

Dr. Farhad Ahmadi

Born 13. Jun.1976 in Mashhad, Iran

Citizenship: Iranian

Marital Status: Married, One Child

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Education

Faculty of Chemistry, Razi University, Kermanshah, Iran

2003-200^v PhD Degree in Analytical Chemistry

PhD Thesis: “*Analytical and biochemical application of salophen and used of electroanalytical and GC methods for determination of metal ions and organic compound and study of diazinon-DNA interaction*” **Scientific advisor:** Prof. Mohammad Bagher Gholivand

Department of Analytical Chemistry, Faculty of Chemistry,

Tabriz University, Tabriz, IR Iran; Specialization: Analytical Chemistry- Master Degree Master 2000-2002; Thesis: “*Microwave assisted and solid phase extraction of organophosphorus pesticides from meat and monitoring by spectrophotometry procedure*” **Scientific advisor:** Prof. Javanshir Djozan

Azad University of Mashhad, Faculty of Science, Iran; 1995-1999- Specialization: Chemistry; Bachelor of Chemistry

Employment

Assistant Professor of Analytical Chemistry *September 2006 to December 2015, Faculty of Pharmacy, Kermanshah University of Medical Sciences.*

The Head of Medicinal Chemistry Department. *2013 to December 2015, Faculty of Pharmacy, Kermanshah University of Medical Sciences.*

Chairmanship of Consolation Teachers. *December 2010 to December 2015, Faculty of Pharmacy, Kermanshah University of Medical Sciences.*

Membership of University Research Affairs, *December 2013 to December 2014, Kermanshah University of Medical Sciences.*

Associated Professor of Analytical Chem. *December 2015- up to now, Faculty of Pharmacy-International Campus, Iran University of Medical Sciences.*

The Vice Chancellor of Research. *December 2015 to September 2017, International Campus of Iran University of Medical Sciences.*

The Vice Chancellor of Research. *December 2015 to September 2017, Faculty of Pharmacy, Iran University of Medical Sciences.*

Teaching Experience

General Chemistry I and II, Laboratory of General Chemistry I and II, Analytical chemistry I and II, Laboratory of Analytical Chemistry I and II, Instrumental Analysis I and II, Laboratory of Instrumental Analysis, Radio biochemistry and Radio biochemistry, Electrochemistry for PhD of Biotechnology.

Awards

December 2007: The Award for the Selected Researcher of the Year, Kermanshah University of Medical Sciences, and Certificate is given by the Chancellor of Kermanshah University of Medical Sciences.

December 2008: The Award for the Selected Researcher of the Year, Kermanshah University of Medical Sciences, and Certificate is given by the Chancellor of Kermanshah University of Medical Sciences.

December 2009: The Award for the Selected Researcher of the Year, Kermanshah University of Medical Sciences, and Certificate is given by the Chancellor of Kermanshah University of Medical Sciences.

March 2010: The Award for the Selected Teacher of the Year, Kermanshah University of Medical Sciences, and Certificate is given by the Chancellor of Kermanshah University of Medical Sciences.

December 2010: The Award for the Selected Researcher of the Year, Kermanshah University of Medical Sciences, and Certificate is given by the Chancellor of Kermanshah University of Medical Sciences

December 2011: The Award for the Selected Researcher of the Year, Kermanshah University of Medical Sciences, and Certificate is given by the Chancellor of Kermanshah University of Medical Sciences.

December 2012:The Award for the Selected Researcher of the Year, Kermanshah University of Medical Sciences, and Certificate

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December 2013:The Award for the Selected Researcher of the Year, Kermanshah University of Medical Sciences, and Certificate is given by the Chancellor of Kermanshah University of Medical Sciences.

December 2014: The Award for the Selected Researcher of the Year, Kermanshah University of Medical Sciences, and Certificate is given by the Chancellor of Kermanshah University of Medical Sciences.

January 2015: The selected of *20th Razi Research Festival on Medical Sciences in Iran (ISESCO)*.

