

دکتر افسانه عارفی اسکویی

عضو هیات علمی (استاد)



درباره من

عضو هیات علمی تمام وقت دانشگاه علوم پزشکی شهید بهشتی از سال

۱۳۸۹ تا کنون

۱۳۸۹ تا ۱۳۹۴: استادیار

۱۳۹۴ تا ۱۴۰۲: دانشیار

۱۴۰۲: استاد

علاقتمند به زمینه تحقیقاتی بین رشته ای متابولومیکس

مدرس دروس شیمی در دانشگاه (آلی، شیمی فیزیک، عمومی و طیف

سنجی جرمی و کروماتوگرافی).

تحصیلات

سال: ۱۳۸۳-۱۳۸۶ دانشگاه تربیت مدرس - شیمی آلی

سال: ۱۳۸۱-۱۳۸۳ دانشگاه صنعتی شریف - شیمی آلی

سال: ۱۳۸۱-۱۳۷۷ دانشگاه تبریز - شیمی

سابقه کاری و اجرایی

عضو هیات علمی دانشگاه علوم پزشکی شهید بهشتی از ۱۳۸۹-۱۴۰۲

عضو بنیاد ملی نخبگان از ۱۳۸۷ تا کنون

معاونت آموزشی دانشکده پیراپزشکی، دانشگاه علوم پزشکی شهید بهشتی

معاونت بین المللی دانشکده پیراپزشکی، دانشگاه علوم پزشکی شهید بهشتی

مدیر تحصیلات تکمیلی دانشکده پیراپزشکی

عضو شورای آموزشی دانشگاه و دانشکده پیراپزشکی

عضو شورای تحصیلات تکمیلی دانشکده و دانشگاه علوم پزشکی شهید بهشتی

عضو کمیته تطبیق و متناسب سازی برنامه های آموزشی برای دانشجویان بین المللی

عضو کمیته توانمند سازی اعضای هیات علمی دانشکده پیراپزشکی (EDO)

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۰۲۱-۲۲۷۱۸۵۰۳

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مهارت ها

Word

Excel

Data Analysis

R- Matlab ,...

زبان های خارجی

ترکی

انگلیسی

پایان نامه های راهنمایی شده

Title of Thesis/dissertations	Degree/Level	Role	Year
Metabonomics study examples of different diseases: linear and non-linear models using nuclear magnetic resonance	Ph.D degree	Advisor	2013
Metabonomics study of serum blood for celiac patients based on Nuclear Magnetic Resonance	Ph.D degree	Supervisor	2014
NMR-Based metabolomic investigation into the metabolic profile of sulfur mustard exposed in different levels of lung diseases	Ph.D degree	Supervisor	2015
Evaluation of aqueous extract of lavender on LTP in hippocampus and metabolic changes in serum of animal model of Alzheimeric rats	Ph.D degree	Advisor	2016
Metabonomics and proteomics profiling of serum of compensated liver cirrhosis based on hepatitis C	Ph.D degree	Supervisor	2017
The proteomic study of women with Obsessive-compulsive disorder, washing subtype before and after treatment with Fluoxetine	Ph.D degree	Supervisor	2017
Identification of chemical composition of <i>Eremostachys hyoscyamoides</i> essential oil, antibacterial and antioxidant activates of extract	Doctor of Pharmacy (Pharm.D)	Supervisor	2018
Identification of the effective metabolites and representing a differential model in patients with membranous glomerulonephritis	Ph.D degree	Supervisor	2018
Proteomic and Metabolomic Study of Serum in Patients with Papillary Thyroid Carcinoma	Ph.D. degree	Supervisor	2018
Omics study of the breast cancer cells under the influence of graphene-based materials	Ph.D. degree	Advisor	2018
Determination of metabonomic profile in Iranian isolated leishmania tropica and leishmania major promastigotes	MSc	Advisor	2018
Plasma Proteomic Analysis of Colorectal Cancer and Advanced Adenomatous Polyp	Ph.D. degree	Supervisor	2019
Association between exposure to THMs in chlorinated and ozone/chlorinated swimming pools and metabolome-wide in swimmers	Ph.D degree	Advisor	2021
The investigation of vitamin D effect on alteration of metabolites profile in peripheral blood mononuclear cells after Influenza virus infection	Ph.D degree	Advisor	2022
Effect of some biotic and abiotic elicitors on flavones content in different populations of the medicinal plant	Ph.D degree	Advisor	2023

Ziziphora clinipodioides Lam. from Razavi and North
Khorasan province

مقالات چاپ شده:



