

Curriculum Vitae

Personal Data:

Name	Surname	Date of Birth	Nationality	Sex
<i>Mohammad Reza</i>	<i>Afshar Moghaddam</i>	<i>1986</i>	<i>Iranian</i>	<i>Male</i>

Telephone	Fax	Position	E-mail
041-33372250 / 227	041- 33344798	Food and Drug Safety Research Center	mr.afsharmogaddam@vhaoo.com ; Afsharmogaddam@tbzmed.ac.ir

H-Index	G-Index	Total ISI publications	Iranian Scientometric Information Database link
29	39	131	https://isid.research.ac.ir/MohammadReza_AfsharMogaddam

Educational Background: (Last One First)

Certificate Degree	Field of Specialization	Name of Institution Attended	Date Received
<i>M. S.</i>	<i>Analytical Chemistry</i>	<i>University of Tabriz</i>	<i>2009</i>
<i>Ph. D</i>	<i>Analytical Chemistry (separation methods)</i>	<i>University of Tabriz</i>	<i>2016</i>

Teaching Experiences: (Last One First)

Title of Course
Analytical Chemistry I
Analytical Chemistry II
Analytical Chemistry III
Instrumental Analysis
Advanced Analytical Chemistry
Separation Methods
Chromatography
Food Chemistry

Administrative Responsibilities: (Last One First)

Job Title	Place of Work	Date	Name of Institution
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		From	To	

Academic Positions: (Last One First)

Title of Position	Field of Specialization	Date		Name of Institution
		From	To	
Asistant Professor	Analytical Chemistry	2017	-	Tabriz University of Medical Sciences

Master and Doctorate Thesis Supervision or Advisors:

No	Full Name of Student	Level
1	Javad Azizi	M. S.
2	Mehri Sheykheddini	M. S.
3	Davoud Najafzadeh	M. S.
4	Neda Rastpour	M. S.
5	Farshad Sheykhi	M. S.
6	Payam Gonbari Milani	M. S.
7	Naser Mokhtari	M. S.
8	Sanaz Ahmad Zadeh	M. S.
9	Asghar Mardani	M. S.
10	Hassan Ebadnejad	M. S.
11	Mehri Bakhshizadeh	M. S.
12	Mahdi Aghanasab	M. S.
13	Ali Sadeghi	M. S.
14	Sakh Pezhhanfar	M. S.
15	Elham Zahiri	M. S.
16	Fatemeh Soltanmohammadi	M. S.
17	Masoumeh Jamshidi	M. S.
18	Fatemeh Khani	M. S.
19	Fatemeh Assadi	M. S.
20	Sanaz Kamrani	M. S.
21	Maryam Davaran	M. S.
22	Hassan Hamdollahi	M. S.
23	Mobin Masrouri	Pharm.D degree
24	Araz Bazaz	Pharm.D degree
25	Alireza Hassani	Pharm.D degree
26	Anahid Rezaeefar	Pharm.D degree
27	Pegah Farisi	Pharm.D degree
28	Faezeh Javanbakht	Pharm.D degree

