

Dr. Mehrorang Ghaedi

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I. Personal Information:

1. First Name: **Mehrorang**
2. Surname: **Ghaedi**
3. Date of Birth: **1974.06.27 or 1353.03.03**
4. H-index: **31 and total citation 2780**
4. Nationality: **Islamic Republic of Iran**

II. Teaching and Research Position:

Research Activity:

- Solid Phase Extraction Method
- Liquid-Liquid Extraction
- Transport of ions thorough liquid membrane
- Cloud Point extraction
- Sensor Fabrication
- Adsorptive Stripping Analysis
- Cyclic Voltammetry

- Spectrophotometry In Surfactant Media
- Trace Analysis
- Water Treatment

III. Education:

- 1993-1997, Bachelor of Chemistry, Isfahan university, Isfahan Iran.
- 1997-1999, Master of science in Analytical Chemistry, Shiraz University, Shiraz, Iran.
- 1999-2003 Ph. D. of Analytical Chemistry, Isfahan University, Isfahan, Iran

I. Awards:

- The degree of 8 in Iranian chemistry olympiad 1997.
- The degree of 13 in Iranian Master exam entrance 1996.
- Degree of 1 in master graduate of shiraz university in 1998.
- Best researcher of Yasouj University, November 2006
- Best researcher of Yasouj University, November 2008.
- Highly Cited Scientist of Iran, 2009.
- Distinguished researcher of Kohgyloyeh v Boyerahmad 2010.
- Best researcher of Yasouj university 2011
- Th 7 of best researchers of Iran nanotechnologist.
- Best researcher of kohgyloyeh va boyerahmad province 2013.
- The highly cited researcher in Iran in 2009 until now
- The selected as 1675 highly cited researchers in world and 5 highly cited researchers in Iran, 2014.
- Selected as 1% of best researchers in Iran and World by ISI Thomson Ruterrrs from 2009.
- Good reviewer of Food chemical toxicology 2011.
- The 5 best researcher of nanotechnology in iran 2015.
- Selected as best top 5 highly cited researchers in iran 2015.
- Selected as best top 10 highly cited researcher of Iran 2014.
- Best and distinguished researcher of kohgyloyeh va Boyerahmad 2015.
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➤ Mehrorang Ghaedi was born in Nourabad Mamassani, Iran, in March 1974. He received the B.Sc. degree in applied chemistry from the University of

Isfahan, Isfahan, Iran, the M.Sc. degree in analytical chemistry from Shiraz University, Shiraz, Iran, and the Ph.D. degree in analytical chemistry from the University of Isfahan, in 1996, 1999, and 2003, respectively. He is currently a Professor of analytical chemistry with Yasouj University, Yasouj, Iran. He is engaged in research on separation methods, potentiometric study on complexation, and sensor fabrication. He has authored or coauthored more than 350 scientific papers published in scientific journals. He has directed more than 200 M.Sc. theses in analytical chemistry. He is a referee of more than 200 scientific journals.

با عرض سلام و ادب و احترام

اینجانب مهرآورنگ قایدی متولد ۱۳۵۳/۳/۳ در روستای اب بخشان شهرستان ممسنی متولد و در همان روستا تحصیلات ابتدایی و راهنمایی را به اتمام رساندم. تحصیلات متوسطه را در دبیرستان شهید ایزدی شهرستان ممسنی به اتمام رساندم. در سال ۱۳۷۲ در رشته شیمی کاربردی دانشگاه اصفهان قبول شدم. در سال ۱۳۷۶ با کسب رتبه ۱۳ در آزمون کارشناسی ارشد و همچنین کسب رتبه ۸ در دومین المبیاد دانشجویی کشوری در کارشناسی ارشد شیمی تجزیه دانشگاه شیراز قبول شدم. در سال ۱۳۷۸ با رتبه اول دوره کارشناسی ارشد از دانشگاه شیراز فارغ التحصیل و همان سال در دوره دکتری شیمی تجزیه دانشگاه اصفهان قبول شدم. در دوره دکتری با چاپ دو مقاله در مجلات معتبر علمی در سال ۱۳۸۲ فارغ التحصیل و به عنوان عضو هیات علمی در دانشگاه یاسوج مشغول به کار شدم. اینجانب در سال های کار در دانشگاه یاسوج امتیازات زیر را در سایه الطاف بی کران الهی، همت خودم و کمک دانشجویانم که با حمایت مالی و اداری مسسولان همراه بود کسب کرده ام.

