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Department of Chemistry

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I. PERSONAL INFORMATION:

Name: Yadollah Yamini

Date of Birth: 1968

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II. EDUCATIONAL RECORDS:

Degree	Institution	Field	Date
B.Sc	Mazandaran Univ.	Chemistry	1990
M.Sc	Tarbiat Modares Univ.	Chemistry	1992
Ph.D.	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 73 MSc graduated students.**
- 2) **Supervisor of 40 PhD graduated students.**
- 3) **Advisor of 41 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 Hazardous 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) Malezian 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)

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 CO₂.
- 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) 24th Khwarizmi International Award, Feb. 5th, 2011, Tehran, Iran.
- 2) Laureate Professor of Tarbiat Modares University on 2004.
- 3) Laureate Professor of Tarbiat Modares University on 2013.
- 4) Distinguished Youngest Iranian Analytical Chemist by Iranian Chemical Society on 2013.
- 5) Distinguished Researcher by Ministry of Science, Research and Technology, on 2014.

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**.

XII. JOURNAL PAPERS

- 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 SmFeO₃ 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, Ghaemmaghami 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 SnO₂ 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 β -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](#)

Environmental Progress & Sustainable Energy, 41: e13727-1 - e13727-11, Published 2022.

422. Farahmandi M, **Yamini Y**, Baharfar M, Karami M, [Dispersive magnetic solid phase microextraction on microfluidic systems for extraction and determination of parabens](#)

Analytica Chimica Acta, 1188: 339183-1 - 339183-12, Published 2021.

421. Dinmohammadpour Z, **Yamini Y**, Nazraz M, Shamsayei M, [A new configuration for in-tube solid phase microextraction based on a thin-film coating](#)

Microchemical Journal, 171: 106869-1 - 106869-8, Published 2021.

420. Baheri T, **Yamini Y**, Shamsayei M, Tabibpour M, [Application of HKUST-1 metal-organic framework as coating for headspace solid-phase microextraction of some addictive drugs](#)

Journal of Separation Science, 44: 2814-2823, Published 2021.

419. Zavar Mousavi K, **Yamini Y**, Karimi B, Khataei MM, Khorasani M, Seidi S, Ghaemmaghani M, [Plugged bifunctional periodic mesoporous organosilica as a high-performance solid phase microextraction coating for improving extraction efficiency of chlorophenols in different matrices](#)

Talanta, 235: 122724-1 - 122724-7, Published 2021.

418. Kefayati H, **Yamini Y**, Shamsayei M, Abdi S, [Molecularly imprinted polypyrrole@ CuO nanocomposite as an in-tube solid-phase microextraction coating for selective extraction of carbamazepine from biological samples](#)

Journal of Pharmaceutical and Biomedical Analysis, 204: 114256-1 - 114256-9. Published 2021.

417. Alidoust M, Baharfar M, Manouchehri M, **Yamini Y**, Tajik M, Seidi S, [Emergence of microfluidic devices in sample extraction; an overview of diverse methodologies, principals, and recent advancements](#)

TrAC Trends in Analytical Chemistry, 143: 116352-1 - 116352-33. Published 2021. (Review)

416. Moradi M, **Yamini Y**, Feizi N, [Development and challenges of supramolecular solvents in liquid-based microextraction methods](#)

TrAC Trends in Analytical Chemistry, 138: 116231-1 - 116231-11. Published 2021. (Review)

415. Mohammadi S, Hazrati M, **Yamini Y**, [Solid Phase Extraction of Letrozole by a Metal Organic Framework and its HPLC-UV Characterization](#)

Analytical and Bioanalytical Chemistry Research 8: 199-207, Published 2021.

414. Ekrami J, Nemati MS, Mosaferi M, **Yamini Y**, [Environmental impact assessment of salt harvesting from the salt lakes](#)

Journal of Environmental Health Science and Engineering 19: 365-377, Published 2021.

413. Khataei MM, **Yamini Y**, Shamsayei M, [Applications of porous frameworks in solid phase microextraction](#)

Journal of Separation Science 44: 1231-1263, Published 2021. (Review)

412. Ramezani AM, **Yamini Y**, Nazraz M, [Development of a convenient polypyrrole based sorbent for headspace solid phase microextraction of diazinon and chlorpyrifos](#)

Journal of Food Composition and Analysis 98: 103806-1 – 103806-9, Published 2021.