Liquid phase microextraction of pesticides: A review on current methods	Microchimica acta	
Development of a new microextraction method based on elevated temperature dispersive liquid-liquid microextraction for determination of triazole pesticides residues in honey by gas chromatography-nitrogen phosphorus detection	Journal of Chromatography A	
Extraction and enrichment of triazole and triazine pesticides from honey using air-assisted liquid-liquid microextraction	Journal of Food Science	
Determination of Some Synthetic Phenolic Antioxidants and Bisphenol A in Honey Using Dispersive Liquid-Liquid Microextraction Followed by Gas Chromatography-Flame Ionization	Food Analytical Methods	
Development of counter current salting-out homogenous liquid-liquid extraction for isolation and preconcentration of some pesticides from aqueous samples	Analytica Chimica Acta	
Microextraction methods for the determination of phthalate esters in liquid samples: A review	Journal of Separation Science	
Determination of triazole pesticide residues in edible oils using air-assisted liquid-liquid microextraction followed by gas chromatography with flame ionization detection	Journal of Separation Science	
Determination of unconjugated non-steroidal anti-inflammatory drugs in biological fluids using air-assisted liquid-liquid microextraction combined with back extraction followed by high performance liquid chromatography	Analytical Methods	
Polyol-enhanced dispersive liquid-liquid microextraction coupled with gas chromatography and nitrogen phosphorous detection for the determination of organophosphorus pesticides from aqueous samples, fruit juices, and vegetables	Journal of Separation Science	
Determination of neonicotinoid insecticide residues in edible oils by water-induced homogeneous liquid-liquid extraction and dispersive liquid-liquid extraction followed by high performance liquid chromatography-diode array detection	RSC Advances	
Surfactant-less water emulsion based dispersive liquid-liquid microextraction for determination of organophosphorus pesticides in aqueous samples	Analytical Methods	
An elevated temperature-dispersive liquid-liquid microextraction method combined with GC-flame ionization detection as a sensitive method for determining phthalate esters	Analytical Methods	
A sensitive and efficient method for trace analysis of some phenolic compounds using simultaneous derivatization and air-assisted liquid-liquid microextraction from human urine and plasma samples followed by gas chromatography-nitrogen phosphorous detection	Biomedical Chromatography	
Deep eutectic solvent-based dispersive liquid-liquid microextraction	Analytical Methods	
Application of elevated temperature-dispersive liquid-liquid microextraction for determination of organophosphorus pesticides residues in aqueous samples followed by gas chromatography-flame ionization detection	Food Chemistry	
Simultaneous synthesis of a deep eutectic solvent and its application in liquid-liquid microextraction of polycyclic aromatic hydrocarbons from aqueous samples	RSC Advances	
Development of a new extraction method based on counter current salting-out homogenous liquid-liquid extraction followed by dispersive liquid-liquid microextraction: Application for the extraction	Talanta	
Development of molecularly imprinted-solid phase extraction combined with dispersive liquid-liquid microextraction for selective extraction and preconcentration of triazine herbicides from aqueous samples	Journal of The Iranian Chemical Society	
Combination of homogenous liquid-liquid extraction and dispersive liquid-liquid microextraction for extraction and preconcentration of amantadine from biological samples followed by its indirect determination by flame atomic absorption spectrometry	RSC Advances	
Determination of widely used non-steroidal anti-inflammatory drugs in biological fluids using simultaneous derivatization and air-assisted liquid-liquid microextraction followed by gas	Journal of The Iranian Chemical Society	
Ringer tablet-based ionic liquid phase microextraction: Application in extraction and preconcentration of neonicotinoid insecticides from fruit juice and vegetable samples	Talanta	
Development of a dispersive liquid-liquid microextraction method based on solidification of a floating ionic liquid for extraction of carbamate pesticides from fruit juice and vegetable samples	RSC Advances	
Low-density-solvent-based air-assisted liquid-liquid microextraction followed by gas chromatography with flame ionization detection for the determination of synthetic phenolic antioxidants in milk samples	Journal of Separation Science	

Acid-base reaction-based dispersive liquid-liquid microextraction method for extraction of three classes of pesticides from fruit juice samples	Journal of Chromatography A	
Development of dynamic headspace-liquid phase microextraction method performed in a home-made extraction vessel for extraction and preconcentration of 1,4-dioxane from shampoo	Journal of The Iranian Chemical Society	
Development of a New Dynamic Headspace Liquid-Phase Microextraction Method	Chromatographia	
Development of a new version of homogenous liquid-liquid extraction based on an acid-base reaction: Application for extraction and preconcentration of aryloxyphenoxy-propionate pesticides from fruit juice and vegetable samples	RSC Advances	
Ion-Pair-Based Air-Assisted Liquid-Liquid Microextraction for the Extraction and Preconcentration of Phthalic Acids from Aqueous Samples	Food Analytical Methods	
Determination of synthetic phenolic antioxidants in biological fluids based on airassisted liquid-liquid microextraction followed by gas chromatography-flame ionization detection	Analytical and Bioanalytical Chemistry Research	
Low Density Solvent Ion Pair Dispersive Liquid-Liquid Micro-Extraction – An Economic Method for Extraction of Phthalic Acids	Clean - Soil, Air, Water	
Coupling of homogeneous liquid-liquid extraction and dispersive liquid-liquid microextraction for the extraction and preconcentration of polycyclic aromatic hydrocarbons from aqueous samples followed by GC with flame ionization detection	Journal of Separation Science	
Ionic Liquid-Based Air-Assisted Liquid-Liquid Microextraction for the Extraction and Preconcentration of Aryloxyphenoxypropionate Herbicides from Aqueous and Vegetable Samples Followed by HPLC-DAD	Food Analytical Methods	
Air-assisted liquid liquid microextraction combined with graphite furnace atomic absorption spectrometry for preconcentration and determination of trace amount of Co(II) and Ni(II) ions in water samples	Analytical and Bioanalytical Chemistry Research	
Development of Heat-Induced Homogeneous Liquid-Liquid Microextraction for Extraction and Preconcentration of Neonicotinoid Insecticides from Fruit Juice and Vegetable Samples	Food Analytical Methods	
Evaluation of vitamin D3 and D2 stability in fortified flat bread samples during dough fermentation, baking and storage	Advanced Pharmaceutical Bulletin	
Extraction and preconcentration of triazine pesticides using rapid, simple, and disperser solventless microextraction technique followed by gas chromatography–nitrogen phosphorous detection	European Journal of Lipid Science and Technology	
Determination of migrated phthalic acid residues into edible oils using a green mode of air-assisted liquid-liquid microextraction followed by high-performance liquid chromatography–diode array detector	Journal of The Iranian Chemical Society	
Development of solidification of floating organic drops liquid-liquid microextraction in a newly designed extraction device	New Journal of Chemistry	
Development of a new temperature-controlled liquid phase microextraction using deep eutectic solvent for extraction and preconcentration of diazinon, metalaxyl, bromopropylate, oxadiazon, and fenazaquin pesticides from fruit juice and vegetable samples followed by gas chromatography-flame	Journal of Food Composition and Analysis	
Simultaneous derivatization and air-assisted liquid-liquid microextraction based on solidification of lighter than water deep eutectic solvent followed by gas chromatography–mass spectrometry: An efficient and rapid method for trace analysis of aromatic amines in aqueous samples	Analytica Chimica Acta	
Combination of dispersive solid phase extraction and deep eutectic solvent-based air-assisted liquid-liquid microextraction followed by gas chromatography–mass spectrometry as an efficient analytical method for the quantification of some tricyclic antidepressant drugs in biological fluids	Journal of Chromatography A	
Development of salt and pH-induced solidified floating organic droplets homogeneous liquid-liquid microextraction for extraction of ten pyrethroid insecticides in fresh fruits and fruit juices followed by gas chromatography-mass spectrometry	Talanta	
Development of Salt-Induced Homogenous Liquid-Liquid Microextraction Based on iso-Propanol/Sodium Sulfate System for Extraction of Some Pesticides in Fruit Juices	Food Analytical Methods	
Determination of tricyclic antidepressants in human urine samples by the three-step sample pretreatment followed by hplc-uv analysis: An efficient analytical method for further pharmacokinetic and forensic studies	Excli Journal	
A lighter-than-water deep eutectic-solvent-based dispersive liquid-phase microextraction method in a U-shaped homemade device	New Journal of Chemistry	
Combination of Vortex-Assisted Liquid-Liquid Extraction and Air-Assisted Liquid-Liquid Microextraction for the Extraction of Bisphenol A and Bisphenol B in Canned Doogh Samples	Food Analytical Methods	