December 2015: The Award for the Selected Researcher of the Year, Kermanshah University of Medical Sciences, and Certificate is given by the Chancellor of Kermanshah University of Medical Sciences.

December 2015: The Award for the Selected Researcher of the Year, Iran University of Medical Sciences, and Certificate is given by the Chancellor of Iran University of Medical Sciences.

December 2015: The Award for the Selected Researcher of the Year, Iran University of Medical Sciences, and Certificate is given by the Chancellor of Iran University of Medical Sciences.

August 2015: The Award for the membership of *National Elites Foundation of Iran*.

February 2016: The Award for the selected of one of researcher of the Iran with h-index more than 15 and certificate is given by the Research Chancellor of Ministry of Health and Medicinal Education.

December 2017: The Award for the Selected Researcher of the Year, Iran University of Medical Sciences, and Certificate is given by the Chancellor of Iran University of Medical Sciences.

December 2019: The Award for the Selected Researcher of the Year, Iran University of Medical Sciences, and Certificate is given by the Chancellor of Iran University of Medical Sciences.

List of Publications in various fields of research

h-index =35 (According to Scopus reports)

Sum of the Times Cited: 3161 (According to Scopus reports)

Book Chapters

Pesticides - The Impacts of Pesticides Exposure, Intech Publisher, Amsterdam, First edit., ISBN 978-953-307-531-0, January 2011.

Selected Research projects

Title	<i>Extraction and measurement of Pesticides by in-tube solid phase extraction and gas chromatography in water of Kermanshah</i>
Grant Number	KUMS 85006
Founding source	Kermanshah University of Medical Sciences
Title	<i>Chemical composition, in vitro anti-microbial, antifungal and antioxidant activities of the essential oil and methanolic extract of <i>Hymenocrater longiflorus Benth.</i>, of Iran</i>
Grant Number	KUMS 87061
Founding source	Kermanshah University of Medical Sciences
Title	<i>Simultaneous determination of ultra trace of uranium and cadmium by adsorptive cathodic stripping voltammetry using H-point standard addition method</i>
Grant Number	KUMS 87061
Founding source	Kermanshah University of Medical Sciences
Title	<i>Synthesis and characterization of lead titanate nanostructure by use of sol-gel process and investigation of its photocatalytic properties</i>

Grant Number 87067
Founding source Kermanshah University of Medical Sciences

Title *A survey on 2,4-D; Alacholor and Atrazine Pesticides Amounts in groundwater of Meyandarband and Mahidasht zones of Kermanshah using dispersive liquid- liquid microextraction followed by high performance liquid chromatography*

Grant Number 89006
Founding source Kermanshah University of Medical Sciences

Title *In vitro study of intraction of deltamethrin and pyriproxyfen insecticides with DNA*

Grant Number 89049
Founding source Kermanshah University of Medical Sciences

Title *Application of two-layer ONIOM for studying the interaction of N-substituted piperazinylfluoroquinolones with ds-DNA*

Grant Number 89093
Founding source Kermanshah University of Medical Sciences

Title *Performance evaluation of a novel potentiometric membrane sensor for determination of atorvastatin in pharmaceutical preparations*

Grant Number 89158
Founding source Kermanshah University of Medical Sciences

Title *The evaluation of antibacterial, antifungal and antioxidant activity of methanolic extract of mindium laevigatum (Vent.) Rech. f., from central part of iran*

Grant Number 90002
Founding source Kermanshah University of Medical Sciences

Title *Computational aided-molecular imprinted polymer design for solid phase extraction of metaproterenol from plasma and determination by voltammetry using modified carbon nanotube electrode.*

Grant Number 90006
Founding source Kermanshah University of Medical Sciences

Title *Computational design of an enantioselective molecular imprinted polymer for the solid phase extraction of S-warfarin from plasma*