411. Mokhtari N, Khataei MM, Dinari M, Monjezi BH, **Yamini Y**, Hatami M, [Solid-phase extraction and microextraction of chlorophenols and triazine herbicides with a novel hydrazone-based covalent triazine polymer as the adsorbent](#)

Microchemical Journal 160: 105634-1 – 105634-7, Published 2021.

410. M Safari, **Y Yamini**, [Application of magnetic nanomaterials in magnetic in-tube solid-phase microextraction](#)

Talanta, 221: 121648-1 – 121648-8, Published 2021. (Review)

409. Alidoust M, **Yamini Y**, Baharfar M, Seidi S, Rasouli F, [Microfluidic-enabled versatile hyphenation of electromembrane extraction and thin film solid phase microextraction](#)

Talanta 224: 121864-1 – 121864-9, Published 2021.

408. Nazraz M, **Yamini Y**, Ramezani AM, Dinmohammadpour Z, [Deep eutectic solvent dependent carbon dioxide switching as a homogeneous extracting solvent in liquid-liquid microextraction](#)

Journal of Chromatography A 1636: 461756-1 – 461756-8, Published 2021.

- 407.** Nasrollahi SS, **Yamini Y**, Shamsayei M, [Synthesis of an organic-inorganic hybrid absorbent for in-tube solid-phase microextraction of bisphenol A](#)
Journal of Separation Science 44: 1122-1129, Published 2021.
- 406.** H Khanehzar H, M Faraji M, A Nezhadali A, **Y Yamini**, [Combining of modified QuEChERS and dispersive liquid-liquid microextraction as an efficient sample preparation method for extraction of acetamiprid and imidacloprid from pistachio samples](#)
Journal of the Iranian Chemical Society 18: 641-649, Published 2021.
- 405.** Khataei MM, **Yamini Y**, Asiabi H, Shamsayei M, [Covalent organic framework and montmorillonite nanocomposite as advanced adsorbent: synthesis, characterization, and application in simultaneous adsorption of cationic and anionic dyes](#)
Journal of Environmental Health Science and Engineering, 18: 1555-1567, Published 2020.
- 404.** Ramezani AM, **Yamini Y**, [Electrodeposition of poly-ethylenedioxythiophene-graphene oxide nanocomposite in a stainless steel tube for solid-phase microextraction of letrozole in plasma samples](#)
Journal of Separation Science 43: 4338-4346, Published 2020.
- 403.** Tabibpour M, **Yamini Y**, Ahmadi SH, Esrafil A, Tabar Heydar K, Javad Mousavi SA, Baharfar M, [Microextraction on a screw for determination of trace amounts of hexanal and heptanal as lung cancer biomarkers](#)
Journal of Pharmaceutical and Biomedical Analysis 191: 113528-1 – 113528-8, Published 2020.
- 402.** Shamsayei M, **Yamini Y**, Asiabi H, Khataei MM, [Electrodeposition of layered double hydroxide intercalated with 2, 3-dimercaptopropane sulfonate on carbon cloth and application for effective uptake of heavy metals](#)
Applied Clay Science 196: 105747-1 – 105747-12, Published 2020.
- 401.** Salar Amoli H, **Yamini Y**, Darmani H, [Polyoxomolybdate₃₆₈ /polyaniline nanocomposite as a novel fiber for solid-phase microextraction of antidepressant drugs in biological samples](#)
Journal of Separation Science 43: 2636-2645, Published 2020.
- 400.** Li F, Rodas Ceballos M, Keshan Balavandy S, Fan J, Khataei MM, **Yamini Y**, Maya F, [3D printing in analytical sample preparation](#),
Journal of Separation Science 43: 1854-1866, Published 2020. (Review)
- 399.** Shakourian M, **Yamini Y**, Safari M, [Facile magnetization of metal-organic framework TMU-6 for magnetic solid-phase extraction of organophosphorus pesticides in water and rice samples](#)
Talanta 218: 121139-1 – 121139-8, Published 2020.
- 398.** Mani-Varnosfaderani A, Masroor J, **Yamini Y**, [Designating the geographical origin of Iranian almond and red jujube oils using fluorescence spectroscopy and I₁-penalized chemometric methods](#)

Microchemical Journal 157: 104984-1-104984-10, Published 2020.