- چاپ بیش از ۳۵۰ مقاله در مجلات علمی تحقیقاتی
- ارائه بیش از ۳۰۰ مقاله در سمینارهای ملی و بین المللی
- هدایت و راهنمایی بیش از ۲۰۰ دانشجوی کارشناسی ارشد
- مشاوره بیش از ۳۰ دانشجوی ارشد
- H Index برابر ۴۶
- تعداد ارجاعات مقالات برابر ۷۲۵۰
- محقق دارای مقاله داغ و براستناد کشور در سال ۱۳۸۸ (مورد تشویق وزارت علوم)
- کسب رتبه ۷ نانو فناوری کشوری زیر نظر ریاست جمهوری در سال ۱۳۹۱
- ارتقا به مرتبه دانشیاری و استادی در کمترین زمان ممکن (۸ سال)
- کسب عنوان بهترین داور مجله Food Chemical Toxicology در سال ۲۰۱۱
- محقق برتر دانشگاه یاسوج در سال های ۱۳۸۵، ۱۳۸۷، ۱۳۹۰ و ۱۳۹۲ و ۱۳۹۴

- چهره علمی برتر استان کهگیلویه و بویر احمد در سال ۱۳۸۸
- چهره برتر علمی دانشگاه یاسوج در سال ۱۳۹۱
- عضو هیات تحریریه بیش از ۱۵ مجله علمی تحقیقاتی
- داوری مقالات برای بیش از ۱۰۰ مجله علمی تحقیقاتی
- راه اندازی دوره بسادکتری در دانشگاه یاسوج از سال ۱۳۹۱
- قرار گرفتن در لیست محققین پر استناد ISI
- نفر ۵ محققین پر استناد کشور در سال ۱۳۹۲
- دارای ۲۰ مقاله Highly Cited
- رتبه ۸ دومین المبیاد دانشجویی سال ۱۳۷۶
- رتبه ۱۳ از مون کارشناسی ارشد سال ۱۳۷۶
- کارشناس رسمی اداره استاندارد کشور و استان کهگیلویه و بویر احمد از سال ۱۳۹۲
- کمک به تدوین استاندارد های ملی به عنوان دبیر و رییس استاندارد (۱۸ مورد)
- کسب رتبه ۵ محقق برتر نانو تکنولوژی ایران سال ۱۳۹۴
- دارا بودن ۲۷ مقاله پر استناد و داغ

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IV. Teaching Experiences:

Undergraduate:

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- Statistics for analytical chemistry (PHD course)
- Kinetic and thermal method of analysis (PHD course)
- Physical and chemical method of separation (master course)
- Advance analytical chemistry (master course)
- Electrochemistry in analytical chemistry (master course)
- Spectrochemical analysis (master course)
- Advance topic in analytical chemistry and phytochemistry (master course)
- Analytical Chemistry I and its Lab.
- Analytical Chemistry II
- Instrumental Analysis.
- Water Treatment
- Chemistry and Environments
- General Chemistry 1, 2 and their lab.

Graduate: M. Ss.

- Advance Analytical Chemistry
- Analytical Spectroscopy 1, 2
- Analytical Electrochemistry
- Physical and Chemical Separation Method
- New Topic in Analytical Chemistry

V. Memberships:

- Iranian Chemical Society

VII. Field of Interest in Research:

- Experimental design
- Dispersive based extraction
- Solid Phase (micro) Extraction Method
- Material synthesis
- Material characterization
- Carbon based material
- Metal organic frameworks
- Molecular and ion imprinted polymers
- Liquid-Liquid Extraction
- Transport of ions thorough liquid membrane
- Cloud Point extraction
- Electrochemical and optical Sensor Fabrication
- Adsorptive Stripping Analysis
- Cyclic Voltammetry
- Spectrophotometry In Surfactant Media
- Trace Analysis
- Water Treatment
- Photocatalytic decomposition
- Low band gap materials
- Nanostructures and porous materials
- Green chemistry

