Rouhollah Khani

Associate Professor

Faculty: Science

Department: Chemistry

Education

Degree	Graduated in	Major	University
MSc	2010	Analytical chemistry	University of Tehran
Ph.D	2014	Analytical Chemistry	University of Tehran

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
University of Birjand		Tenured	Full Time	10

Awards

1) Rank no.1 in M.SC. Graduate student of University of Tehran, Sep. 2010.

2) Rank no.2 in ph.D entrance examination of University of Tehran.

Subjects Taught

Chemometrics

Chemical and Physical Separation Methods

Advanced Instrumental Analysis Methods

Atomic & Molecular Spectroscopy

Advanced Analytical Chemistry

Analytical Chemistry I, II and III

Separation Methods in Chemistry

General Chemistry II

Papers in Conferences

1. Rouhollah Khani,Mahdiyeh Rahmani,Hossein Dadrasmoghaddam ,Photocatalytic degradation of Alizarin Red S dye from aqueous media under visible light using ZIF-8/ g-C3N4 nanocomposite یازدهمین سمینار بین المللی شیمی و محیط زیست, تبریز, 27 08 2024, pp. 0-0.
2. Rouhollah Khani,Paria Jamshidi Najafabadi,Hossein Dadrasmoghaddam ,Separation and determination of Bisphenol A in water and food samples by MIL-101(Fe) as sorbent and multivariate optimization یازدهمین سمینار بین المللی شیمی و محیط زیست, تبریز, 27 08 2024, pp. 0-0.
3. Rouhollah Khani,Zahra Khaleghi,Maryam Moudi ,CoFe2O4/GO nanocomposite as a reusable magnetic sorbent for determination trace amounts of vitamin B9 in food samples یازدهمین سمینار بین المللی شیمی و محیط زیست, تبریز, 27 08 2024, pp. 0-0.
4. Rouhollah Khani,Samira Rashidi hematabadi,Alireza Farrokhi ,Synthesis and performance evaluation of zeolitic imidazolate metal-organic framework hybrid nanocomposite based on carbon nanotubes for determination of diclofenac in food and biological samples نهمین سمینار ملی دوسالانه کمومتریکس ایران, قزوین, 18 10 2023, pp. 0-0,
5. Rouhollah Khani,Zahra Khaleghi,Maryam Moudi ,Trace Determination of Vitamins B3 in Food Samples Based on Graphene oxide - cobalt ferrite Nanocomposite and Antibacterial assay نهمین سمینار ملی دوسالانه کمومتریکس ایران, قزوین, 18 10 2023, pp. 0-0.
6. روح اله خانی,قدسیه باقرزاده,راضیه شیخی قلعه سردی،اندازه گیری اسیدآمینه پرولین، پروتئین و ترکیبات فلزی موجود در گونه Ferulago angulate،۲۷ ۰۸ ۲۰۱۷،زنجان، -،شماره صفحات دومین سمینار شیمی کاربردی ایران.
7. روح اله خانی,قدسیه باقرزاده,راضیه شیخی قلعه سردی،بررسی خواص فیتوشیمیایی و شناسایی کمی و کیفی ترکیبات موجود در اسانس گیاه Ferulago angulate،۲۷ ۰۸ ۲۰۱۷،زنجان، -،شماره صفحات دومین سمینار شیمی کاربردی ایران.
8. روح اله خانی,قدسیه باقرزاده,راضیه شیخی قلعه سردی،شناسایی و بررسی خواص فیتوشیمیایی و خاصیت آنتی اکسیدانی گیاه چویل،همایش ملی گیاهان دارویی(تحقیقات، تولید و فرآوری)،شماره صفحات -،شاهرود،۰۳ ۰۸ ۲۰۱۷.
9. Rouhollah Khani,sareh parsapour,Alireza Farrokhi ,Separation and Determination of Diethyl phthalate in Water Samples Based on STA- 16(Fe) as an Efficient Sorbent بیست و هفتمین سمینار شیمی تجزیه, زنجان, 23 08 2022, pp. 0-0.
10. Rouhollah Khani,motahareh baghi ,Trace Quantification of Methyl Paraben in Cosmetic Samples Based on Fe-MIL-NH2 Functionalized With Isatin Schiff Base بیست و هفتمین سمینار شیمی تجزیه, زنجان, 23 08 2022, pp. 0-0.
11. Rouhollah Khani,Mansoure Mahmoodi ,Deep Eutectic Solvent-Based Liquid-Liquid Microextraction Method for Separation and Determination of Tartrazine in Food Samples بیست و هفتمین سمینار شیمی تجزیه, زنجان, 23 08 2022, pp. 0-0.
12. Rouhollah Khani,Hossein Dadrasmooghadam ,liquid-liquid microextraction based ferrofeluid for separation and determination of uric acid in biological samples بیست و یکمین کنگره بین المللی شیمی, تبریز, 26 07 2022, pp. 0-0.
13. Rouhollah Khani,Mansoure Mahmoodi ,Deep eutectic solvent-based emulsification liquid-liquid microextraction method for separation and determination of allura red in food samples بیست و یکمین کنگره بین المللی شیمی, تبریز, 26 07 2022, pp. 0-0.
14. Rouhollah Khani,sareh parsapour,Alireza Farrokhi ,Trace quantification of dimethyl phthalate in fruit juice and water samples based on STA-12(Fe) as an efficient sorbent بیست و یکمین کنگره بین المللی شیمی, تبریز, 26 07 2022, pp. 0-0.
15. Rouhollah Khani,Hossein Dadrasmooghadam ,Ferrofluid-based liquid-liquid microextraction method for separation and determination of ascorbic acid in food samples چهارمین کنگره ملی شیمی و نانوشیمی از پژوهش تا فناوری, تهران, 22 09 2021, pp. 0-0.
16. Rouhollah Khani,soheila arghavani ,Synthesis and application of magnetic bio-sorbent for determination trace amounts of thymol چهارمین کنگره ملی شیمی و نانوشیمی از پژوهش تا فناوری, pp. 0-0