397. Ali Khan W, Balal Arain M, **Yamini Y**, Shah N, Gul Kazi T, Pedersen-Bjergaard S, Tajik M, [Hollow fiber-based liquid phase microextraction followed by analytical instrumental techniques for quantitative analysis of heavy metal ions and pharmaceuticals](#)

Journal of Pharmaceutica Analysis 10: 109-122, Published 2020. (Review)

396. Khataei MM, **Yamini Y**, Ghaemmaghani M, [Reduced graphene-decorated covalent organic framework as a novel coating for solid-phase microextraction of phthalate esters coupled to gas chromatography-mass spectrometry](#)

Microchimica Acta 187: 256-1-256-9, Published 2020.

395. Mehrani Z, Ebrahimzadeh H, Moradi E, **Yamini Y**, [Using three-dimensional poly \(vinyl alcohol\)/sodium hexametaphosphate nanofiber as a non-toxic and efficient nanosorbent for extraction and recovery of Lanthanide ions from aqueous solutions](#)

Journal of Molecular Liquids 307: 112925-1-112925-10, Published 2020.

394. Mani-Varnosfaderani A, Masroor MJ, **Yamini Y**, [Evaluating different sparsity measures for resolving LC/GC-MS data in the context of multivariate curve resolution](#)

Chemometrics and Intelligent Laboratory Systems 200: 104004-1-104004-11, Published 2020.

393. Asiabi H, **Yamini Y**, Shamsayei M, Baheri T, [Developing a novel packed in-tube solid phase extraction method for determination \$\Delta\$ 9-tetrahydrocannabinol in biological samples and cannabis leaves](#)

Journal of Separation Science 43: 1128-1136, Published 2020.

392. Shamsayei M, **Yamini Y**, Asiabi H, [Layer-by-layer assembly of layered double hydroxide/histidine/ \$\delta\$ -MnO₂ nanosheets: Synthesis, characterization, and applications](#)

Applied Clay Science 188: 105540-1-105540-12, Published 2020.

391. Ghaemmaghani M, **Yamini Y**, Saievar-Iranizad E, Bayat A, [Straightforward fabrication of robust Fe-doped Ni₃Se₂ supported nickel foam as a highly efficient electrocatalyst for the oxygen evolution reaction](#)

Sustainable Energy & Fuels 4: 1150-1156, Published 2020.

390. Karami M, **Yamini Y**, [On-disc electromembrane extraction-dispersive liquid-liquid microextraction: A fast and effective method for extraction and determination of ionic target analytes from complex biofluids by GC/MS](#)

Analytica Chimica Acta 1105: 95-104, Published 2020.

389. Ghambarian M, Tajabadi F, **Yamini Y**, Behbahani M, Sobhi HR, Esrafil A, [An efficient sample preparation method based on dispersive liquid-liquid microextraction associated with back extraction for trace determination of acidic pharmaceuticals](#)

Arabian Journal of Chemistry 13: 1924-1932, Published 2020.

388. Zarghampour F, **Yamini Y**, Baharfar M, Javadian G, Faraji M, [On-chip electromembrane extraction followed by sensitive digital image-based colorimetry for determination of trace amounts of Cr\(VI\)](#)

Analytical Methods 12: 483-490, Published 2020.

387. Ghaemmaghami M, **Yamini Y**, Zavar Mousavi K, [Accordion-like \$Ti_3C_2T_x\$ MXene nanosheets as a high-performance solid phase microextraction adsorbent for determination of polycyclic aromatic hydrocarbons using GC-MS](#)
Microchimica Acta 187: 151-1-151-8, Published 2020.

386. Aghaziarati M, **Yamini Y**, Shamsayei M, [An electrodeposited terephthalic acid-layered double hydroxide \(Cu-Cr\) nanosheet coating for in-tube solid-phase microextraction of phthalate esters](#)
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31. **Yamini Y**, Sefidkon F, Pourmortazavi SM
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20. **Yamini Y**, Hassan J, Haghgo S
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19. **Yamini Y**, Bahramifar N
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16. **Yamini Y**, Bahramifar N
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15. **Yamini Y**, Ashtari P, Khanchi AR, Ghannadi-Maragheh M, Shamsipur M
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14. Ghiasvand AR, Hosseini M, Sharghi H, **Yamini Y**, Shamsipur M
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13. Shamsipur M, Ghiasvand AR, **Yamini Y**
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11. **Yamini Y**, Tamaddon A
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10. Fat'hi MR, **Yamini Y**, Sharghi H, Shamsipur M
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9. **Yamini Y**, Fat'Hi MR, Alizadeh N, Shamsipur M
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8. Fat'hi MR, **Yamini Y**, Sharghi H, Shamsipur M
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7. **Yamini Y**, Alizadeh N, Shamsipur M
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5. **Yamini Y**, Shamsipur M
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4. Ashrafkhorassani M, Gidanian S, **Yamini Y**