Simultaneous derivatization and lighter-than-water air-assisted liquid–liquid microextraction using a homemade device for the extraction and preconcentration of some parabens in different samples	Journal of Separation Science	
Headspace mode of liquid phase microextraction: A review	TrAC - Trends in Analytical Chemistry	
Combination of a modified quick, easy, cheap, efficient, rugged, and safe extraction method with a deep eutectic solvent based microwave-assisted dispersive liquid–liquid microextraction: Application in extraction and preconcentration of multiclass pesticide residues in tomato samples	Journal of Separation Science	
Dispersive liquid–liquid microextraction based on solidification of deep eutectic solvent droplets for analysis of pesticides in farmer urine and plasma by gas chromatography–mass spectrometry	Journal of Chromatography B	
Deep eutectic solvent based homogeneous liquid–liquid extraction coupled with in-syringe dispersive liquid–liquid microextraction performed in narrow tube; application in extraction and preconcentration of some herbicides from tea	Journal of Separation Science	
Development of deep eutectic solvent based solidification of organic droplets-liquid phase microextraction; Application to determination of some pesticides in farmers saliva and exhaled breath condensate samples	Analytical Methods	
Development of microwave-assisted liquid-liquid extraction combined with lighter than water in syringe dispersive liquid-liquid microextraction using deep eutectic solvents: Application in extraction of some herbicides from wheat	Microchemical Journal	
Development of green sodium sulfate-induced solidification of floating organic droplets–dispersive liquid phase microextraction method: Application to extraction of four antidepressants	Biomedical Chromatography	
Analysis of Endocrine-Disrupting Compounds from Cheese Samples Using Pressurized Liquid Extraction Combined with Dispersive Liquid–Liquid Microextraction Followed by High-Performance Liquid Chromatography	Food Analytical Methods	
Pivaloyl chloride as a new derivatization agent for parabens and its application in simultaneous derivatization and air-assisted liquid–liquid microextraction of the analytes in hygiene and personal care products	Journal of The Iranian Chemical Society	
In matrix formation of deep eutectic solvent used in liquid phase extraction coupled with solidification of organic droplets dispersive liquid-liquid microextraction; application in determination of some pesticides in milk samples	Talanta	
Air–assisted liquid–liquid microextraction; principles and applications with analytical instruments	TrAC - Trends in Analytical Chemistry	
Development of a stir bar sorptive extraction method coupled to solidification of floating droplets dispersive liquid–liquid microextraction based on deep eutectic solvents for the extraction of acidic pesticides from tomato samples	Journal of Separation Science	
Development of organic solvents-free mode of solidification of floating organic droplet–based dispersive liquid–liquid microextraction for the extraction of polycyclic aromatic hydrocarbons from honey samples before their determination by gas chromatography–mass spectrometry	Journal of Separation Science	
Hollow fiber–liquid phase microextraction method based on a new deep eutectic solvent for extraction and derivatization of some phenolic compounds in beverage samples packed in plastics	Talanta	
A new and facile method for preparation of amorphous carbon nanoparticles and their application as an efficient and cheap sorbent for the extraction of some pesticides from fruit juices	Microchemical Journal	
Preparation of ferrofluid from toner powder and deep eutectic solvent used in air-assisted liquid-liquid microextraction: Application in analysis of sixteen polycyclic aromatic hydrocarbons in urine and saliva samples of tobacco smokers	Microchemical Journal	