Grant Number 90132
Founding source Kermanshah University of Medical Sciences

Title *In vitro study of damaging effects of 2,4-dichlorophenoxyacetic*

	<i>acid on DNA structure by spectroscopic and voltammetric techniques</i>
Grant Number	92276
Founding source	Kermanshah University of Medical Sciences
Title	<i>Grandivittin as a natural minor groove binder extracted from <i>Ferulago macrocarpa</i> to ct-DNA, experimental and in silico analysis</i>
Grant Number	92468
Founding source	Kermanshah University of Medical Sciences
Title	<i>Proposed binding mechanism of galbanic acid extracted from <i>Ferula assa-foetida</i> to DNA</i>
Grant Number	92470
Founding source	Kermanshah University of Medical Sciences
Title	<i>Molecular aspect on the interaction of zinc-ofloxacin complex with deoxyribonucleic acid, proposed model for binding and cytotoxicity evaluation</i>
Grant Number	94184
Founding source	Kermanshah University of Medical Sciences
Title	<i>Synthesize of Zn and Cu – metronidazole complexes and in vitro cytotoxic evaluation and DNA binding</i>
Grant Number	93026
Founding source	Kermanshah University of Medical Sciences
Title	<i>Super paramagnetic core–shells anchored onto silica grafted with C8/NH2 nano-particles for ultrasound-assisted magnetic solid phase extraction of imipramine and desipramine from plasma</i>
Grant Number	94185
Founding source	Kermanshah University of Medical Sciences
Title	<i>Synthesize of natural nanocomposites based on marine sponge and evaluation of their photocatalytic properties at UV-Vis wavelength</i>
Grant Number	IUMS 33279
Founding source	Iran University of Medical Sciences
Title	<i>Design and Fabrication of Electrochemical Sensors Based on Nanocomposite of transition and lanthanid metals- carbon allotopes for Analysing of Anticancer Drugs at biological mediums</i>
Grant Number	IUMS 32687
Founding source	Iran University of Medical Sciences

Title *Design and construction of stable and sensitive electrode for determination of the anticancer drug fluorouracil*
Grant Number IUMS 32635
Founding source Iran University of Medical Sciences

Title *Synthesize of Fe₃O₄/CdWO₄ nanocomposite, evaluation of structure, photocatalytic degradation of organic contaminants, antibacterial study*
Grant Number IUMS 31698
Founding source Iran University of Medical Sciences

Title *Preparation and characterization of a porous metal-organic framework of Fe₃O₄@MIL-100 encapsolated into chitosan as a potential drug delivery system and evaluate of its loading capacity and release behaviour for curcumin*
Grant Number IUMS 30967
Founding source Iran University of Medical Sciences

Title *The study of antibacterial, antifungal and antioxidant activities of various fractions of methanolic extract of Cymbopogon olivieri (Boiss.) Bor*
Grant Number IUMS 30845
Founding source Iran University of Medical Sciences

Title *Design and construction of a nanostructure electrochemical sensor for simultaneous determination of homocysteine and folic acid*
Grant Number IUMS 30836
Founding source Iran University of Medical Sciences

Title *Determination of binding mode of substituted foluroquinolones with DNA by electrochemical and docking methods*
Grant Number IUMS 30229
Founding source Iran University of Medical Sciences

Title *Make a nano-electrochemical sensor for detection of clonazepam*
Grant Number IUMS 30213
Founding source Iran University of Medical Sciences

Title *Making of nano electrochemical aptasensor for identification and quantification of leukemia cancer cells*
Grant Number IUMS 30180
Founding source Iran University of Medical Sciences

Title *The synthesize of rare earth-vanadate nanoparticles by carbohydartes, photocatalytic evaluations in order to increas of*

antibacterial properties

Grant Number IUMS 29522
Founding source Iran University of Medical Sciences

Title *Introduce of two phase freezing method for extraction of selective strogen receptor modulator drugs from plasma and determination by HPLC*