,22 09 2021, تهران.

17. Rouhollah Khani ,Nitrogen doped graphene quantum dots as selective and sensitive flourcent prob for detection of humic acid ,سومین کنفرانس علوم و فناوریهای شیمی کاربردی: شیمی زمین و شیمی محیط زیست ,pp. 0-0 ,13 01 2021, کرمان.

18. Rouhollah Khani ,Iron containing Keplerate nanocapsules-based adsorbent for determination of trace phenanthrene in various real samples ,هفتمین کنگره ملی شیمی و مهندسی شیمی ایران با تاکید بر فناوریهای بومی ایران ,pp. 0-0 ,20 09 2020, تهران.

19. Rouhollah Khani ,A sensitive and fast detection of ascorbic acid based on nitrogen-doped graphene quantum dots as fluorescent probe ,سومین کنگره ملی شیمی و نانوشیمی از پژوهش تا فناوری ,pp. 0-0 ,تهران 26 08 2020,.

20. Rouhollah Khani,Maasoumeh Jafarpour ,Amino acid functionalized chitosan magnetic nano-based particles for selective trace determination of propyl paraben in food and cosmetic samples ,سومین کنگره ملی شیمی و نانوشیمی از پژوهش تا فناوری ,pp. 0-0 ,26 08 2020, تهران.

21. Rouhollah Khani ,Synthesis and application of hydrophilic 2-aminothiophenol magnetic nanoadsorbent for the preconcentration and determination of phenol ,سومین کنگره ملی شیمی و نانوشیمی از پژوهش تا فناوری ,pp. 0-0 ,26 08 2020, تهران.

22. Rouhollah Khani ,A flourcent prob based on carbon dots for selective and sensitive detection of bismuth (III) in various water samples ,نهمین سمینار ملی شیمی و محیط زیست ایران ,pp. 0-0 ,09 2019, اراک 03.