Synthesis and characterization of phosphocholine chloride-based three-component deep eutectic solvent: application in dispersive liquid–liquid microextraction for determination of organothiophosphate pesticides	Journal of the Science of Food and Agriculture	
Preparation of a new three-component deep eutectic solvent and its use as an extraction solvent in dispersive liquid–liquid microextraction of pesticides in green tea and herbal distillates	Journal of the Science of Food and Agriculture	
Elevated Temperature Homogeneous Liquid Phase Extraction Coupled to Ionic Liquid–Based Dispersive Liquid–Liquid Microextraction Followed by High-Performance Liquid Chromatography: Application of Water-Miscible Ionic Liquids as Extraction Solvent in Determination of Carbamate Pesticides	Food Analytical Methods	
Ferrofluid-based dispersive liquid-liquid microextraction using a deep eutectic solvent as a support: Applications in the analysis of polycyclic aromatic hydrocarbons in grilled meats	Analytical Methods	
Combination of dispersive solid phase extraction with solidification organic drop–dispersive liquid–liquid microextraction based on deep eutectic solvent for extraction of organophosphorous pesticides from edible oil samples	Journal of Chromatography A	
A sensitive determination of triazole pesticides in grape juice by combining solid phase extraction–dispersive liquid–liquid microextraction followed by gas chromatography–flame ionisation detection	International Journal of Environmental Analytical Chemistry	
Stir bar sorptive extraction combined with deep eutectic solvent-based dispersive liquid–liquid microextraction: application in simultaneous derivatisation and extraction of acidic pesticides	International Journal of Environmental Analytical Chemistry	
Dispersive solid phase extraction combined with solidification of floating organic drop–liquid–liquid microextraction using in situ formation of deep eutectic solvent for extraction of phytosterols from edible oil samples	Journal of Chromatography A	
Application of a modified lighter than water organic solvent-based air-assisted liquid–liquid microextraction method for the efficient extraction of aflatoxin M1 in unpasteurized milk samples	International Journal of Environmental Analytical Chemistry	
Application of natural deep eutectic solvents-based in-syringe dispersive liquid-liquid microextraction for the extraction of five acaricides in egg samples	International Journal of Environmental Analytical Chemistry	
Application of temperature-assisted tandem dispersive liquid–liquid microextraction for the extraction and high preconcentration of triazole pesticides	International Journal of Environmental Analytical Chemistry	
Determination of three antibiotic residues in hamburger and cow liver samples using deep eutectic solvents based pretreatment method coupled with ion mobility spectrometry	International Journal of Environmental Analytical Chemistry	
Simultaneous application of deep eutectic solvent as extraction solvent and ion-pair agent in liquid phase microextraction for the extraction of biogenic amines from tuna fish samples	Microchemical Journal	
Preparation of magnetized polycaprolactone composite and its use in stirring–dependent magnetic dispersive solid phase extraction combined with dispersive liquid–liquid microextraction	Microchemical Journal	