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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	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
7	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	
8	Electromembrane extraction via microfluidic devices	Y. Yamini, F. Zarghampour	2018
9	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
10	Fabrication of new fibers based on functionaled mesoporous silica and their applications in solid phase microextraction	Kobra Zavvar Mousavi	2021
11	Synthesis of MXenes nanocomposites and their applications as coating	Mostafa	2021

	in solid phase microextraction.	Ghaemmagami	
12	Magnetic core-shell nanoparticles modified with hydrophilic ionic liquids and magnetic ordered mesoporous carbons as sorbents for microextraction methods	Kobra Zavvar Mousavi	2023
13	Direct determination of Li in brine samples related to Potase Khor va Biabanak Co. by ICP-OES.	Y. Yamini, H. Kefayati, R. Hassani	

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 supercritical carbon dioxide	Nader Bahramifar	Sep. 1999
4	Study of solubility and extraction of some nitrogen containing drugs (sedative and hypnotic) in supercritical carbon dioxide	Jalal Hassan	Sep. 2000
5	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	Aziz Garmroodi	Sep. 2000
6	Headspace solvent microextraction and extraction and preconcentration iodide by solid phase extraction	Mohammad Hojjaty	Sum mer 2001
7	Extraction of drugs with supercritical carbon dioxide	M. Asghari Khiavi	Sep. 2001
8	Solid phase extraction and spectrophotometric determination of race amounts of zirconium and lead ions in various samples	Mostafa Khajeh	June 2001
9	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	Seyyed Mahdi. Pourmortazavi Ardakani	July 2001
10	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	M. Yazdan	2001
11	Solubility investigation of phenazopyridine, propanolol and methimazole in supercritical carbon dioxide and headspace solvent microextraction of BTEX from aqueous samples	Jabber Arab	Aug. 2002
12	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	Majid Haji Hosseini	Sum mer 2002
13	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.	Leila Hejazi	Autu mn 2002
14	Solid phase extraction, HPLC separation and determination of cobalt, copper and iron metal ions	A. Irandoost	Autu mn 2003
15	(I) Trace enrichment of Co 2+ , Cu 2+ and Ni 2+ by SPE and their determination with ICP	Javad Fasihi Ramandi	Sep. 2003

	(II) Investigation on the solubility of some disperse azo dyes in supercritical carbon dioxide		
16	Headspace solvent micro extraction gas chromatographic determination of some polycyclic aromatic hydrocarbon in sample water	S. Shariati	Sep 2003
17	liquid-solid extraction of fatty acids of some variety of Iranian rice in closed vessel in the absence and presence of ultrasonic waves	M. R. Babaei	Jan. 2004
18	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	Ehsan Salamifar	Sep. 2005
19	Extraction and preconcentration of n-alkenes from water samples using headspace solvent microextraction and gas chromatographic determination.	M. R. Khalili Zanjani	Sep. 2005
20	Extraction of volatile compounds of two medicinal plants by headspace solvent microextraction an optimization of working conditions by the taguchi method	Masoumeh Dolatshahi pour	Sep. 2005
21	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^{2+} and HfO^{2+}	Ensieh Ghasemi	Sep. 2005
22	extraction and preconcentration of organ chlorine pesticides from water samples using liquid phase microextraction and gas chromatography	H. Farmahini Farahani	SEP2 006
23	Determination o 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 ₂ 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 antifungal 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 ₃ O ₄ 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 ₃ O ₄ 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 lidocaine from aqueous solutions	Rouhollah Feizbakhsh	Sep. 2011
44	Hollow fiber-based electro membrane extraction followed by high-performance liquid chromatography for extraction & determination of ephedrine in biological fluids	Saeedeh Molaee	Sep. 2011
45	Removal of nitrate from industrial wastewater and extraction of nitrate and lanthanides by magnetic nanocomposite of activated carbon	Fateme Tajabadi	Sep. 2011
46	Extraction of chlorophenoxy acid herbicides from environmental sample by supramolecular solvent and determination of perogestic drugs solubility in supercritical carbon dioxide	Moslem Tayyebi	July 2012
47	Application of electromembrane extraction for preconcentration some of alkaloids and pyridine derivatives	Ali Pourali	December 2012
48	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 stroides drugs in supercritical carbon dioxide	Hamid asiabi	May 2013
49	Simultaneous extraction of some β -blocker drugs and pyridine derivatives from biofluids by electromembrane extraction	Leila Arjomandi Behzad	June 2013
50	Application of solid-phase extraction combined with dispersive liquid-liquid microextraction for extraction ultra-trace amount of benzodiazepines in fruit juices and biological samples.	Masoumeh Gobadi	July 2013
51	Application of hollow fiber liquid phase microextraction for preconcentration and determination of harmonic drugs and two herbicides in real samples.	Mohammad Tajiki	June 2014
52	Development of microextraction method based on the coupling of electromembrane extraction and solid phase microextraction.	Elham Mohammadkhani	June 2014
53	Extraction of trace amounts of Cr(VI) and paraquat by ionic liquid modified silica coated magnetic nanoparticles	Farzad Latifeh	Sep. 2014
54	Application of self-assembled benzyl mercaptan coated fibers and manganese dioxide-polypyrrole nanocomposites in electromembrane solid phase microextraction	Maryam Shamsaye	May 2015
55	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	Maryam Amiri	July 2015