بند ۱- سر دبیر یا عضو هیئت تحریریه در نشریات بسیار معتبر بین‌المللی

ردیف	نام نشریه	کشور	تاریخ شروع عضویت	تاریخ پایان عضویت	ملاحظات
۱	<i>Austin Journal of Nanomedicine & Nanotechnology</i>		۲۰۱۲	تا حالا	مستندات در پوشه ی سردبیر مجلات آورده شده
۲	<i>HSOA Journal of Nanotechnology Nanomedicine & Nanobiotechnology</i>		۲۰۱۲	تا حالا	مستندات در پوشه ی سردبیر مجلات آورده شده
۳	<i>International Journal of Materials Engineering</i>		۲۰۱۳	تا حالا	مستندات در پوشه ی سردبیر مجلات آورده شده
۴	<i>International Journal of Research in Chemistry and Environment</i>		۲۰۱۳	تا حالا	مستندات در پوشه ی سردبیر مجلات آورده شده

مستندات در پوشه ی سردبیر مجلات آورده شده	تا حالا	۲۰۱۳		<i>Journal of Science and Technology</i>	۵
مستندات در پوشه ی سردبیر مجلات آورده شده	۲۰۰۹	۲۰۰۸		<i>Columbia International Publishing</i>	۶
مستندات در پوشه ی سردبیر مجلات آورده شده	۲۰۱۱	۲۰۱۰		<i>International Journal of Research in Chemistry and Environment (IJRCE)</i>	۷
مستندات در پوشه ی سردبیر مجلات آورده شده	۲۰۱۱	۲۰۱۰		<i>Global Journal of Environmental Science and Technology (GJEST)</i>	۸
مستندات در پوشه ی سردبیر مجلات آورده شده	۲۰۰۹	۲۰۰۸		<i>ISRN Spectroscopy</i>	۹

Education

Aug 1993 – Aug 1997 **University of Isfahan**
, □ 1993-1997, Bachelor of Chemistry, Isfahan university, Isfahan Iran.
, Iran

Thesis

Research Experience

Jan 2015 – Dec 2015 **scintific board member**
Yasouj University, Department of Chemistry
Yasuj, Iran

Jan 2015 – Dec 2015 **scintific board member**
Yasouj University, Department of Chemistry
Yasuj, Iran

Aug 2002 – present **scintific member**
Islamic Azad University, Gachsaran, chemistry
Dogonbadan, Iran

Jul 2000 – Aug 2003 **scintific board member**
Islamic Azad University, Chemistry
Bandar Emam Khomeyni, Ostan-e Khuzestan, Iran

Jan 1999 – Jan 2003 **student of phd**
University of Isfahan, Department of Chemistry
Isfahan, Iran

Statistics

RG Score 45.71

Publications 332

Reads 15,433

Citations 6602

Awards & Grants

Apr 2016 Award: rank 5 best researchers of iran in nanotechnology

Nov 2015 Award: □ Best researcher of Yasouj university 2015

Aug 2015 Award: □ Selected as 1% of best researchers in Iran and World by ISI Thomson Ruterrs
Nov 2014 Award: □ The selected as 1675 highly cited researchers in world and 5 highly cited researchers in Iran, 2014
May 2014 Award: □ Best teacher of chemistry 2014
Jan 2014 Award: top ten highly cited researchers in iran
Nov 2013 Award: □ Best researcher of Yasouj university 2013
Sep 2013 Award: □ Th 7 of best researchers of Iran nanotechnologist
Nov 2011 Award: □ Best researcher of Yasouj university 2011
Feb 2010 Award: □ Distinguished researcher of Kohgyloyeh v Boyerahmad 2010
Nov 2009 Award: □ Highly Cited Scientist of Iran, 2009
May 2009 Award: □ The highly cited researcher in Iran in 2009 until now
Mar 2009 Award: author of fast breaking paper by thomson reutters
Nov 2008 Award: researcher of Yasouj University, November 2008
Dec 2006 Award: □ Best researcher of Yasouj University, November 2006
Aug 1998 Award: □ Degree of 1 in master graduate of shiraz university in 1998
Feb 1997 Award: □ The degree of 8 in Iranian chemistry olympiad 1997.
Jun 1996 Award: □ The degree of 13 in Iranian Master exam entrance 1996.

