292. M. M. Khataei, Y. Yamini, A. Esrafil, Using Modified Acceptor Phase for Extraction and Preconcentration of Triazine Herbicides from Cucumber Peel by Three Phase Hollow Fiber Liquid Phase Microextraction, 19<sup>th</sup> Iranian Chemistry Congress, 21-23 February, 2017, Shiraz University, Shiraz, Iran.
293. N. Feizi Gilandeh, Y. Yamini, Magnetic nanoparticle assisted gemini-based supramolecular solvent extraction of heavy metals prior to their determination by ICP-AES, 19<sup>th</sup> Iranian Chemistry Congress, 21-23 February, 2017, Shiraz University, Shiraz, Iran.
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296. S. Ehsani, A. Mani-Varnosfaderani, Y. Yamini, H. Amanzadeh, Investigation of the effects of the chemical composition of Lubricants on the value of their viscosity index using multivariate calibration methods, 19<sup>th</sup> Iranian Chemistry Congress, 21-23 February, 2017, Shiraz University, Shiraz, Iran.
297. M. Shakorian, Y. Yamini, M. Safari, Facile magnetization of metal-organic framework TMU-6 for magnetic solid-phase extraction of organ phosphorus pesticides in water samples, 19<sup>th</sup> Iranian Chemistry Congress, 21-23 February, 2017, Shiraz University, Shiraz, Iran.
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299. H. Asiabi, Y. Yamini, M. Shamsayei, Removal of arsenic (V), chromium (VI) and selenium (VI) oxyanions by layered double hydroxide intercalated with zwitterionic glycine, 8<sup>th</sup> National Seminar of Chemistry and Environment, 6-7 September, 2017, Kharazmi University, Tehran, Iran.
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303. M. M. Khataei, Y. Yamini, Fabrication of covalent organic framework-based composite as advanced adsorbent for removal of cationic and anionic dyes from water, 20<sup>th</sup> Iranian Chemistry Congress, 17-19 July, 2018, Ferdowsi University of Mashhad, Mashhad, Iran.

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308. M. Nazraz, H. Asiabi, Y. Yamini, Solid sorbent based on natural polymer nanosheets for removal of antibiotics from wastewater, 20<sup>th</sup> Iranian Chemistry Congress, 17-19 July, 2018, Ferdowsi University of Mashhad, Mashhad, Iran.
309. M. Karami, Y. Yamini, Automated EME-DLLME Method on a disk, 20<sup>th</sup> Iranian Chemistry Congress, 17-19 July, 2018, Ferdowsi University of Mashhad, Mashhad, Iran.
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311. Y. Yamini, In tube solid phase microextraction: A promising technique for extraction ultratrace amounts of organic and inorganic pollutants from aqueous solutions, 25<sup>th</sup> Iranian Seminar of Analytical Chemistry, 3-5 September, 2018, University of Tabriz, Tabriz, Iran.
312. M. Shamsayei, Y. Yamini, H. asiabi, Layered double hydroxide nanosheets deposited diatomite: high performance adsorbent for removal of anionic organic dye, 25<sup>th</sup> Iranian Seminar of Analytical Chemistry, 3-5 September, 2018, University of Tabriz, Tabriz, Iran.
313. M. Ghaemmaghami, Y. Yamini, Solid-phase microextraction of PAHs from water samples using mesoporous carbon nitride coating, 25<sup>th</sup> Iranian Seminar of Analytical Chemistry, 3-5 September, 2018, University of Tabriz, Tabriz, Iran.
314. M. M. Khataei, Y. Yamini, Determination of phthalate esters in water by headspace solid phase microextraction using covalent organic framework-based nanocomposite as advanced coating coupled to gas chromatography-mass spectrometry detector, 25<sup>th</sup> Iranian Seminar of Analytical Chemistry, 3-5 September, 2018, University of Tabriz, Tabriz, Iran.
315. M. J. Masroor, A. Mani-Varnosfaderani, Y. Yamini, Discrimination of almond oils using gas chromatography-mass spectrometry and chemometrics techniques: A need for an automated and standard strategy, 26<sup>th</sup> Iranian Seminar of Analytical Chemistry, 25-27 August, 2019, University of Semnan, Semnan, Iran.
316. M. Shamsayei, Y. Yamini, Fabrication of Ag<sub>3</sub>PO<sub>4</sub>/zeolite composite as photocatalytic degradation of organic dyes, 26<sup>th</sup> Iranian Seminar of Analytical Chemistry, 25-27 August, 2019, University of Semnan, Semnan, Iran.
317. M. Shamsayei, Y. Yamini, One-Step Two-Electrode Electrodeposition of Intercalated Layered Double Hydroxide for Effective Uptake of Heavy Metal Ions, 9<sup>th</sup> National Seminar of Chemistry and Environment, 3 and 4 September, 2019, Arak University, Arak, Iran.

318. M. Aghaziarati, Y. Yamini, M. Shamsayei, Electrodeposited Terephthalic Acid/Layered Double Hydroxide Nanosheets Coating for In-Tube Solid Phase Microextraction of Phthalate Esters from Beverages, 9<sup>th</sup> National Seminar of Chemistry and Environment, 3 and 4 September, 2019, Arak University, Arak, Iran.