Grant Number IUMS 27749
Founding source Iran University of Medical Sciences

Title *Construction of biocompatible nanocarriers and pHresponsive of ZnFe₂O₄ mesoporous ZnO porous graphiticphase carbon nitride to carrier and released of anticancer drugs*

Grant Number IUMS 12328
Founding source Iran University of Medical Sciences

Title *Construction of Nanocomposite of Functionalized Marine Sponge with AgNPs Aptasensor to detect of Staphylococcus Aureus*

Grant Number IUMS 12377
Founding source Iran University of Medical Sciences

Title *Design of a nano-sensors based on carbon nano sheet-metal nanoparticles-organic polymers for selective determination of electroactive drugs*

Grant Number IUMS 13695
Founding source Iran University of Medical Sciences

Title *Fabrication of Nanosensor based on titanium dioxide nanoparticlesionic liquid for analyses of zolpidem*

Grant Number IUMS 13738
Founding source Iran University of Medical Sciences

Title *Synthesize and evaluation of nano carrier of ZnFe₂O₄@mZnO-N/RGO for delivery of loaded curcumin by assisted ultarsound waves*

Grant Number IUMS 14764
Founding source Iran University of Medical Sciences

Title *Fabrication of Nanosensor based on Iron oxide nanoparticles for simultaneous measurement of Acyclovir and Acetaminophen*

Grant Number IUMS 15507
Founding source Iran University of Medical Sciences

Title *Design of electrochemical aptabio-nanosensor for detection and determination of digoxin*

Grant Number IUMS 16359
Founding source Iran University of Medical Sciences

Title *Design and Fabrication of 2 Electrochemical Biosensors Based on Au Disk Electrode Modified With Self-Assembled Monolayers and Aptamer for Detection of 2 anthracyclines drugs*

Grant Number IUMS 17644
Founding source Iran University of Medical Sciences

Title *Design and synthesise of pharmaceutical ingredient of Favipiravir*
Grant Number IUMS 17862
Founding source Iran University of Medical Sciences

Title *Design and fabrication of an electrochemical sensor for methotrexate anticancer drug based on carbon modified electrodes with carbon nano-onions*

Grant Number IUMS 18400
Founding source Iran University of Medical Sciences
Fabrication of SPME fibers coated with electrogenerated layered double hydroxide for measurement of organophosphoric pesticide of Fenitrothion before gas chromatographic analysis

Title *Fabrication of Nanosensor based on modified Screen printed Carbon by metal oxide for detection of Rizatriptan*

Grant Number IUMS 18402
Founding source Iran University of Medical Sciences
Fabrication of Nanosensor based on modified Screen printed Carbon by metal oxide for detection of Rizatriptan

Title *Design and synthesise carbon nano onion composites as sorbent for extraction of pesticides from aqueous medium*

Grant Number IUMS 18925
Founding source Iran University of Medical Sciences
Design and synthesise carbon nano onion composites as sorbent for extraction of pesticides from aqueous medium

Title *Fabrication of electrochemical sensor for Sumatriptan based on modified carbon electrode with thitanium carbid*

Grant Number IUMS 19515
Founding source Iran University of Medical Sciences
Fabrication of electrochemical sensor for Sumatriptan based on modified carbon electrode with thitanium carbid

Title *Design and fabrication of magnetic ZnFe₂O₄@L-cysteine -N, O - rich pg-C₃N₄ nanoparticles as targeted carriers in sonodynamic chemotherapeutic to enhancment of cancer tumors eradication*

Grant Number IUMS 19622
Founding source Iran University of Medical Sciences
Design and fabrication of magnetic ZnFe₂O₄@L-cysteine -N, O - rich pg-C₃N₄ nanoparticles as targeted carriers in sonodynamic chemotherapeutic to enhancment of cancer tumors eradication

Title *Design and fabrication of magnetic ZnFe₂O₄@L-cysteine -N, O - rich pg-C₃N₄ nanoparticles as targeted carriers in sonodynamic chemotherapeutic to enhancment of cancer tumors eradication*

