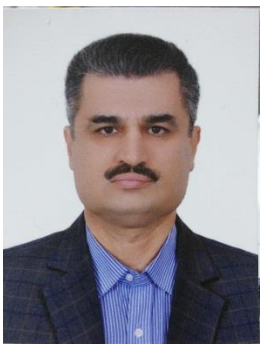

Curriculum Vitae

Personal Data:

Name	Surname	Date of Birth	Nationality	Sex	Marital Status
Karim	Asadpour-Zeynali	1971	Iranian	Male	Married

Telephone	Fax	E-mail
+98 411 339 3111	+98 411 334 0191	asadpour@tabrizu.ac.ir ; k.zeynali@gmail.com

Educational Background: (Last One First)

Certificate Degree	Field of Specialization	Name of Institution Attended	Date Received
Ph.D.	Analytical Chemistry	Tabriz University	2005
M.S.	Analytical Chemistry	Tabriz University	1999
B.Sc.	Chemistry	Urmia University	1997

Title of Post-Graduate Thesis:
Investigation of electrocatalitic behavior of polyaniline modified graphite electrode and its application for determination of some organic compounds

Title of Doctorate Thesis:
Designing artificial neural networks for simultaneous electrochemical determination of compounds, prediction of solute solubilities and electrophoretic mobilities in capillary electrophoresis

Teaching Experiences: (Last One First)

Title of Course	Level	Dates		Name of Institution
		From	To	
Chemometrics	Ph.D.	2005	Continue	Tabriz university
Lab. of Analytical Chemistry 2	B.Sc	2005	Continue	Tabriz university
Lab. of Instrumental Analysis	B.Sc	2006	2010	Tabriz university
Lab. of Analytical Chemistry1	B.Sc	2006	Continue	Tabriz university
Instrumental Analysis	B.Sc	2006	2014	Tabriz university
General Chemistry 1	B.Sc	2006	2014	Tabriz university
General Chemistry2	B.Sc	2006	Continue	Tabriz university
Nuclear Chemistry	B.Sc	2001	2001	PayameNoor University (Tabriz)
Analytical Chemistry 1	B.Sc	2000	2007	PayameNoor University (Tabriz)
Analytical Chemistry Lab. 2	B.Sc	2005	2006	PayameNoor University (Tabriz)
Analytical Chemistry Lab. 1	B.Sc	2000	2006	PayameNoor University (Tabriz)

Administrative Responsibilities: (Last One First)

Job Title	Place of Work	Date		Name of Institution
		From	To	
Head of Department of Analytical Chemistry	Faculty of Chemistry	2007	2011	University of Tabriz.
Vice-Dean for Education	Faculty of Chemistry	2013	2018	University of Tabriz.
Head of Department of Analytical Chemistry	Faculty of Chemistry	2018	2022	University of Tabriz.
Vice-Dean for Education	Faculty of	2023	Continue	University of Tabriz.

Academic Positions: (Last One First)

Title of Position	Field of Specialization	Date		Name of Institution
		From	To	
Assistant Professor	Analytical Chemistry	2005	2010	Tabriz University
Associate Professor	Analytical Chemistry	2010	2017	Tabriz University
Professor	Analytical Chemistry	2017	Continue	Tabriz University

Master and Doctorate Thesis Supervision:

No	Full Name of Student	Level	Title of Thesis
1	Mitra Zarifi	MSc	Preparation of modified carbon ceramic electrode with ZSM-5 and its application in the electrocatalysis and electrochemical behavior investigation of Piroxicam
2	Masood Tahmasebpour	MSc	Development and application of automated multivariate analysis method for simultaneous determination of Ni^{2+} and Zn^{2+} by differential pulse polarograpy method
3	Javad Valipour	MSc	Application of MCR-ALS in Studying of Electroanalytical Behavior of Glycine Complexes with some of Heavy Metals and Its Analytical Application for the Determination of Pb^{2+} and Cd^{2+}
4	Samira Jafari	MSc	Presentation of NAS-standard addition method and its application for simultaneous determination of some heavy metals by DPASV
5	Payam Soheyli Azad	MSc	Development and application of support vector machine in simultaneous determination of some organic componds by differential pulse polarography
6	Parvaneh Najafi	MSc	Preparation of modified pencil-lead electrode with bismuth and its application in the electrolysis
7	Naeemeh Motahr\harinezhad	MSc	Simultaneous determination of Rifampin and Isoniazid by differential pulse polarography and Net Analyte Signal Based methods
9	Elhameh Saeb	MSc	Presentation of Generelized Net Analyte Signal Standard Addition Method for Simultaneuse Determination of some Pesticides and Antituberculosis Medications with Spectrophotometry Technique
10	Parvaneh Mohammad Hosseinpour	MSc	Preparation of bismuth hexacyanoferrate modified pencil lead electrode and its application in determination of some of organic compounds
11	Hadis Khakpour	MSc	Preparation of pencil lead electrode modified with poly-eriochrome blackT and its application in determination of hidrazin