Development of Salt Induced Liquid–Liquid Extraction Combined with Amine Based Deep Eutectic Solvent-Dispersive Liquid–Liquid Microextraction; An Efficient Analytical Method for Determination of Three Anti-Seizures in Urine Samples	Pharmaceutical Science	
A three-phase solvent extraction system combined with deep eutectic solvent-based dispersive liquid–liquid microextraction for extraction of some organochlorine pesticides in cocoa samples prior to gas chromatography with electron capture detection	Journal of Separation Science	
Determination of morphine and oxymorphone in exhaled breath condensate samples: Application of microwave enhanced three–component deep eutectic solvent-based air–assisted liquid–liquid microextraction and derivatization prior to gas chromatography–mass spectrometry	Journal of Chromatography B	
In-process prepared deep eutectic solvent based homogeneous liquid–liquid microextraction for the determination of irgaphos 168 and irganox 1010 in polypropylene packed drinks	Journal of Separation Science	
Development of a stirring–assisted ferrofluid–based liquid phase microextraction method coupled with dispersive liquid–liquid microextraction for the extraction of some widely used pesticides from herbal distillates	International Journal of Environmental Analytical Chemistry	
Combination of homogeneous liquid–liquid extraction and dispersive liquid–liquid microextraction for extraction of some organochlorine pesticides from cocoa	International Journal of Environmental Analytical Chemistry	
Endocrine-disrupting compounds surveying in polyethylene packed injection solutions using microwave-accelerated air-assisted liquid–liquid microextraction based on solidification of deep eutectic solvent	Separation Science and Technology	
Development of microwave radiations–induced homogeneous liquid–liquid microextraction method for extraction of pyrethroid pesticides in fruit and vegetable samples	International Journal of Environmental Analytical Chemistry	
Deep eutectic solvent-based QuEChERS method combined with dispersive liquid–liquid microextraction for extraction of benzoylurea insecticides in cabbage leaves samples	International Journal of Environmental Analytical Chemistry	
Derivatization and deep eutectic solvent-based air–assisted liquid–liquid microextraction of salbutamol in exhaled breath condensate samples followed by gas chromatography-mass spectrometry	Journal of Pharmaceutical and Biomedical Analysis	
Development of homogeneous liquid-liquid extraction combined with dispersive liquid-liquid microextraction based on solidification of floating droplets of a ternary component deep eutectic solvent for the analysis of antibiotic residues in sausage samples prior to ion mobility spectrometry	Analytical Methods	
Development and Validation of a Simple and Rapid HPLC Method for the Evaluation of Pesticide Residues in Plasma Samples of Farmers; Application in Toxicological and Risk Assessment Studies	Pharmaceutical Science	

Lighter than water dispersive liquid-liquid microextraction coupled with high performance liquid chromatography for determination of cholecalciferol and calcifediol from plasma	Analytical and Bioanalytical Chemistry Research	
Detection and determination of some migrated chemicals from plastic containers into different drinks and liquids using dispersive liquid-liquid microextraction prior to gas chromatography	Analytical and Bioanalytical Chemistry Research	
Control of organophosphorus pesticides residues in honey samples using a miniaturized tandem preconcentration technique coupled with high performance liquid chromatography	Pharmaceutical Science	
Descriptions in toxicology, interactions, extraction, and analytical methods of Aflatoxins; a 10-year study performed in Iranian foodstuffs	International Journal of Environmental Analytical Chemistry	
Development of in-situ synthesis of lighter than water deep eutectic solvents under ultrasonic energy in a narrow tube and application in liquid-phase microextraction	International Journal of Environmental Analytical Chemistry	
Extraction of some antibiotics from propolis samples using homogenous liquid-liquid extraction coupled with deep eutectic solvent-based hollow fibre protected preconcentration	International Journal of Environmental Analytical Chemistry	
Combination of dispersive solid phase extraction with lighter than water dispersive liquid-liquid microextraction for the extraction of organophosphorous pesticides from milk	International Journal of Environmental Analytical Chemistry	
Simultaneous homogeneous liquid-liquid microextraction and dispersive liquid-liquid microextraction for extraction of some plasticizers from polymeric containers and aqueous samples	International Journal of Environmental Analytical Chemistry	
An overview on analytical methods for quantitative determination of aristolochic acids	Current Analytical Chemistry	
Development of an ultrasonic-assisted and effervescent tablet-assisted dispersive liquid-liquid microextraction based on ionic liquids for analysis of benzoylurea insecticides	International Journal of Environmental Analytical Chemistry	
Evaluation of heavy metals (Cd, Cr, Hg, Ni, As, and Pb) concentration in salt samples of Lake Urmia, Iran	International Journal of Environmental Analytical Chemistry	
Development of simultaneously salt and ultrasonic-assisted liquid phase microextraction for the extraction of neonicotinoid insecticides from fresh fruit juices and fruit juices	International Journal of Environmental Analytical Chemistry	