Grant Number IUMS 19769
Founding source Iran University of Medical Sciences

Published Articles

1. M. B. Gholivand*, **F. Ahmadi**, and E. Rafiee. Highly Copper(II) Ion-Selective Transport Through Liquid Membrane Containing N,N'-bis(salicylidene)-1,2-phenyldiamine. *Separation Science and Technology* 41 (2006) 315-327.
2. M.B. Gholivand*, **F. Ahmadi**, E. Rafiee. A Novel Al(III)-Selective Electrochemical Sensor Based on N,N'-Bis(salicylidene)-1,2-phenylenediamine Complexes. *Electroanalysis* 18 (2006) 1620-1626.
3. M. R. Ganjali* M. B. Gholivand, M. Rahimi-Nasrabadi, **F. Ahmadi**. Synthesis of a New Octadentates Schiff's Base and Its Application in Construction of a Highly Selective and Sensitive Lanthanum (III) Membrane. *Sensor Letters* 4 (2006) 356-363.
4. M.B. Gholivand*, **F. Ahmadi**, E. Rafiee, Solid Phase Extraction and Determination of Ultra Trace Amounts of Copper using Activated Carbon Modified by N,N'- Bis(Salicylidene)-1,2-Phenylenediamine. *Separation Science and Technology*. 42 (2007) 897-910.
5. **F. Ahmadi***, S. Kashanian, M. B. Gholivand. Interaction of Diazinon with DNA. *Toxicology Letters* 172 (2007) S205.
6. **F. Ahmadi***, M.A. Daneshmehr, M. Rahimi, The effect of anionic and cationic surfactants on indicators and measurement of dissociation constants with two different methods. *Spectrochimica Acta A* 67 (2007) 412-419.
7. L. Hosseinzadeh, Sh. Abassi, **F. Ahmadi***. Adsorptive Cathodic Stripping Voltammetry Determination of Ultra Trace of Lead in Different Real Samples. *Analytical Letters* 40 (2007) 2693-2707.

8. S. Kashanian*, M.B. Gholivand, **F. Ahmadi**, Ali taravati. DNA interaction with Al–N,N -bis(salicylidene) 2,2 -phenylendiamine complex. *Spectrochimica Acta A* 67 (2007) 472-478.
9. M.B. Gholivand*, **F. Ahmadi**, A. Sohrabi. Adsorptive Stripping Voltammetric Determination of Ultra Trace of Zinc and Lead with Carbidopa as Complexing Agent in Food and Water Samples. *Electroanalysis* 19 (2007) 2465-2471.
10. Sh. Abbasi, A. Sohrabi, **F. Ahmadi***. Determination of Ultra Trace Amounts of Uranium (VI) by Adsorptive Stripping Voltammetry Using L-3-(3, 4-dihydroxy phenyl)Alanine as a Selective Complexing Agent. *Analytical Letters* 41 (2008) 1128-1143.
11. S. Kashanian*, S. Askari, **F. Ahmadi**, K. Omidfar, S. Ghobadi, F. Abasi Tarighat. In Vitro Study of DNA Interaction with Clodinafop-Propargyl Herbicide. *DNA and Cell Biology* 27 (2008) 581-586.
12. **F. Ahmadi***, A.A. Shahsavari, M. Rahimi-Nasrabadi. Automated extraction and preconcentration of multiresidue of pesticides on a micro-solid-phase extraction system based on polypyrrole as sorbent and off-line monitoring by gas chromatography–flame ionization detection. *Journal of Chromatography A*, 1193 (2008) 26-31.
13. S. Kashanian*, M. B. Gholivand, **F. Ahmadi**. Interaction of Diazinon with DNA and the Protective Role of Selenium in DNA Damage. *DNA and Cell Biology* 27 (2008) 325-332.
14. M. Rahimi-Nasrabadi*, M.R. Ganjali, M.B. Gholivand, **F. Ahmadi**, P. Norouzi, M. Salavati-Niasari, A cyclic voltammetry investigation of the complex formation between Cu²⁺ and some Schiff bases in binary

acetonitrile/dimethylformamide mixtures. *Journal of Molecular Structure* 885 (2008) 76-81.