Skills & Activities

Skills Analytical Chemistry, Spectrometry, High-Performance Liquid Chromatography, Kinetic Modeling, Extraction, Solid Phase Extraction, BET, Standard Deviation, Sampling, MLR, Sample Preparation, Liquid Chromatography, Chromatography, Analytical Method Development, Chromatographic Method Development, Analytical Chemistry Instrumentation, Method Development, Method Validation, High Pressure Liquid Chromatography, Chemical Analysis, Statistical Analysis, Regression Analysis, Linear Regression, Data Analysis, Multivariate Data Analysis, Multivariate Statistics, Multiple Linear Regression, Descriptive Statistics, Instrumental Analysis, Validation, Solvent Extraction, Environmental Chemistry, Green Chemistry, Determination, Equilibrium, Petroleum, Brucellosis, Reservoirs, Membranes, Mass Spectrometry, Langmuir, Analytical Instruments, Spectrophotometry, Analytical Instrumentation, EDX, Flame Atomic Absorption Spectroscopy

Languages

Scientific Memberships

Interests

Publication Highlights

[authors]: [title]. [details]

Books

Book Chapters

Journal Publications

Maryam Arabi, Mehrorang Ghaedi, Abbas Ostovan: *Development of dummy molecularly imprinted based on functionalized silica nanoparticles for determination of acrylamide in processed food by matrix solid phase dispersion*. Food Chemistry 11/2016; 210. DOI:10.1016/j.foodchem.2016.04.080

Ramin Jannesar, Fahimeh Zare, Mehrorang Ghaedi, Ali Daneshfar: *Dispersion of hydrophobic magnetic nanoparticles using ultrasonic-assisted in combination with coacervative microextraction for the simultaneous preconcentration and determination of tricyclic antidepressant drugs in biological fluids*. Ultrasonics Sonochemistry 09/2016; 32. DOI:10.1016/j.ultsonch.2016.04.010

shirin abdali, Ali Daneshfar, Mehrorang Ghaedi, Tahere Khezeli: *Development of indirectly suspended droplet for extraction of hazardous phenols from environmental aqueous samples*. Analytical methods 08/2016; 8(31). DOI:10.1039/C6AY01598K

Fatemeh Mehrabi, Azam Vafaei, Mehrorang Ghaedi, Abdol Mohammad Ghaedi, Ebrahim Alipanahpour Dil, Arash Asfaram: *Ultrasound assisted extraction of Maxilon Red GRL dye from water samples using cobalt ferrite nanoparticles loaded on activated carbon as sorbent: Optimization and modeling*. Ultrasonics Sonochemistry 08/2016; DOI:10.1016/j.ultsonch.2016.08.012

Jaleh Pooralhossini, Mehrorang Ghaedi, Mohammad Ali Zanjanchi, Arash Asfaram: *The choice of ultrasound assisted extraction coupled with spectrophotometric for rapid determination of gallic acid in water samples: Central composite design for optimization of process variables*. Ultrasonics Sonochemistry 07/2016; DOI:10.1016/j.ultsonch.2016.07.003

Ebrahim Sharifpour, Hedayat Haddadi, Mehrorang Ghaedi, Arash Asfaram, Shaobin Wang: *Simultaneous and rapid dye removal in the presence of ultrasound wave and nano structured material: Experimental design methodology, equilibrium and kinetics*. RSC Advances 07/2016; 6(70). DOI:10.1039/C6RA13286C