23. Rouhollah Khani,Alireza Farrokhi ,Facile and Green Synthesis of Zeolite Imidazolate Framework for Preconcentration and Determination of Folic Acid in Various Food Samples ,نهمین سمینار ملی شیمی و محیط زیست ایران ,pp. 0-0 ,03 09 2019, اراک.

24. Rouhollah Khani ,Magnetic dispersive micro solid phase extraction based on 2-aminothiophenol as nanoadsorbent for quantification of 2, 4-dinitrophenol ,بیست و ششمین کنفرانس شیمی تجزیه انجمن شیمی ایران ,pp. 0-0 ,25 08 2019, سمنان.

25. Rouhollah Khani ,Liquid-phase microextraction of thiamine using supramolecular solvent as a carrier for ferrofluid ,بیست و ششمین کنفرانس شیمی تجزیه انجمن شیمی ایران ,pp. 0-0 ,25 08 2019, سمنان.

26. Rouhollah Khani ,Supramolecular solvent based liquid-liquid microextraction method for extraction and determination of riboflavin in food samples ,دومین کنگره سالیانه شیمی، مهندسی شیمی و نانو فناوری با رویکرد پژوهش تا توسعه ملی ,pp. 0-0 ,13 06 2019, تهران.

27. Rouhollah Khani,Alireza Farrokhi ,Application of metal-organic frame work (MOF) as a very efficient sorbent for the separation and determination trace amount of anthracene in various real samples ,بیست و پنجمین سمینار شیمی تجزیه ایران ,pp. - ,03 09 2018, تبریز.

28. Rouhollah Khani ,Magnetic dispersive solid phase microextraction for the separation and quantification of brilliant green in various water samples ,بیست و پنجمین سمینار شیمی تجزیه ایران ,pp. - ,03 09 2018, تبریز.

29. Rouhollah Khani ,Identification Compounds from the Seeds of Milk Thistle Using the Technique of GC and Study of Anti-oxidant Activity of Various Organs of this Plant ,هفتمین کنگره ملی گیاهان دارویی ,pp. - ,12 05 2018, شیراز.

30. Rouhollah Khani ,Evaluation of Preliminary Phytochemicals, Determination of Mineral Elements in Silybum Marianum and its Biological Effects on Lowering Blood Pressure ,هفتمین کنگره ملی گیاهان دارویی ,pp. - ,12 05 2018, شیراز.

31. Rouhollah Khani ,Biosynthesis and characterization of copper nanoparticles using fresh aqueous Ziziphus spina christi (L.) extract ,همایش ملی گیاهان دارویی(تحقیقات، تولید و فرآوری) ,pp. - ,2017, شاهرود 08 03.

32. Rouhollah Khani,Shemirani Farzaneh,Saeedzadeh Amiri Nasibeh ,Potential of modified ionic liquid cold-induced aggregation dispersive liquid-liquid microextraction and central composite design for simultaneous preconcentration and determination of lead and cadmium in food and water samples ,پنجمین سمینار دو سالانه کمومتریکس ایران ,pp. - ,25 11 2015, تهران.

33. Rouhollah Khani,Rahmanian Reza ,Multivariate calibration methods for simultaneous

multicomponent determination of of two synthetic dyes in fruit juice samples ,پنجمین سمینار دو سالانه کمومتریکس ایران ,pp. - ,25 11 2015 ,تهران.
34. Rouhollah Khani, ,Combination of partial least squares method and dispersive liquid liquid microextraction based on ionic liquid for simultaneous determination of trace amounts of heavy metals ,نوزدهمین سمینار شیمی تجزیه ایران ,pp. - ,26 02 2013 ,مشهد.
35. Rouhollah Khani,, ,Simultaneous spectrophotometric determination of phenolic acids in aqueous media using the partial least squares method ,پانزدهمین کنگره شیمی ایران ,pp. - ,04 09 2011 ,همدان.
36. Rouhollah Khani, ,Combination of ionic liquid based on dispersive liquid-liquid microextraction and flame atomic absorption spectrometry for preconcentration and determination of nickel and manganese in water and food samples ,هفد همین سمینار شیمی تجزیه ایران ,pp. - ,12 09 2010 ,کاشان.
37. Rouhollah Khani ,Optimization of dispersive liquid-liquid microextraction based on ionic liquid for preconcentration and determination of copper in water samples using response surface methodology and experimental design ,دومین سمینار دوسالانه کمومتریکس ایران - دانشگاه ارومیه ,pp. - ,28 10 2009 ,ارومیه.