319. Y. Yamini, Solvent microextraction based on hollow fibers coupled to spectroscopic methods an efficient and sensitive method to determine trace amounts of cations in biological and environmental samples, 6<sup>th</sup> Iranian Congress of Trace Elements, 1 and 2 September 2020, Electrochemical Institute of Tehran University,| Tehran, Iran (**Keynote Speaker**).

320. Y. Yamini, Microfluidic chips in sample extraction for preconcentration, clean up and easy detection of the analytes, 3rd International Environmental Chemistry Congress (EnviroChem), 01-04 November 2021, Mirage Park Resort Hotel, Antalya, Turkey (**Keynote Speaker**).

321. Y. Yamini, Microextraction on a Screw, 21<sup>st</sup> ICS International Chemistry Congress, 26-28 July 2022, Azarbaijan Shahid Madani University, Tabriz, Iran (**Keynote Speaker**).

322. R. Zamani, Y. Yamini, On chip electromembrane surrounded solid phase microextraction of antidepressants using PEDOT-GO nanocomposite coating, 21<sup>st</sup> ICS International Chemistry Congress, 26-28 July 2022, Azarbaijan Shahid Madani University, Tabriz, Iran (Oral presentation).

323. M. Aghaziarati, Y. Yamini, M. Shamsayei, Electrodeposited histidine-layered double hydroxide nanosheets composed with carbon dot as coating for in-tube solid phase microextraction of chlorophenols from waters, juices, and honey samples, 21<sup>st</sup> ICS International Chemistry Congress, 26-28 July 2022, Azarbaijan Shahid Madani University, Tabriz, Iran.

324. S. S. Nasrollahi, Y. Yamini, Green dispersive solid-phase microextraction of melamine using crosslinked  $\beta$ -cyclodextrin with citric acid followed by HPLC-UV, 21<sup>st</sup> ICS International Chemistry Congress, 26-28 July 2022, Azarbaijan Shahid Madani University, Tabriz, Iran.

325. N. S. Moosavi, Y. Yamini, Synthesis and application of nanofiber yarns of MXene composite in packed in-tube solid phase microextraction of beta-blockers residue from biofluids, 21<sup>st</sup> ICS International Chemistry Congress, 26-28 July 2022, Azarbaijan Shahid Madani University, Tabriz, Iran.

326. M. Samadifar, Y. Yamini, Microextraction by packed sorbent of selective and non-selective  $\beta$ -blocker drugs with chitosan@mof-199 bio-composite in human saliva, plasma, and urine samples, 21<sup>st</sup> ICS International Chemistry Congress, 26-28 July 2022, Azarbaijan Shahid Madani University, Tabriz, Iran.

327. P. Osouli, Y. Yamini, M. Tabibpour, Design an automated microextraction on a screw system coupled with high performance liquid chromatography, 21<sup>st</sup> ICS International Chemistry Congress, 26-28 July 2022, Azarbaijan Shahid Madani University, Tabriz, Iran.

328. M. Tabibpour, Y. Yamini, S. H. Ahmadi, P. Osouli, Microextraction on a screw for determination of trace amounts of alkaloids of opium by gas chromatography, 21<sup>st</sup> ICS International Chemistry Congress, 26-28 July 2022, Azarbaijan Shahid Madani University, Tabriz, Iran.

329. M. Saadat, Y. Yamini, N. Nikfarjam, H. Kefayati, Magnetic in-tube solid phase microextraction of some herbicides, 21<sup>st</sup> ICS International Chemistry Congress, 26-28 July 2022, Azarbaijan Shahid Madani University, Tabriz, Iran.

330. M. Saadat, Y. Yamini, K. Zavar Mousavi, Extraction and determination of parabens from fruit juice with  $\mu$ -solid phase extraction using yolk-shell ZIF-8-based material (ZnO@SiO<sub>2</sub>@C/Ni), 21<sup>st</sup> ICS International Chemistry Congress, 26-28 July 2022, Azarbaijan Shahid Madani University, Tabriz, Iran.

331. S. Darabi, Y. Yamini, R. Zamani, M. Ghaemmaghami, Effect of thin film in acceptor phase on electromembrane extraction of some cationic dyes from aqueous solutions, 21<sup>st</sup> ICS

International Chemistry Congress, 26-28 July 2022, Azarbaijan Shahid Madani University, Tabriz, Iran.

332. H. Kefayati, Y. Yamini, S. S. Nasrollahi, Fabrication of monolithic MOF-808 as a novel coating for solid-phase microextraction of phthalate esters, 21<sup>st</sup> ICS International Chemistry Congress, 26-28 July 2022, Azarbaijan Shahid Madani University, Tabriz, Iran.