Ebrahim Alipanahpour Dil, Mehrorang Ghaedi, Arash Asfaram: *The performance of nanorods material as adsorbent for removal of azo dyes and heavy metal ions: Application of ultrasound wave, optimization and modeling*. Ultrasonics Sonochemistry 07/2016; 34. DOI:10.1016/j.ultsonch.2016.07.015

A.R. Bagheri, M. Ghaedi, S. Hajati, M. Montazerzohori: *Photocatalytic degradation of disulfine blue using titanium dioxide nanoparticles under ultraviolet light irradiation: A response surface methodology approach*. Environmental Progress & Sustainable Energy 07/2016; DOI:10.1002/ep.12408

- Babak Mirtamizdoust, Mehrorang Ghaedi, Younes Hanifehpour, Joel T. Mague, Sang Woo Joo: *Synthesis, structural characterization, thermal analysis, and DFT calculation of a novel zinc (II)-trifluoro- β -diketonate 3D supramolecular nano organic-inorganic compound with 1,3,5-triazine derivative.*
- Maryam Arabi, Mehrorang Ghaedi, Abbas Ostovan, Shaobin Wang: *Synthesis of lab-in-a-pipette-tip extraction using hydrophilic nano-sized dummy molecularly imprinted polymer for purification and analysis of prednisolone.* Journal of Colloid and Interface Science 07/2016; 480. DOI:10.1016/j.jcis.2016.07.017
- Ebrahim Alipanahpour Dil, Mehrorang Ghaedi, Arash Asfaram, Shaaker Hajati, Fatemeh Mehrabi, Alireza Goudarzi: *Preparation of nanomaterials for the ultrasound-enhanced removal of Pb²⁺ ions and malachite green dye: Chemometric optimization and modeling.* Ultrasonics Sonochemistry 07/2016; DOI:10.1016/j.ultsonch.2016.07.001
- mosleh soleiman, mahmood reza rahimi, Mehrorang Ghaedi, kheibar dashtian, Shaaker Hajati: *BiPO₄/Bi₂S₃-HKUST-1-MOF as novel blue light-driven photocatalyst for simultaneous degradation of toluidine blue and auramine-O dyes in new rotating packed bed reactor: optimization and comparison to conventional reactor.* RSC Advances 06/2016; 6(68). DOI:10.1039/C6RA10385E
- Arash Asfaram, Mehrorang Ghaedi, Kheibar Dashtian: *Rapid ultrasound-assisted magnetic microextraction of gallic acid from urine, plasma and water samples by HKUST-1-MOF-Fe₃O₄-GA-MIP-NPs: UV-Vis detection and optimization study.* Ultrasonics Sonochemistry 06/2016; DOI:10.1016/j.ultsonch.2016.06.033
- Arash Asfaram, Mehrorang Ghaedi, Kheibar Dashtian: *Ultrasound assisted combined molecularly imprinted polymer for selective extraction of nicotinamide in human urine and milk samples: Spectrophotometric determination and optimization study.* Ultrasonics Sonochemistry 06/2016; DOI:10.1016/j.ultsonch.2016.06.018
- Mehrorang Ghaedi, Hamid Reza Noormohamadi, Arash Asfaram, Morteza Montazerzohori, Javad Tashkhourian, Mustafa Soylak: *Modification of platinum nanoparticles loaded on activated carbon and activated carbon with a new chelating agent for solid phase extraction of some metal ions.* Journal of Molecular Liquids 06/2016; 221. DOI:10.1016/j.molliq.2016.06.057
- mahmood reza rahimi, mosleh soleiman, Mehrorang Ghaedi, kheibar dashtian: *HKUST-1-MOF-BiVO₄ Hybrid as New Sonophotocatalyst for Simultaneous Degradation of Disulfine Blue and Rose Bengal Dyes: Optimization and Statistical Modeling.* RSC Advances 06/2016; 6(66). DOI:10.1039/C6RA13837C
- Somayeh Dashamiri, Mehrorang Ghaedi, Arash Asfaram, Fahimeh Zare, Shaobin Wang: *Multi-response optimization of ultrasound assisted competitive adsorption of dyes onto Cu (OH)₂-nanoparticle loaded activated carbon: Central composite design.* Ultrasonics Sonochemistry 06/2016; DOI:10.1016/j.ultsonch.2016.06.007
- Sonia Bahrani, Mehrorang Ghaedi, Mohammad Javad Khoshnood Mansoorkhani, Arash Asfaram, Ali Akbar Bazrafshan, Mihir Kumar Purkait: *Ultrasonic assisted dispersive solid-phase microextraction of Eriochrome cyanine R from water sample on ultrasonically synthesized lead (II) dioxide nanoparticles loaded on activated carbon: Experimental design methodology.* Ultrasonics Sonochemistry 06/2016; DOI:10.1016/j.ultsonch.2016.06.004
- Ahmad Reza Bagheri, Mehrorang Ghaedi, Arash Asfaram, Shaaker Hajati, Abdol Mohammad Ghaedi, Aliakbar Bazrafshan, Mahmoud Reza Rahimi: *Modeling and optimization of simultaneous removal of*