Papers in Journals

1. Rouhollah Khani,Omolfarveh Nakhaei,Abdolreza Rezaeifard,Maasoumeh Jafarpour,A Heterogeneous Phosphomolybdate Nanocatalyst Utilizes Vitamin B1 to Promote Solvent-Free H2O2 Sulfoxidation Selectivity,Applied Organometallic Chemistry,Vol. 7864,pp. 1-13,2024,ISI،JCR،Scopus.
2. Rouhollah Khani,Hossein Dadrasmooghadam,Ferrofluid-based on Cobalt ferrite (CoFe2O4) Nanoparticles as Green Materials for Detection Trace-level of Uric Acid in The Human Urine Sample,شیمی کاربردی روز,Vol. 73,No. 19,pp. 27-44,2024,isc.
3. Rouhollah Khani,behnaz shahriari,Javad Feizy,A Cu/b-cyclodextrin/reduced graphene oxide nanocomposite for efficient and multi-aflatoxin detection in rice, ginger and bean samples,Analytical Methods,pp. 1-10,2024,JCR،Scopus.
4. Rouhollah Khani,Efcient enrichment and trace determination of hazardous compound of 2,4-dinitrophenol in environmental water samples using 2-aminothiophenol magnetic nanoadsorbent,Journal of the Iranian Chemical Society,No. 20,pp. 3033-3042,2023,ISI،JCR،isc،Scopus.
5. Rouhollah Khani,Mobina Memarbashi avval,Alireza Farrokhi,Aluminium fumarate biological metal–organic framework as an emerging tool for isolation and detection trace amounts of sulfadiazine in food and water samples,Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy,No. 308,pp. 1-10,2023,ISI،JCR،Scopus.
6. Rouhollah Khani,soheila arghavani,Maryam Moudi,A sustainable magnetic □-Fe2O3@Escherichia coli (E. coli) bio-sorbent for determination trace amounts of thymol in pharmaceutical, food and cosmetic samples,Microchemical Journal,No. 196,pp. 1-10,2023,ISI،JCR،Scopus.
7. Rouhollah Khani,Potential of cobalt ferrite-graphitic carbon nitride nanocomposite in trace determination of pyrene as one of the priority pollutants in water and food samples,Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy,No. 301,pp. 1-10,2023,JCR،Scopus.
8. Rouhollah Khani,Eco-friendly and affordable trace quantification of riboflavin in biological and food samples using a supramolecular solvent based liquid-liquid microextraction,Journal of Molecular Liquids,No. 362,pp. 119725-119725,2022,JCR،Scopus.
9. Grzhegorzhevskii,Maasoumeh Jafarpour,Rouhollah Khani,Melem Nanorectangular Prism-Modified {Mo72Fe30} Nanocapsule as a Visible-Light-Assisted Photocatalyst for Catalase-Like Activity,ACS Applied Nano Materials,Vol. 6,No. 5,pp. 7917-7931,2022,ISI،JCR،Scopus.
10. Rouhollah Khani,Hossein Dadrasmooghadam,Bahareh Khodaei,Liquid-phase microextraction of ascorbic acid in food and pharmaceutical samples using ferrofluid-based on cobalt ferrite (CoFe2O4) nanoparticles,Microchemical Journal,No. 183,pp. 108006-108006,2022,JCR،Scopus.
11. روح اله خانی,حسین دادرس مقدم،کاربرد روش میکرواستخراج فاز جامد پخشی با کارایی بالا برای اندازه‌گیری مقادیر ناچیز تیمول در نمونه-های غذایی و بهداشتی،شیمی کاربردی،مجلد ۵۶،شماره ۱۵،شماره صفحات ۲۸۵-۳۰۰،۲۰۲۰،isc.
12. روح اله خانی,قدسیه باقرزاده,راضیه شیخی قلعه سردی،کاربرد کروماتوگرافی گازی برای شناسایی و تعیین مقدار