1. Taheri, Azadeh; Ganjeali, Ali; **Arefi-Oskouie, Afsaneh**; Çirak, Cüneyt; Cheniany, Monireh, The variability of phenolic constituents and antioxidant properties among wild populations of Ziziphora clinipodioides Lam, Physiology and Molecular Biology of Plants, 2023, 29 (2), 221-237.
2. Bahadori-Moghaddam, M; Kargar, S; Kanani, M; Zamiri, MJ; **Arefi-Oskouie, A**; Albenzio, M; Caroprese, M; Ciliberti, MG; Ghaffari, MH; Effects of extended transition milk feeding on blood metabolites of female Holstein dairy calves at 3 weeks of age: a liquid chromatography with tandem mass spectrometry-based metabolomics approach, animals, 2023, animal 17 (6), 100844.
3. **Oskouie, Afsaneh A**; Ahmadi, Mohammad Saeed; Taherkhani, Amir; Identification of prognostic biomarkers in papillary thyroid cancer and developing non-invasive diagnostic models through integrated bioinformatics analysis, Microna, 2022, 11 (1), 73-87.
4. Karimi, Zeinab; **Oskouie, Afsaneh A**; Rezaei, Farhad; Ajaminejad, Fatemeh; Marashi, Sayed M; Azad, Talat-Mokhtari; The effect of influenza virus on the metabolism of peripheral blood mononuclear cells with a metabolomics approach, Journal of Medical Virology, 2022, 94 (9), 4383-4392.
5. Taheri, Azadeh; Cheniany, Monireh; Ganjeali, Ali; **Arefi-Oskouie, Afsaneh**; ICP-OES assessment of trace and toxic elements in Ziziphora clinipodioides Lam. from Iran by chemometric approaches, BioMetals, 2022, 35 (6), 1169-1186.
6. **Oskouie, Afsaneh Arefi**; Aliabad, Hossein Soraki; Zanjani, Rasool Choopani; Kaveh, Shahpar; Sadeghi, Sajjad; Chelav, Leila Hashemi; Fayaz, Mohammad; Metabolomics: A New Perspective to Persian Medicine, Journal of Pharmaceutical Negative Results, 2022, 498-504.
7. Amiri-Dashatan, Nasrin; Yekta, Reyhaneh Farrokhi; Koushki, Mehdi; **Arefi Oskouie, Afsaneh**; Esfahani, Hadi; Taheri, Salman; Kazemian, Elham; Metabolomic study of serum in patients with invasive ductal breast carcinoma with LC-MS/MS approach, The International Journal of Biological Markers, 2022, 37 (4), 349-359.
8. Fayazfar S, **Arefi A**, Safaei A, Zali H, Mojarad EN. Identification of Key Candidate Genes and Pathways Associated with Colorectal Aberrant Crypt Foci-to-Adenoma-to-Carcinoma Progression. Gastroenterology and Hepatology from Bed to Bench. **2021**; **14(Suppl.1):S41-S50**.
9. Momeniha F, **Oskouie AA**, Esrafil A, Janani L, Jafari AJ. Trihalomethanes in exhaled air, indoor air and water: A parallel design trial in chlorine and ozone-chlorine disinfected swimming pools. Building and Environment. **2021** Nov 1; 205:108316.
10. Goshadrou F, Yekta RF, **Oskouie AA**, Eslami MA. Survey of potential diagnostic metabolite markers in serum of the rat model of alzheimerâ s disease using nuclear magnetic resonance (1H-nmr) technique. Koomesh. **2021**;23(1):105-16.
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13. **Oskouie AA**, Yekta RF, Tavirani MR, Kashani MS, Goshadrou F. *Lavandula angustifolia* effects on rat models of alzheimer's disease through the investigation of serum metabolic features using NMR metabolomics. *Avicenna journal of medical biotechnology*. 2018;10(2):83.
14. Bi Bi Fatemeh Nobakht Motlagh, Aliannejad R, **Oskouie AA**, Rezaei-Tavirani M, Kalantari S, Naseri MT, et al. Metabolomics diagnostic approach to mustard airway diseases: a preliminary study. *Iranian journal of basic medical sciences*. 2018;21(1):59.
15. Farrokhi Yekta R, **Arefi Oskouie A**, Rezaei Tavirani M, Mohajeri-Tehrani MR, Soroush AR. Decreased apolipoprotein A4 and increased complement component 3 as potential markers for papillary thyroid carcinoma: A proteomic study. *The International journal of biological markers*. 2018;33(4):455-62.
16. Nobakht BF, Oskouie AA. *Metabolomics as a Novel Diagnostic Approach for Asthma*. *Genomic Approach to Asthma: Springer, Singapore*; 2018. p. 123-53.
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18. Yekta RF, Oskouie AA. *Biological Databases*. *Genomic Approach to Asthma: Springer, Singapore*; 2018. p. 303-37.
19. Zamanian-Azodi M, Rezaei-Tavirani M, Nejadi N, **Oskouie AA**, Zayeri F, Hamdieh M, et al. Serum proteomic profiling of obsessive-compulsive disorder, washing subtype: A preliminary study. *Basic and clinical neuroscience*. 2017;8(4):307.
20. Safaei A, Rezaei-Tavirani M, **Oskouie AA**, Mohebbi SR, Shabani M, Sharifian A. Serum metabolic profiling of advanced cirrhosis based on HCV. *Hepatitis Monthly*. 2017;17(3).
21. Nobakht BF, **Arefi Oskouie A**, Rezaei-Tavirani M, Aliannejad R, Taheri S, Fathi F, et al. NMR spectroscopy-based metabolomic study of serum in sulfur mustard exposed patients with lung disease. *Biomarkers*. 2017;22(5):413-9.
22. Farrokhi Yekta R, Rezaie Tavirani M, **Arefi Oskouie A**, Mohajeri-Tehrani M, Soroush A. The metabolomics and lipidomics window into thyroid cancer research. *Biomarkers*. 2017;22(7):595-603.
23. Azodi MZ, Tavirani MR, **Oskouie AA**, Hamdieh M, Derakhshan MK, Ahmadzadeh A, et al. Fluoxetine regulates Ig kappa chain c region expression levels in the serum of obsessive-compulsive disorder patients: A proteomic approach. *Iranian journal of pharmaceutical research: IJPR*. 2017;16(3):1264.
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25. Safaei A, **Oskouie AA**, Mohebbi SR, Rezaei-Tavirani M, Mahboubi M, Peyvandi M, et al. Metabolomic analysis of human cirrhosis, hepatocellular carcinoma, non-alcoholic fatty liver disease and non-alcoholic steatohepatitis diseases. *Gastroenterology and hepatology from bed to bench*. 2016;9(3):158.
26. Nobakht M. Gh BF, **Oskouie AA**, Aliannejad R, Rezaei-Tavirani M, Tavallaie S, Baghban AA, et al. Pro-oxidant-antioxidant balance in Iranian veterans with sulfur