ternary dyes onto copper sulfide nanoparticles loaded on activated carbon using second-derivative spectrophotometry. Journal of the Taiwan Institute of Chemical Engineers 06/2016;
DOI:10.1016/j.jtice.2016.05.004

Ahmad Reza Bagheri, Mehrorang Ghaedi, Arash Asfaram, Ali Akbar Bazrafshan, Ramin Jannesar: *Comparative study on ultrasonic assisted adsorption of dyes from single system onto Fe₃O₄ magnetite nanoparticles loaded on activated carbon: Experimental design methodology*. Ultrasonics Sonochemistry 06/2016; DOI:10.1016/j.ultsonch.2016.05.047

Shilpi Agarwal, Inderjeet Tyagi, Vinod Kumar Gupta, M. Ghaedi, M. Masoomzade, A.M. Ghaedi, B. Mirtamizdoust: *Kinetics and thermodynamics of methyl orange adsorption from aqueous solutions - Artificial neural network-particle swarm optimization modeling*. Journal of Molecular Liquids 06/2016; 218. DOI:10.1016/j.molliq.2016.02.048

Kheibar Dashtian, Milad Kolaei, Zahra Rafiee, Mehrorang Ghaedi: *Ultrasonic-assisted magnetic solid phase extraction of morphine in urine samples by new imprinted polymer-supported on MWCNT-Fe₃O₄-NPs: central composite design optimization*. Ultrasonics Sonochemistry 05/2016;
DOI:10.1016/j.ultsonch.2016.05.003

M. Ghaedi, F. Nasiri Azad, K. Dashtian, S. Hajati, A. Goudarzi, M. Soylak: *Central composite design and genetic algorithm applied for the optimization of ultrasonic-assisted removal of malachite green by ZnO Nanorod-loaded activated carbon*. Spectrochimica Acta Part A Molecular and Biomolecular Spectroscopy 05/2016; 167. DOI:10.1016/j.saa.2016.05.025

Arash Asfaram, Mehrorang Ghaedi, Shaaker Hajati, Alireza Goudarzi, Ebrahim Alipanahpour Dil: *Screening and optimization of highly effective ultrasound-assisted simultaneous adsorption of cationic dyes onto Mn-doped Fe₃O₄-nanoparticle-loaded activated carbon*. Ultrasonics Sonochemistry 05/2016; 34. DOI:10.1016/j.ultsonch.2016.05.011

Ebrahim Alipanahpour Dil, Mehrorang Ghaedi, Arash Asfaram: *Optimization and modeling of preconcentration and determination of dyes based on ultrasound assisted-dispersive liquid-liquid microextraction coupled with derivative spectrophotometry*. Ultrasonics Sonochemistry 05/2016; 34. DOI:10.1016/j.ultsonch.2016.05.013

Fatemeh Ansari, Mehrorang Ghaedi, Mehdi Taghdiri, Arash Asfaram: *Application of ZnO nanorods loaded on activated carbon for ultrasonic assisted dyes removal: Experimental design and derivative spectrophotometry method*. Ultrasonics Sonochemistry 05/2016; 33. DOI:10.1016/j.ultsonch.2016.05.004