و بررسی خواص فیتوشیمیایی آن،تحقیقات گیاهان Ferulago angulate (Schlecht.) Boiss. اسیدهای چرب دانه isc.،دارویی و معطر ایران،مجلد ۳۴،شماره ۵،شماره صفحات ۷۵۷-۷۶۵،۲۰۱۸

13. Rouhollah Khani,Mixed Magnetic Dispersive Micro-Solid Phase–Cloud Point Extraction of Sunset Yellow in Food and Pharmaceutical Samples,ChemistrySelect,Vol. 3,No. 6,pp. 273-278,2021,JCR.
14. Rouhollah Khani,Alireza Farrokhi,Performance of metal-organic framework as an excellent sorbent for highly efficient and sensitive trace determination of anthracene in water and food samples,Environmental Science and Pollution Research,Vol. 22,No. 27,pp. 26305-26314,2020,JCR،Scopus.
15. Rouhollah Khani,A reusable reduced graphene oxide-cobalt oxide nanocomposite with excellent yield as adsorbent for determination trace-level of brilliant green in environmental water samples,Research on Chemical Intermediates,Vol. 1,No. 46,pp. 2137-2154,2020,JCR،Scopus.
16. Rouhollah Khani,Magnetic dispersive micro solid-phase extraction of trace Rhodamine B using imino-pyridine immobilized on iron oxide as nanosorbent and optimization by Box–Behnken design,Microchemical Journal,No. 146,pp. 471-478,2019,JCR،Scopus.
17. Rouhollah Khani,An environmentally friendly method based on micro-cloud point extraction for determination of trace amount of quercetin in food and fruit juice samples,Food Chemistry,No. 293,pp. 220-225,2019,JCR،Scopus.
18. Rouhollah Khani,Beyki Mostafa Hossein,Malakootikhah Javad,Minaeian Sara,Shemirani Farzaneh,Catalytic synthesis of graphene-like polyaniline derivative - MFe 2 O 4 (M Cu Mn) nanohybrid as multifunctionality water decontaminant,REACTIVE & FUNCTIONAL POLYMERS,Vol. 125,pp. 108-117,2018,JCR،Scopus.
19. Rouhollah Khani,Sajadi Seyed Ali Akbar,Synthesis a New Schiff Base as a Chelating Agent for Reliable Quantification of Zinc from Water and Biological Samples,eurasian journal of analytical chemistry,Vol. 13,No. 5,pp. 1-10,2018,isc،Scopus.
20. Rouhollah Khani,Maryam Moudi,Green synthesis of copper nanoparticles by fruit extract of Ziziphus spina-christi (L.) Willd. Application for adsorption of triphenylmethane dye and antibacterial assay,Journal of Molecular Liquids,Vol. 255,pp. 541-549,2018,JCR،Scopus.
21. Rouhollah Khani,Seyed Ali Akbar Sajadi,Synthesis characterization and selective oxidation using a new copper (II) Schiff base complex derived from Alanine and 4-chloro3- formyl coumarin,iranian chemical communication,Vol. 6,No. 3,pp. 271-285,2018,isc.
22. Rouhollah Khani,Khojeh Vahid,Extraction and Determination of Trace Amounts of p -Coumaric Acid in Vinegar Carrot Juice and Seed Extract from Silybum marianum (L.) Gaertn,JOURNAL OF AOAC INTERNATIONAL,Vol. 101,No. 2,pp. 490-497,2018,JCR،Scopus.
23. Rouhollah Khani,Beyki Mostafa Hossein,Miri Simin,Application of magnetic ionomer for development of very fast and highly efficient uptake of triazo dye Direct Blue 71 form different water samples,Ecotoxicology and Environmental Safety,Vol. 150,pp. 54-61,2017,JCR،Scopus.
24. Rouhollah Khani,Maryam Moudi,Khojeh Vahid,Contamination level distribution and health risk assessment of heavy and toxic metallic and metalloid elements in a cultivated mushroom Pleurotus florida (Mont.) singer,Environmental Science and Pollution Research,Vol. 24,No. 5,pp. 4699-4708,2017,JCR،Scopus.
25. Rouhollah Khani,A new and highly selective turn-on fluorescent sensor with fast response time for the monitoring of cadmium ions in cosmetic and health product samples,Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy,Vol. 163,pp. 120-126,2016,JCR،Scopus.
26. Rouhollah Khani,Naser Valipour Motlagh,Rahmanian Reza,UV Visible Spectrometry and Multivariate Calibration as a Rapid and Reliable Tool for Simultaneous Quantification of Ternary Mixture of Phenolic Acids in Fruit Juice Samples,Food Analytical Methods,Vol. 9,No. 5,pp. 1112-1119,2016,JCR،Scopus.
27. Rouhollah Khani,Ghasemi Jahan B.,Shemirani Farzaneh,Rahmanian Reza,Application of bilinear least squares/residual bilinearization in bulk liquid membrane system for simultaneous multicomponent quantification of two synthetic dyes,CHEMOMETRICS AND INTELLIGENT LABORATORY SYSTEMS,Vol. 144,pp. 48-55,2015,JCR.