15. M. Joshaghani*, M.B. Gholivand, **F. Ahmadi**, Spectrophotometric and conductometric study of complexation of salophen and some transition metal ions in nonaqueous polar solvents. *Spectrochimica Acta Part A* 70 (2008) 1073-1078.

16. M.B. Gholivand, **F. Ahmadi***, Simultaneous Determination of Trans-Cinnamaldehyde and Benzaldehyde in Different Real Samples by Differential Pulse Polarography and Study of Heat Stability of Trans-Cinnamaldehyde. *Analytical Letters* 41(2008) 3324-3341.

17. M. Rahimi-Nasrabadi, **F. Ahmadi***, M. Pourmortazavi, M.R. Ganjali, K. Alizadeh. Conductometric study of complex formations between some substituted pyrimidines and some metal ions in acetonitrile and the determination of thermodynamic parameters. *Journal of Molecular Liquids* 144 (2009) 97-101.

18. **F. Ahmadi***, F. Bakhshandeh, In Vitro Study of Damaging Effects of 2,4-Dichlorophenoxyacetic Acid on DNA Structure by Spectroscopic and Voltammetric Techniques. *DNA and Cell Biology* 28 (2009) 527-533.

19. **F. Ahmadi***, H. Asgharloo, S. Sadeghi, V. Gharehbagh-Aghababa, H. Adibi, Post-derivatization procedure for determination of hippuric acid after extraction by an automated micro solid phase extraction system and monitoring by gas chromatography. *Journal of Chromatography B*, 877 (2009) 2945-2951.

20. **F. Ahmadi***, A.A. Alizadeh, F. Bakhshandeh-Saraskanrood, B. Jafari, M. Khodadadian, Experimental and computational approach to the rational monitoring of hydrogen-bonding interaction of 2-Imidazolidinethione with DNA and guanine. *Food and Chem. Toxicol.* 48 (2010) 29-36.

21. M.B. Gholivand*, M.khodadian, **F. Ahmadi**, Computer aided-molecular design and synthesis of a high selective molecularly imprinted polymer for solid-phase extraction of furosemide from human plasma. *Analytica Chimica Acta* 658 (2010) 225-232.
22. **F. Ahmadi***, F. Bakhshandeh-Sareskanrood. Simultaneous Determination of Ultra Trace of Uranium and Cadmium by Adsorptive Cathodic Stripping Voltammetry Using H-Point Standard Addition Method. *Electroanalysis*, 22 (2010) 1207-1216.
23. **F.Ahmadi***, S.Sadeghi, M. Modaressi, R. Abiri, A. Mikaeli, Chemical composition, in vitro anti-microbial, antifungal and antioxidant activities of the essential oil and methanolic extract of *Hymenocrater longiflorus* Benth., of Iran. *Food and Chemical Toxicology* 48 (2010) 1137-1144.
24. M Khodadadian, **F. Ahmadi***. Computer-assisted design and synthesis of molecularly imprinted polymers for selective extraction of acetazolamide from human plasma prior to its voltammetric determination. *Talanta* 81 (2010) 1446-1453.
25. M. Rahimi-Nasrabadi*, Sh. Nazarian, **F. Ahmadi**, S. M. Pourmortazavi, H. Pourmohamadian, H. Batooli, In vitro antibacterial activity of essential oils and methanol extracts of two Eucalyptus species. *International Journal of Essential Oil Therapeutics* 4 (2010) 149-153.
26. **F. Ahmadi***, B. Jafari, Voltammetry and Spectroscopy Study of In Vitro Interaction of Fenitrothion with DNA. *Electroanalysis* 23 (2011) 675-682.
27. **F. Ahmadi***, Ali Akbar Alizadeh, Nahid Shahabadi, Study binding of Al-curcumin complex to ds-DNA, monitoring by multispectroscopic and voltammetric techniques. *Spectrochimica Acta A* 79 (2011)1466-1477.