Arash Asfaram, Mehrorang Ghaedi, Mohammad Hossein Ahmadi Azqhandi, Alireza Goudarzi, Mehdi Dastkhooon: *Statistical experimental design, least square-support vector machine (LS-SVM) and artificial neural network (ANN) methods for modeling of facilitated adsorption of methylene blue dye*. RSC Advances 04/2016; 6(46). DOI:10.1039/C6RA01874B

Mehrorang Ghaedi, Hamid Reza Noormohamadi, Gholamreza Ghezelbash, Dr. Mahamad Reza fathi: *Optimizing the biosorption of Bi³⁺ ions by Streptomyces rimosus using experimental design and applicability in kinetics and isotherm modeling*. RSC Advances 04/2016; 6(46). DOI:10.1039/C6RA03513B

Hamed Mazaheri, Mehrorang Ghaedi, Arash Asfaram, Shaaker Hajati: *Performance of CuS nanoparticle loaded on activated carbon in the adsorption of methylene blue and bromophenol blue dyes in binary aqueous*

solutions: Using ultrasound power and optimization by central composite design. Journal of Molecular Liquids 04/2016; 219(1). DOI:10.1016/j.molliq.2016.03.050

Mehrorang Ghaedi, Abdol Mohammad Ghaedi, nahid dehghanian, kheibar dashtian: *A hybrid model of support vector regression with genetic algorithm for adsorption of malachite green onto multi-walled carbon nanotube forecasting: Central composite design optimization.* Physical Chemistry Chemical Physics 04/2016; 18(19). DOI:10.1039/C6CP01531J

S E Mousavinia, S Hajati, M Ghaedi, K Dashtian: *Novel nanorose-like Ce(iii)-doped and undoped Cu(ii)-biphenyl-4,4-dicarboxylic acid (Cu(ii)-BPDCA) MOSs as visible light photocatalysts: Synthesis, characterization, photodegradation of toxic dyes and optimization.* Physical Chemistry Chemical Physics 04/2016; 18(16). DOI:10.1039/c6cp00910g

Arash Asfaram, Mehrorang Ghaedi: *Simultaneous determination of cationic dyes in water samples with dispersive-liquid/liquid microextraction followed by spectrophotometry: Experimental design methodology.* New Journal of Chemistry 04/2016; 40(5). DOI:10.1039/C5NJ02912K

Ebrahim Alipanahpour Dil, Mehrorang Ghaedi, Arash Asfaram, Fatemeh Mehrabi, Ali Akbar Bazrafshan, Abdol Mohammad Ghaedi: *Trace determination of safranin O dye using ultrasound assisted dispersive solid-phase micro extraction: Artificial neural network-genetic algorithm and response surface methodology.* Ultrasonics Sonochemistry 04/2016; 33. DOI:10.1016/j.ultsonch.2016.04.031

Maryam Arabi, Mehrorang Ghaedi, Abbas Ostovan, Javad Tashkhourian, Hamideh Asadallahzadeh: *Synthesis and application of molecularly imprinted nanoparticles combined ultrasonic assisted for highly selective solid phase extraction trace amount of celecoxib from human plasma samples using design expert (DXB) software.* Ultrasonics Sonochemistry 04/2016; 33. DOI:10.1016/j.ultsonch.2016.04.022

Arash Asfaram, Mehrorang, Shaaker Hajati, Alireza Goudarzi: *Synthesis of magnetic γ -Fe₂O₃-based nanomaterial for ultrasonic assisted dyes adsorption: Modeling and optimization.* Ultrasonics Sonochemistry 04/2016; 32. DOI:10.1016/j.ultsonch.2016.04.011

Arash Asfaram, Mehrorang Ghaedi, Fakhri Yousefi, Mehdi Dastkhooon: *Experimental design and modeling of ultrasound assisted simultaneous adsorption of cationic dyes onto ZnS: Mn -NPs-AC from binary mixture.* Ultrasonics Sonochemistry 04/2016; 33. DOI:10.1016/j.ultsonch.2016.04.016

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