Dispersive liquid–liquid microextraction method for the extraction of acidic pesticides in edible oils; application of short-chain organic acids as co–disperser and protonation agent	International Journal of Environmental Analytical Chemistry	
Development of an ultrasonic and heat-assisted liquid–liquid extraction method combined with deep eutectic solvent-based dispersive liquid–liquid microextraction for the extraction of some phytosterols from cow milk butter samples	Journal of The Iranian Chemical Society	
Combining a liquid-liquid extraction with successive air assisted liquid-liquid microextraction for the analysis of phytosterols present in animal based butter and oil samples	Journal of Chromatography A	
Development of temperature-assisted solidification of floating organic droplet-based dispersive liquid–liquid microextraction performed during centrifugation for extraction of organochlorine pesticide residues in cocoa powder prior to GC-ECD	Chemical Papers	
Dispersive solid phase extraction combined with in syringe deep eutectic solvent based dispersive liquid–liquid microextraction for determination of some pesticides and their metabolite in egg samples	Journal of Food Composition and Analysis	
Molecularly imprinted polymer based-solid phase extraction combined with dispersive liquid–liquid microextraction using new deep eutectic solvent; selective extraction of valproic acid from exhaled breath condensate samples	Microchemical Journal	
Breathomics: Review of Sample Collection and Analysis, Data Modeling and Clinical Applications	Critical Reviews in Analytical Chemistry	
Combination of solvent extraction with deep eutectic solvent based dispersive liquid–liquid microextraction for the analysis of aflatoxin M1 in cheese samples using response surface methodology optimization	Journal of Separation Science	
Dispersive solid phase extraction based on simply prepared nitrogen-doped amorphous carbon nanocomposite combined with dispersive liquid–liquid microextraction: application in the extraction of some pesticides from fruit juices	Journal of The Iranian Chemical Society	
Development of a Stirring-Dependent Magnetic Dispersive Solid Phase Extraction Method Coupled with Ferrofluid-Based Dispersive Liquid–Liquid Microextraction for the Extraction of Some Pyrethroid Pesticides from Fruit Juices	Food Analytical Methods	
Facile preparation of nitrogen–doped amorphous carbon nanocomposite as an efficient sorbent in dispersive solid phase extraction	Food Analytical Methods	

Combination of pressurised liquid extraction with dispersive liquid-liquid microextraction method for the extraction of some pesticides and their related metabolites from chicken liver	Food Analytical Methods	
Preparation of multiwall carbon nanotube/urea-formaldehyde nanocomposite as a new sorbent in solid-phase extraction and its combination with deep eutectic solvent-based dispersive liquid-liquid microextraction for extraction of antibiotic residues in honey	Journal of Separation Science	
Development of a green in-situ derivatization and deep eutectic solvent-based dispersive liquid-liquid microextraction method for analysis of short-chain fatty acids in beverage samples optimized by response surface methodology	Microchemical Journal	
Development of a surfactant-assisted dispersive solid phase extraction using deep eutectic solvent to extract four tetracycline antibiotics residues in milk samples	Journal of Separation Science	
Development of an Ion-Pair Dispersive Liquid-Liquid Microextraction Method Based on a Ternary Deep Eutectic Solvent for Determination of Some Herbicide Residues in Edible Oil Samples	Journal of Chromatographic Science	
Development of derivatization/air-assisted liquid-liquid microextraction procedure for analyzing short-chain fatty acids; assessment of the analytes in fruit juice samples	Separation Science plus	
Solution decomposition of deep eutectic solvents in pH-induced solidification of floating organic droplet homogeneous liquid-liquid microextraction for the extraction of pyrethroid pesticides from milk	Analytical Methods	
Development of an ultrasonic and heat-assisted liquid-liquid extraction method combined with deep eutectic solvent-based dispersive liquid-liquid microextraction for the extraction of some phytosterols from cow milk butter samples	Journal of The Iranian Chemical Society	
Determination of Adulteration of Lime Juices in Tabriz Based on Measurement of Phenolic Compounds by Spectrometry and Chromatography	Journal of Health	
کاربرد روش جدید میکرواستخراج برای اندازهگیری آفتکشهای اورگانوفسفره در آبمیوه به روش کروماتوگرافی مایع با کارایی بالا	بهداشت مواد غذایی	
تشخیص و اندازهگیری تعدادی از آفتکشهای پایرتروئیدی در نمونههای سبزی با کروماتوگرافی گازی کوپلشده به اسپکترومتری	بهداشت مواد غذایی	

استخراج و اندازه‌گیری حشره‌کشهای بنزوئیل‌اوره در برخی میوه‌ها به روش میکرواستخراج فاز مایع پخشی و کروماتوگرافیمایع با کارایی بالا	بهداشت مواد غذایی	