333. N. Amareh, Y. Yamini, M. Saeidi, Z. Dinmohammadpour, ZIF-7@ZIF-67/ polyether sulfone composites for dispersive solid-phase extraction of Bisphenol A and 2-phenylphenol, 21<sup>st</sup> ICS International Chemistry Congress, 26-28 July 2022, Azarbaijan Shahid Madani University, Tabriz, Iran.

334. S. Pourhosseini, Y. Yamini, S. S. Nasrollahi, Eco-friendly approach for effective extraction and determination of antifungal drugs using electrospun Mg-Al-SDS LDH fibers, 21<sup>st</sup> ICS International Chemistry Congress, 26-28 July 2022, Azarbaijan Shahid Madani University, Tabriz, Iran.

335. Y. Yamini, Electrically filed induced solid phase microextraction techniques, 19th Asian Chemical Congress, 9-14 July 2023, Istanbul Technical University, Istanbul, Türkiye (**Keynote Speaker**).

336. Y. Yamini, Metal organic and covalent organic frameworks as promising adsorbents for microextraction trace amounts of environmental pollutants, 11<sup>th</sup> international seminar on Chemistry and Environment, 27-29 August 2024, Azarbaijan Shahid Madani University, Tabriz, Iran (**Keynote Speaker**).

337. S. Pourhosseini, Y. Yamini, S. S. Nasrollahi, Eco-friendly approach for effective extraction and determination of tricyclic antidepressants from biological samples using electrospun modified montmorillonite/PVA nanofibers followed by GC-MS Analysis, 11<sup>th</sup> International Seminar on Chemistry and Environment, 27-29 August 2024, Azarbaijan Shahid Madani University, Tabriz, Iran.

338. S. M. Jalali, Y. Yamini, N. S. Moosavi, Fiber in tube solid phase microextraction of phthalate esters using PAN/g-C<sub>3</sub>N<sub>4</sub> electrospun nanofibers from beverages, 11<sup>th</sup> International Seminar on Chemistry and Environment, 27-29 August 2024, Azarbaijan Shahid Madani University, Tabriz, Iran.

339. T. Sheikhi, Y. Yamini, H. Razmi, M. Karimi, Application of MOF/COF assisted electromembrane extraction technique for extraction trace amounts of drug in biological samples, 11<sup>th</sup> International Seminar on Chemistry and Environment, 27-29 August 2024, Azarbaijan Shahid Madani University, Tabriz, Iran.

340. M. Saadat, Y. Yamini, Multiple-shell amorphous Co/Ni-(PO<sub>4</sub>)<sub>x</sub>(OH)<sub>y</sub> hollow layered double hydroxide for enhanced adsorption performance of some azole antifungals, 11<sup>th</sup> International Seminar on Chemistry and Environment, 27-29 August 2024, Azarbaijan Shahid Madani University, Tabriz, Iran.

341. H. Kefayati, Y. Yamini, In situ growth of metal-organic frameworks (Al-MOFs) on aluminum fiber for headspace solid-phase microextraction of antidepressants, 11<sup>th</sup> International Seminar on Chemistry and Environment, 27-29 August 2024, Azarbaijan Shahid Madani University, Tabriz, Iran.

342. M. Beiranvand, Y. Yamini, M. M. Khataei, Green hydrophobic deep eutectic solvents for two-phase hollow fiber-liquid phase microextraction of benzodiazepines, 11<sup>th</sup> International Seminar on Chemistry and Environment, 27-29 August 2024, Azarbaijan Shahid Madani University, Tabriz, Iran.

343. M. Bagheri, Y. Yamini, Lab-on-a-chip based on electromembrane for extraction of anticancer drugs in biological samples, 11<sup>th</sup> International Seminar on Chemistry and Environment, 27-29 August 2024, Azarbaijan Shahid Madani University, Tabriz, Iran.

**344. N. Rahmani, Y. Yamini, In-tube solid phase microextraction based on nanocomposites of conducting polymers and double layer hydroxides in order to extract trace amounts of some acidic drugs in biological samples, 11<sup>th</sup> International Seminar on Chemistry and Environment, 27-29 August 2024, Azarbaijan Shahid Madani University, Tabriz, Iran.**

**345. S. Pourhosseini, Y. Yamini, M. Karimi, Magnetically solid phase microextraction based on covalent organic frame work for highly selective extraction of heavy metal ions, 28<sup>th</sup> Iranian Seminar of Analytical Chemistry, 29-31 January 2025, Ferdowsi University of Mashhad, Mashhad, Iran.**

**346. S. M. Jalali, Y. Yamini, N. S. Moosavi, The effect of applying potential on the fiber in tube solid-phase microextraction of antidepressant drugs from urine and plasma samples, 28<sup>th</sup> Iranian Seminar of Analytical Chemistry, 29-31 January 2025, Ferdowsi University of Mashhad, Mashhad, Iran.**

**347. M. Beiranvand, Y. Yamini, M. M. Khataei, A novel hydrophobic DES-ferrofluid enhanced dispersive liquid phase microextraction of parabens in cosmetic products, 28<sup>th</sup> Iranian Seminar of Analytical Chemistry, 29-31 January 2025, Ferdowsi University of Mashhad, Mashhad, Iran.**