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45. **Arefi Oskouie A**, Rezaei-Tavirani M, Rostami Nejad M. Comparison of serum zinc concentrations in patients with celiac disease and Crohn's disease in Tehran city. *scientific journal of ilam university of medical sciences*. 2013;20(4):1-6.
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- پوستر

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2. Shiva Kalantari, Mohsen Nafar, Amir Taherkhani and Afsaneh Arefi, “Identification of a urinary diagnostic biomarker panel for membranous glomerulonephritis and Pathogenic metabolic pathways using metabolomics techniques” 16th European Nephrology Conference, October 02-03, 2017 Barcelona, Spain, *J Nephrol Ther* 2017, 7:5(Suppl)
3. Afsaneh Arefi Oskouie, Salman Taheri, Saeed K. Amini. “Experimental and Computational NMR Study of the Anticancer Drugs: Gemcitabine and Capecitabine”, دومین کنفرانس بین المللی یافته های 1395 نوین پژوهشی در شیمی و مهندسی شیمی
4. **Afsaneh Arefi Oskouie**.”Metabolomics and Toxicology”, the Third national seminar on the role of medical Basic Sciences in health promotion, Tehran, Iran. 2015.
5. Akram Safaei, Mostafa Rezaei Tavirani, Afsaneh Arefi Oskouie “Metabolomics for serum Biomarker Discovery in cirrhosis”, The Third National Seminar on the role of medical Basic Sciences in health promotion, The Third national seminar on the role of medical basic sciences in health promotion, Tehran, Iran. 2015.
6. Mona Zamanian Azodi, Mostafa Rezaei Tavirani, **Afsaneh Arefi Oskouie** “Molecular and Neurobiological Studies in Obsessive Compulsive Disorder (OCD)” , The Third national seminar on the role of medical basic sciences in health promotion, Tehran, Iran. 2015.
7. Akram Safaei, Mostafa Rezaei Tavirani, **Afsaneh Arefi Oskouie** “Proteomics for serum Biomarker Discovery in Cirrhosis”, The Third national seminar on the role of medical basic sciences in health promotion, Tehran, Iran. 2015.
8. **Afsaneh Arefi Oskouie**, “Dynamic stereochemistry of Rutin (vitamin P) in solution: Theoretical Approaches and experimental NMR validation”, 17th Iranian seminar of organic chemistry, University of Mazandaran, Babolsar, Iran .2010.
9. **Afsaneh Arefi Oskouie**, “An Efficient synthesis of 1-Amino-1-Phenyl-2-(N-Piperidino methyl) cyclohexane”. 17th Iranian seminar of organic chemistry, University of Mazandaran, Babolsar, Iran .2010.