Projects

No	Project title
1	بررسی مقادیر تعدادی از آفتکش‌های پرکاربرد شامل آمیتراز، فیپرونیل، فیپرونیل سولفون، کارباریل و سایپرمترین در تخم مرغ‌های مورد استفاده در صنایع غذایی در استان آذربایجان شرقی
2	استخراج و اندازه‌گیری برخی از ترکیبات فنولی در نمونه‌های آب بسته‌بندی، آب آشامیدنی، آب سطحی و آب زیرزمینی با استفاده از میکرواستخراج فاز مایع مبتنی بر فیبر توخالی با حلال‌های اتکتیک و کروماتوگرافی گازی مجهز به اسپکترومتر جرمی
3	تلفیق روش مشتق‌سازی و استخراج با میله همزن جاذب با میکرواستخراج مایع-مایع پخشی مبتنی بر حلال‌های اتکتیک همراه به منظور استخراج و پیش‌تغلیظ برخی از آفتکش‌های اسیدی شامل MCPA، 2,4-D، dalapon، fenoxaprop و haloxyfop از نمونه‌های میوه و سبزیجات و اندازه‌گیری آن‌ها با کروماتوگرافی گازی مجهز به دکتور اسپکترومتر جرمی
4	توسعه روش میکرواستخراج فاز مایع مبتنی بر زوج یون بر پایه حلال‌های اتکتیک به منظور استخراج و پیش‌تغلیظ تعدادی از آمین‌های بیوژنیک (tyramine، histamine، spermine و spermidine) از نمونه‌های کنسرو ماهی تون
5	بررسی میزان باقیمانده برخی از آفت‌کش‌های پرکاربرد (phosalone، diazinon، simazine، metribuzin، prometryn، ametryn، fenazaquin، oxadiazon، dalapon، fluazifop، fenoxaprop، haloxyfop، terbutryn، deltamethrin، fenpropathrin) در نمونه‌های آبمیوه و عرقیات گیاهی مصرفی در سطح استان آذربایجان شرقی با استفاده از تلفیق میکرواستخراج میله همزن پخشی مبتنی بر حلال مغناطیسی با میکرواستخراج مایع-مایع پخشی و اندازه‌گیری آنها با HPLC و GC
6	پایش حشره‌کش‌های فیپرونیل، آمیتراز و سایپرمترین و متابولیت آنها در نمونه‌های گوشت، تخم و جگر مرغ با استفاده از روش کروماتوگرافی گازی

7	توسعه روش های میکرواستخراج مایع-مایع پخشی بدون حلال پخش کننده به منظور استخراج برخی از پلاستی سایزر ها از نمونه های آبی مختلف و اندازه گیری آن ها با کروماتوگرافی گازی مجهز به دتکتور اسپکترومتر جرمی
8	توسعه و کاربرد روش میکرواستخراج مایع-مایع هموزن در داخل ظرف استخراج دست ساز به منظور استخراج و پیش تغلیظ تعدادی از آفتکشهای اورگانو کلره و اورگانوفسفره از نمونه های آبی و غذایی و آنالیز آنها توسط کروماتوگرافی گازی
9	اندازه گیری باقی مانده ی تعدادی از آفتکش های پر کاربرد از نمونه های آب میوه و سبزیجات به روش میکرواستخراج مایع-مایع پخشی مبتنی بر حلال های انتکتیک کوپل شده با کروماتوگرافی گازی
10	تعیین باقی مانده ی حشره کش های کارباماتی (Methiocarb, Alidicarb, Pirimicarb و Carbaryl) از نمونه های آب میوه و سبزیجات به روش میکرواستخراج مایع-مایع پخشی کوپل شده با استخراج فاز مایع کنترل شده با دما و اندازه گیری آنها با
11	تعیین باقیمانده ی آفت کش های اورگانوفسفره (Fenthion, Chloropyrifos, Terbufos, Isazofos, Diazinon) در نمونه های عسل آذربایجان شرقی و غربی به روش میکرواستخراج مایع-مایع پخشی با حلال های انتکتیک و اندازه گیری آن ها با GC
12	تعیین باقی مانده آفتکش های اسیدی (Fenoxaprop, Fluazifop و Haloxyfop) در نمونه های روغن گیاهی خوراکی مهم با روش میکرو استخراج مایع-مایع پخشی و اندازه گیری با HPLC
13	میکرو استخراج کاربامازپین به منظور اندازه گیری در نمونه های بیولوژیک با استفاده از گاز کروماتوگرافی
14	توسعه روش میکرواستخراج مایع-مایع کمک شده با هوا به منظور استخراج و پیش تغلیظ موثر افلاتوکسین MI از نمونه های شیر و اندازه گیری آن با کروماتوگرافی مایع با کارایی بالا
15	توسعه روش استخراج فاز جامد مینیا توری از فضای فوقانی به منظور استخراج 1و4-دی اکسان و 2-متیل-1و3-دی اکسالان از نمونه های آرایشی و بهداشتی و وارد سازی آن با هالوفیبر توخالی به کروماتوگرافی گازی مجهز به اسپکترومتر جرمی
16	استخراج و پیش تغلیظ افلاتوکسین MI بر پایه حلال های انتکتیک عمیق از نمونه های پنیر
17	بررسی میزان باقیمانده آفت کش های ارگانوکلره در نمونه های پودر و دانه کاکائو با استفاده از روش میکرواستخراج مایع-مایع پخشی بر پایه حلال های آلی و یونی تلفیق شده با کروماتوگرافی گازی مجهز به دتکتور ربایش الکترونی