28. Saeed Rahnama,Naser Valipour Motlagh,Rouhollah Khani,Super dewetting surfaces Focusing on their design and fabrication methods,Colloids and Surfaces A: Physicochemical and Engineering Aspects,Vol. 484,pp. 528-546,2015,JCR،Scopus.
29. Rouhollah Khani,Hossein Beyki Mostafa,Highly selective and efficient removal of lead with magnetic nano-adsorbent Multivariate optimization isotherm and thermodynamic studies,Journal of Colloid and Interface Science,Vol. 466,pp. 198-205,2015,JCR،Scopus.
30. Rouhollah Khani,,,Green preconcentration trace amounts of copper from water and food samples onto novel organo-nanoclay prior to flame atomic absorption spectrometry,JOURNAL OF AOAC INTERNATIONAL,Vol. 97,No. 5,pp. 1426-1433,2014,JCR،Scopus.
31. Rouhollah Khani,,,,Applicability of diclofenac montmorillonite as a selective sorbent for adsorption of palladium(ii) kinetic and thermodynamic studies,Analytical Methods,Vol. 6,pp. 1875-1883,2014,JCR،Scopus.
32. Rouhollah Khani,,,Second-order data obtained by beta-cyclodextrin complexes A novel approach for multicomponent analysis with three-way multivariate calibration methods,Talanta,Vol. 128,pp. 254-262,2014,JCR،Scopus.
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35. Rouhollah Khani,,Simultaneous Determination of Trace Amounts of Cobalt and Nickel in Water and Food Samples Using a Combination of Partial Least Squares Method and Dispersive Liquid Liquid Microextraction Based on Ionic Liquid,Food Analytical Methods,Vol. 6,pp. 386-394,2013,JCR،Scopus.
36. Rouhollah Khani,,,Potential of Sawdust as a Green and Economical Sorbent for Simultaneous Preconcentration of Trace Amounts of Cadmium Cobalt and Lead from Water Biological Food and Herbal Samples,Journal of Food Science,Vol. 78,pp. 0-0,2013,JCR،Scopus.
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39. Rouhollah Khani,,Determination of Trace Levels of Nickel and Manganese in Soil Vegetable and Water,Clean - Soil Air Water,Vol. 38,pp. 1177-1183,2010,JCR،Scopus.
40. Rouhollah Khani,,,Application of mixed-micelle cloud point extraction for speciation analysis of chromium in water samples by electrothermal atomic absorption spectrometry,Desalination,Vol. 262,pp. 183-187,2010,JCR،isc،Scopus.