56	Application of hollow fiber liquid phase microextraction for preconcentration and determination of benzodiazepine drugs, aromatic amines and organophosphorus pesticides in real samples	Ali Nazaripour	Jan 2016
57	Nanocomposite coating synthesis and application in headspace solid phase microextraction to extract <i>n</i> -alkanes and phthalate esters from aqueous samples	Mahsa Nazraz	June 2016
58	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	Mahdi Khataei	July 2016
59	Electromembrane extraction via microfluidic devices	Mahrou Baharfar	July 2017
60	Synthesis of metal organic frameworks on the surface of adsorbents and their application for extraction of amounts of ultratrace environmental pollutants	Mehrzaad Shakourian	Sep. 2017
61	Synthesis of new adsorbents based on layer double hydroxides and their application for removal of environmental pollutants	Payam Omid	Sep. 2018
62	Preparation of copper-aluminum and magnesium-aluminum layered double hydroxides and their application for electromembrane extraction of biological samples and removal of heavy metals	Ghazaleh Javadian	Jan 2019
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

XV. SUPERVISOR FOR PhD STUDENTS

Row	Title	Student	Date
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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 membranes containing Cyanex 301	Homeira Ebrahimzadeh	July 2002
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 Ferula assafoetida, Carum copticum 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 Bana	Oct 2014
18	Emulsification liquid phase microextraction on-line coupled to high performance liquid chromatography	Behnam Ebrahimpour	Feb. 2015
19	Application of magnetic nanoparticles and ultrasound for extraction of natural products and some pollutants from various matrices	Manijeh Kandi Dayeni	Feb. 2015
20	Extraction and preconcentration of organic analytes and heavy metals by using of magnetite nanoparticles or metal organic framework	Meysam Safari	April 2016
21	Design of Dynamic Electromembrane Extraction	Yousef Abdossalami Asl	July 2016
22	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	Maryam Tajabadi	Aug 2016
23	Preparation of new in-tube solid phase microextraction tubes based on conductive polymers nanocomposites and their application for extraction of nonvolatile components	Hamid Asiabi	Nov 2016
24	Preparation of new solid phase microextraction fibers such as zinc oxide nanocomposites and their application for extraction of volatile components	Hatam Amanzadeh	Mar 2017
25	Development of micro-extraction methods for determination of trace amounts of food dyes, drugs and environmental pollutants	Mohammad Bazregar	Jan 2018
26	Formation of nanostructured supramolecular aggregates from Gemini surfactants and their applications in microextraction techniques	Neda Feizi Gilandeh	Mar 2018
27	Extraction of organic pollutants and speciation of metal ions by microextraction methods based on hollow membranes modified with organic solvent or nanocomposite	Mahnaz Nozhour Yazdi	Jun 2018
28	Preparation of some nanostructured supramolecular solvents based on ionic liquid, alkanol and decanoic acid surfactants and their applications in liquid phase microextraction techniques	Qamar Salamat	Jan 2019
29	In-tube solid phase microextraction based on nanocomposites consisting conductive polymers and layered double hydroxide	Maryam Shamsayei	Jan 2019
30	Electromembran and dispersive liquid-liquid microextraction on a chip	Monireh Karami	Sep. 2019
31	Preparation of new solid phase microextraction fibers based on carbon and polymer nanocomposites	Mostafa Ghaemmagami	Sep. 2019
32	Application of magnetic ionic liquid and mesostructures functionalized with ionic liquid in microextraction methods	Kobra Zavar Mousavi	Sep. 2020