10. **Afsaneh Arefi Oskouie**, Akbar Heydari, "Tetramethylguanidine (TMG) as a selective and highly efficient catalyst for conjugate addition of cyanide to α,β -unsaturated enones", 17th Iranian seminar of organic chemistry, University of Mazandaran, Babolsar, Iran .2010.
11. **Afsaneh Arefi Oskouie**, Fariba Fathi, Mohsen Tafazzoli, , Zahra Karimnia,Salman Taheri, Mostafa Rezaie-Tavirani, Mohamad Rostami Nejad,Mohamad Reza Zali. "Comparison of scale for metabonomics studies of Crohn's and Celiac disease based on NMR technique", 2nd National Seminar on the Role of Medical Basic Sciences on Health Promotion, Tehran, Iran. 2012.
12. Fariba Fathi, **Afsaneh Arefi Oskouie** *, Mohsen Tafazzoli, Zahra Karimnia,Salman Taheri, Mostafa Rezaie-Tavirani, Mohamad Rostami Nejad,Mohamad Reza Zali. "Metabonomics study of serum blood for celiac disease", 2nd National Seminar on the Role of Medical Basic Sciences on Health Promotion, Tehran, Iran .2012.
13. **Afsaneh Arefi Oskouie**, , Fariba Fathi, Mohsen Tafazzoli, Fatemeh Ektefa, Mohamad Reza Zali ,Mohamad Rostami Nejad,Salman Taheri."Assessment of Serum Zinc Level in Crohn patients in Tehran City", 2nd National Seminar on the Role of Medical Basic Sciences on Health Promotion, Tehran, Iran. 2012.
14. Fariba Fathi, **Afsaneh Arefi Oskouie**, Mohsen Tafazzoli , Zahra Karimnia,Salman Taheri, Mostafa Rezaye-Tavirani, Mohamad Rostami Nejad,Mohamad Reza Zali."Application Orthogonal Signal Correction (OSC) in metabonomics of Celiac Disease", 2nd National Seminar on the Role of Medical Basic Sciences on Health Promotion, Tehran, Iran .2012.
15. **Afsaneh Arefi Oskouie**, Fariba Fathi, Mohsen Tafazzoli, Mohammad Reza Zal, Mohammad Rostami Nejad "Evaluation of Serum Zinc Level in Celiac Patients in Tehran", 2nd National Seminar on the Role of Medical Basic Sciences on Health Promotion, Tehran, Iran .2012.
16. **Afsaneh Arefi Oskouie** "Metabolomics based on GC-MS Technique", 2nd National Seminar on the Role of Medical Basic Sciences on Health Promotion, Tehran, Iran .2012.
17. **Afsaneh Arefi Oskouie**, Leila Ma'mani ,Ehsan Rahimian Mohhamadi. "Preparation and characterization of nanohydroxyapatite-coated iron oxide nanoparticles by ultrasonic technique", The First National Seminar On The Role of Basic Sciences On Health Promotion, Tehran, Iran
18. Leila Ma'mani, **Afsaneh Arefi Oskouie**, Mehdi Sheykhani, Ehsan Rahimian Mohhamadi. "Antibacterial properties of Silver Nanoparticle Embedded on Hydroxyapatite-Encapsulated γ -Fe₂O₃ "The First National Seminar on the Role of Basic Sciences on Health Promotion, Tehran, Iran.
19. Azam Shahbodaghi, **Afsaneh Arefi Oskouie** . "Investigating the trend followed by scientists worldwide, from 1947 to 2009, to use Chemistry in medical research dealing with prevention, diagnosis and therapy", The First National Seminar on the Role of Basic Sciences On Health Promotion, Tehran, Iran.

- کتابهای چاپ شده:

1. . Afsaneh Arefi Oskouie, Organic Chemistry[In Persian Titles: Shimi ali], 2008, Ostadi Publisher, Tehran.Iran.
2. Book Chapter in “Genomic Approach to Asthma, Springer, Singapore Publisher, chapte 6: Protein and Post Translational Modification in Asthma 2018. Pages 103-21.
3. Book Chapter in “Genomic Approach to Asthma, Springer, Singapore Publisher, chapter 7 **Metabolomics as a Novel Diagnostic Approach for Asthma**, 2018, pages: 123-153.
4. Book Chapter in “Genomic Approach to Asthma, Springer, Singapore Publisher,, chapter 14, **“Biological Databases**, 2018, pages: 303-337.

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زمینه های مورد علاقه:

- Nuclear magnetic resonance spectroscopy and its application to identification of bio molecules
- NMR and Metabolomics study
- GC-MS and Metabolomics
- LC-MS/MS in metabolomics
- Natural products by advance techniques 2D NMR spectroscopy and theoretical methods.
- Study of influence of Pharmaceuticals Compounds in disease (bioinformatics).
- .Lipidomics, Proteomics