28. **F. Ahmadi***, S. Ghasemi, M. Rahimi-Nasrabadi. Adsorptive cathodic stripping determination of minoxidil in pharmaceutical, cream and shampoo products. *Collection Czech. Chemimical Communication* 76 (2011) 371-382.
29. M.B. Gholivand*, **F. Ahmadi**, Adsorptive cathodic stripping voltammetric determination of curcumin in turmeric and human serum. *Collection Czech. Chemical Communication* 76 (2011) 143-157.
30. **F. Ahmadi***, R. Ghordoie-Milan. Spectrophotometric determination of atorvastatin and amlodipine by H-point standard addition method with simultaneous addition of both analyte in non-aqueous solution. *Collection Czech. Chemical Communication* 76 (2011) 193-205.
31. **F. Ahmadi***, J. Ahmadi, M. Rahimi-Nasrabadi. Computational approaches to design a molecular imprinted polymer for high selective extraction of 3,4-methylenedioxymethamphetamine from plasma. *Journal of Chromatography A*, 1218 (2011) 7739-7747.
32. M. Rahimi-Nasrabadi*, **F. Ahmadi**, H. Batooli. Chemical composition of essential oil and in vitro antioxidant activities of the essential oil and methanol extracts of *Eucalyptus loxophleba*. *Natural Product Research* 26 (2012) 669-674.
33. A. Shahsavari*, K. Khodaie, **F. Ahmadi**, M. Zamanzadeh. Ground water pesticides residue in the southwest of Iran-Shushtar plain. *Environmental Earth Science* 65 (2012) 231-239.
34. **F. Ahmadi***, N. Jamali, S. Jahangard-Yekta, B. Jafari, S. Nouri, F. Najafi, M. Rahimi-Nasrabadi. The experimental and theoretical QM/MM study of interaction of chloridazon herbicide with ds-DNA. *Spectrochimica Acta A* 79 (2012) 1004-1012.

35. M. Rahimi-Nasrabadi, **F. Ahmadi*** and H. Batooli. Essential oil composition of Eucalyptus procera Dehnh. leaves from central Iran. *Natural Product Research* 26 (2012) 637-642.
36. **F. Ahmadi***, N. Jamali, R. Moradian, B. Astinchap. Binding Studies of Pyriproxyfen to DNA by Multispectroscopic Atomic Force Microscopy and Molecular Modeling Methods. *DNA and Cell Biology*, 31 (2012) 259-268.
37. **F. Ahmadi***, N. Jamali. Study of DNA-Deltamethrin Binding by Voltammetry, Competitive Fluorescence, Thermal Denaturation, Circular Dichroism, and Atomic Force Microscopy Techniques. *DNA and Cell Biology* 31 (2012) 811-819.
38. **F. Ahmadi***, H. Rezaie. R. Tahvilian, Computational-aided design of molecularly imprinted polymer for selective extraction of methadone from plasma and saliva and determination by gas chromatography. *Journal of Chromatography A*, 1270 (2012) 9-19.
39. M. Rahimi-Nasrabadi, S. Pourmohamadian, S. M. Pourmortazavi, **F. Ahmadi***, M. R. Ganjali, A. Moghimi, NMR study of the stoichiometry and stability of complexation reaction between Mg²⁺, Ca²⁺, Sr²⁺ and Ba²⁺ ions and 60-crown-20 in binary acetonitrile solvent mixtures. *Journal of Inclusion Phenomenon Macrocyclic Chemistry* 73 (2012) 263-267.
40. **F. Ahmadi***, M.B. Gholivand, E. Yavari, Introduce of Minoxidil as a Very Selective ligand for Ultra Trace Detection of Copper Ion by Adsorptive Stripping Voltammetric Method. *Analytical and Bioanalytical Electrochemistry* 4 (2012) 431 – 446.