33	Synthesis and applications of green extractants for removal and trace determination of some organic pollutants	Mahsa Nazraz	Jan. 2021
34	Porous framework-based nanocomposite adsorbents for extraction and removal of environmental pollutants including dyes, phthalate esters, and copper ion	Mohammad Mahdi Khataei	Nov. 2021
35	Design and fabrication of new solid phase microextraction apparatus based on nanostructures and their applications for extraction and analysis of pollutants and biomarkers	Mahmoud Tabibpour Dizaji	Jan 2022
36	Development of the state-of-art Microfluidics for On-Chip Sample Preparation	Mina Alidost	Jan. 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. 2023

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 ₂) and extraction of uranium using SF-CO ₂ 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 polypyrrole polymer	MSc	Hasan Khodaei Tazekendi	2003
7	Study and development of method for separation of ^{99m} Tc produced by the reaction ¹⁰⁰ Mo → ^{99m} Tc	MSc	Manoochehr Ghanbari	Feb. 2003
8	Determination of solubilities of some drugs in supercritical CO ₂	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 organo 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 dizepepam 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 Allium hirtifolium 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 ₃ O ₄ nanoparticles and Its Performance comparison with Fe ₃ O ₄ modified with chitosan in the removal of hexavalent chromium and Humic acid from aqueous	MSc	Adel Ahmadzadeh	Mar 2013

	solutions			
28	Application of simultaneous derivatization and microextraction followed by chromatographic-mass spectrometric techniques for identification and determination of some metabolites and biomarkers in humane body fluids.	PhD	Mohammad Taghi Naseri	June 2013
29	Microextraction and determination of diclofenac and diphenhydramine as acisic and basic drugs simultaneously using magnetic nanosorbent and tramadol by surfactant assisted organic drop	MSc	Narges Mollazadeh	Sep. 2013
30	Determiration 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 anthyroid 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 metabolomix using chromatographic and spectroscopic methods	PhD	Mohammad Javad Masrour	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 Rezagholi	Aug 2023
41	Development of chemometric methods based on sparsity constraint for analyzing metabolomics data	PhD	Niloofer Rahmani	October 2023
42	Optimization of conditions for removal of microplastics from aqueous solutions using	MSc	Parinaz Piran	Feb 2024

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، ۲۶-۲۵ فروردین ۱۳۷۲، 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، ۲۹-۲۷ بهمن ماه، ۱۳۷۷، دانشگاه تربیت مدرس، تهران، ایران.

14. یدالله یمینی، پرویز اشتری، علیرضا خانجی، 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، ۲۹-۲۷ بهمن ماه، ۱۳۷۷، 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 ۱، ۱-دی آزا-۱۰-دی بنزیل-۱۸-کراون-۶ در مخلوط حلالهای دو ...، سیزدهمین کنگره شیمی و مهندسی شیمی ایران، ۲۹-۲۷ بهمن ماه، ۱۳۷۷، دانشگاه تربیت مدرس، تهران، ایران.

16. عاطفه تمدن، یدالله یمینی، استخراج و اندازه گیری مقادیر ناچیز آهن به روش اسپکتروفوتومتری فاز جامد، سیزدهمین کنگره شیمی و مهندسی شیمی ایران، ۲۹-۲۷ بهمن ماه، ۱۳۷۷، دانشگاه تربیت مدرس، تهران، ایران.
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.
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.
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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, 6th 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, 21st 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, 21st 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, 21st ICS International Chemistry Congress, 26-28 July 2022, Azarbaijan Shahid Madani University, Tabriz, Iran.
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326. M. Samadifar, Y. Yamini, Microextraction by packed sorbent of selective and non-selective β -blocker drugs with chitosan@mof-199 bio-composite in human saliva, plasma, and urine samples, 21st 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, 21st ICS International Chemistry Congress, 26-28 July 2022, Azarbaijan Shahid Madani University, Tabriz, Iran.
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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**).