18	بررسی میزان استرول‌های گیاهی در نمونه‌های کره و روغن‌های حیوانی به روش میکرواستخراج مایع-مایع پخشی کوپل شده با کروماتوگرافی گازی
19	توسعه روش اندازه گیری برای متابولیت های هیدروکسیله هیدروکربن های پلی آروماتیک چند حلقه ای در بازدم افراد سیگاری و قلبانی
20	توسعه یک روش جدید بر پایه میکرواستخراج فاز مایع به منظور استخراج همزمان برخی از آنتی بیوتیک ها از نمونه های شیر، عسل و تخم مرغ و اندازه گیری آن ها با کروماتوگرافی مایع با کارایی بالا-اسپکترومتر جرمی متوالی
21	توسعه یک روش کارا مبتنی بر استخراج مایع-مایع پخشی به منظور استخراج برخی از آفتکش های پرکاربرد در نمونه های شیر گاو و خامه مصرفی در سطح استان آذربایجان شرقی و اندازه گیری آنها با HPLC
22	استخراج و مشتق سازی همزمان برخی از آلاینده های آمینی و فنولی در نمونه های آبی و زیست محیطی و اندازه گیری آن ها با روش کروماتوگرافی گازی- مجهز به دکتور اسپکترومتر جرمی
23	اندازه گیری باقی مانده اتلین اکساید در لوازم پزشکی استریل شده با اتیلن اکساید با روش میکرواستخراج فاز مایع بر پایه حلال های اتکتیک محافظت شده با غشای فیبر تو خالی و اندازه گیری آن با کروماتوگرافی گازی مجهز به اسپکترومتر جرمی
24	استخراج و مشتق سازی همزمان برخی اسیدهای چرب کوتاه زنجیر و اندازه گیری میزان آن ها در نمونه های آبمیوه و محصولات لبنی تخمیری با استفاده از روش کروماتوگرافی گازی
25	توسعه روش میکرواستخراج مایع-مایع پخشی بر پایه مایعات مغناطیسی به منظور استخراج تعدادی از آلاینده های هیدروکربن پلی آروماتیک چند حلقه ای در فرآورده های آرایشی چشمی به روش کروماتوگرافی گازی
26	استخراج هیستامین از کنسرو ماهی تن به روش پلیمر قالب مولکولی و تعیین مقدار آن به روش کروماتوگرافی گازی
27	توسعه یک روش میکرواستخراج فاز جامد مینیاتوری از فضای فوقانی کوپل شده با میکرواستخراج مایع-مایع پخشی به منظور استخراج و پیش تغلیظ باقیمانده تعدادی از حلال های آلی در برخی از فرآورده های دارویی گیاهی
28	تهیه فرمولاسیون بهینه محلول بر پایه نانو امولسیون اسید سیتریک و اسانس های گیاهی حاوی تیمول

29	اندازه گیری تعدادی از ترکیبات فسفولیبیدی در نمونه های بازدم نوزدان نارس تحت درمان با سورفکتانت های ریوی
30	توسعه یک روش استخراج فاز جامد پخشی بر پایه جاذب جدید کربنی دوپه شده با نیتروژن و گوگرد به منظور استخراج و اندازه گیری کروماتوگرافی مایع برخی از مایکوتوکسین ها در نمونه شیر سویا
31	استخراج فاز جامد پخشی (DSP) با نانو مواد و تعیین مقدار جنتامایسین در نمونه های مواد غذایی با استفاده از روشهای کروماتوگرافی مایع
32	توسعه و کاربرد روش کروماتوگرافی مایع برای اندازه گیری همزمان فلزات مس، سرب و آلومینیم در آب آشامیدنی و نمونه های پلاسما
33	توسعه روش استخراج فاز جامد مبتنی بر جاذب نانوپایز کربنی به منظور استخراج باقیمانده برخی سموم آلی در مواد غذایی و اندازه گیری آنها با کروماتوگرافی گازی
34	تعیین پروفایل ناخالصی های موجود در دارو های مورفین و متادون بر اساس شیوه میکرواستخراج مایع-مایع به وسیله حلال اتکتیک کوپل شده باروش کروماتوگرافی مجهز به دتکتور یونیزاسیون شعله ای و اسپکترومتر جرمی
35	مطالعه متابولومیکس روی بازدم تنفسی جهت شناسایی بیومارکر های غیر تنهاجمی جدید در بیماران مبتلا به سرطان معده
36	اندازه گیری برخی از داروهای بنزودیازپینی از نمونه های بازدم با استفاده از کروماتوگرافی گازی

Research Interests:

Separations Methods
Sample Preparation

Language Proficiency:

Language	Degree of Proficiency											
	Writing				Reading				Speaking			
	Native	Good	Fair	Poor	Native	Good	Fair	Poor	Native	Good	Fair	Poor

Turkish	√				√				√			
Farsi	√				√				√			
English		√				√				√		