41. M. Shariati-Rad*, M. Irandoust, T. Amini and **F. Ahmadi**. Partial Least Squares and Continuous Wavelet Transformation in Simultaneous Spectrophotometric Determination of Amlodipin and Atorvastatine. *Pharmaceutica Analytica Acta* 3 (2012) 1-9.
42. M. Rahimi-Nasrabadi*, Sh. Nazarian , S.M. Pourmortazavi, **F. Ahmadi**, S. M. Pourmohamadian M. Shabani , H. Batooli. Antibacterial Activity of the Essential Oil and Methanol Extract of Eucalyptus procera Leaves from the Central of Iran. *Journal of Essential Oil Bearing Plants* 15 (2012) 672-677.
43. **F. Ahmadi***, R. Ghordoie-Milan, Determination of levonorgestrel and ethinyl estradiol in pharmaceutical formulations by H-point standard addition method in nonaqueous solvent using simultaneous addition of both analytes. *Journal of Reports in Pharmaceutical Sciences* 1 (2012) 6-14.
44. Mehdi Rahimi-Nasrabadi*, Shahram Nazarian, Hadi Farahani, Gholam Reza Fallah Koohbijari, **F. Ahmadi**, and Hossein Batooli. Chemical Composition, Antioxidant, and Antibacterial Activities of the Essential Oil and Methanol Extracts of Eucalyptus largiflorens F. Muell. *International Journal of Food Properties* 16 (2013) 369-381.
45. **F. Ahmadi***, T. Bapirzadeh. High-performance liquid chromatographic determination of naproxen in plasma after extraction by a novel in-tube solid phase liquid liquid liquid extraction method. *Journal of liquid chromatography and related technology* 36 (2013) 1280-1295.
46. M. Rahimi-Nasrabadi*, S. M. Pourmortazavi, Sh. Nazarian, **F. Ahmadi**, H. Batooli, Chemical Composition, Antioxidant, and Antibacterial Activities of the Essential Oil and Methanol Extracts of Eucalyptus oleosa Leaves. *International Journal of Food Properties* 16 (2013) 1080-1091.

47. **F.Ahmadi***, B. Jafari, M. Rahimi-Nasrabadi, Sahar Ghasemi, K. Ghanbari. Proposed model for in vitro interaction between fenitrothion and DNA, by using competitive fluorescence, ³¹P NMR, ¹H NMR, FT-IR, CD and molecular modeling. *Toxicology in vitro* 27 (2013) 641-650.
48. **F. Ahmadi***, N Assadi, Performance Evaluation of a Novel Potentiometric Membrane Sensor for Determination of Atorvastatin in Pharmaceutical Preparations. *Iranian Journal of Pharmaceutical research*, 12 (2013) 645-657.
49. **F. Ahmadi***, S. Jahangard, A. Heidari-Moghadam, Application of two-layer ONIOM for studying the interaction of N-substituted piperazinylfluoroquinolones with ds-DNA. *Journal of Theoretical and Computational Chemistry* 1006 (2013) 9-18.
50. **F. Ahmadi***, M.R. Saberhari, R. Abiri, In Vitro Evaluation of Zn–Norfloxacin Complex as a Potent Cytotoxic and Antibacterial Agent, Proposed Model for DNA Binding. *Applied Biochemistry and Biotechnology*, 170 (2013) 988-1008.
51. M. Modaressi, R. Shasavari **F. Ahmadi***, R. Abiri, H. Batoli, M. Rahimi Nasrabadi, The Evaluation of Antibacterial, Antifungal and Antioxidant Activity of Methanolic Extract of *Mindium Laevigatum* (Vent.) Rech. F., From Central Part of Iran. *Jundishapur Journal of Natural Pharmaceutical Products* 8 (2013) 34-40.
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