12	Sanaz Ranjdar	MSc	Development of net anlayte signal standard addition method for simultaneous determination some of components in kinetic systems and spectrophotometric technique
13	Majid Mahboobi	MSc	Simultaneous determination of ceftazidime and ceftriaxone using multivariate calibration methods based on net analyte signal
14	Yaser Arteshi	MSc	Preparation of pencil lead electrode modified with poly-eriochrome blackT and its application in determination of isoniazide
15	Roghayeh Esfandiari	MSc	Development and application of net analyte signal standard addition method and its for simultaneous determination of some chemical drags by spectrophotometry
16	Fariba Molarasoli	MSc	Simultaneous determination of synthetic colorants Sunset yellow-Carmoisine at bismuth and chitosan-bismuth thin film modified glassy carbon electrode by differential pulse voltammetry technique and multivariate calibration methods
17	Venos baghal-Abadi	MSc	Simultaneous determination of isoniazid and hydrazine at glassy carbon electrode modified with poly-eriochrome black-T by differential pulse voltammetry methode and multivariate calibration
18	Akbar khaghani	MSc	Simultaneous kinitic determination of citric acid and ascorbic acid and simultaneous determination of acetaminophen and diphen hydramin using spectrophotomery and net analyte signalbased methods
19	Peyman Ezati	MSc	Quantitative structure–activity relationship study of the isoniazid derivatives as anti-tuberculosis drugs, using artificial neural network (NNA) and multiple linear regression (MLR)
20	Sara Manafi Khoshmanesh	MSc	Simultaneous determination of food dyes, sunset yellow-quinoline yellow and sunset yellow-carmoisine by Net analyte signal based method and spectrophotometric Technique
21	Bahar Ghasemzadeh	MSc	Simultaneous determination of some cations by using kinetic data and spectrophotometric Technique
22	Akram Mashmool	MSc	Development of novel electrochemical sensor for simultaneous determination of Rifampicin and Isoniazid using activated pencil graphite electrode.
23	Abdollah Abdllahi-Aghdam	MSc	Design and investigation for constraction of electrodes array for use as a detector in the micro separation.
24	Yasin Shabangholi	MSc	Electrochemical synthesis of Fe/Al-layered double hydroxide on a glassy carbon electrode: application for electrocatalytic reduction of some pharmacuticals
25	Mozhdeh Aleshi	MSc	Fabrication of bismuth-chitosan modified glassy carbon electrode and it's application in measurement of tartrazin synthetic dye in food and drug samples
26	Sanaz Sajedi	MSc	Development of new method based on liquid-liquid microextraction for separation and determination of Bosentan in biological samples by spectroscopic method

27	Samaneh Habibi-Rad	MSc	Preparation of glassy carbon electrode modified with the layered double hydroxide Co-Fe and its application in electrocatalytic and determination of Acetaminophen
28	Mohammad Hossein Sabeti	MSc	Preparation of glassy carbon electrode modified with copper and copper hydroxides and its application in electrocatalytic determination of some pharmaceutical compounds
29	Fatemeh Taherzadeh	Ph.D	Analysis of spectroelectrochemical data recorded using a novel grid graphite modified electrodes with carbon nanotubes, using three-way calibration methods and analysis of variation matrix array by bilinear least squares-
30	Javad Vallipour	Ph.D	Multi-way analysis of trilinear and non-trilinear electrochemical and spectroelectrochemical data for simultaneuse determination of some organic compounds and development of hard-soft multi-way analysis for chemical equilibrium and kinetic systems
31	Fariba Mollarasouli	Ph.D	The development of novel synthesis methods of core-shell quantum dots and nanospheres, nanorods and nanotubes structures: their utilization in fabrication of sensors for Electroalytical applications
32	Roghayeh Amini	Ph.D	Preparation of modified electrodes based on layered double hydroxide nanoparticles and their electroanalytical applications
33	Nasim Alaei Miri	MSc	Preparation of glassy carbon electrode modified with Cerium oxide nanoparticles and its application in electrocatalytic determination of caffeine
34	Ziba Alipour	MSc	**Preparation of glassy carbon electrode modified with Tungsten oxide (WO_3) nanoparticles and its application in electrocatalytic determination of Isoniazid**
35	Negar Amirhagian	MSc	Preparation of glassy carbon electrode modified with gold and copper nanoparticles and its application in electrocatalytic determination metronidazole
36	Sepiddeh Amjadi	MSc	Sonoelectrochemically preparation of Fe-Al/LDH on nickel foam in order to investigation of water oxidation and preparation of glassy carbon electrode modified with CdS-CoFe3O4 magnetic nanocomposite for
37	Pegah Asamand	MSc	Preparation of modified glassy carbon electrode with aluminum-zinc double layer hydroxides and its application in the electrocatalytic measurement of metronidazole
38	Parisa Beykzadeh	MSc	Modification of FTO electrode substrate with Zn-Al LDH/SnS in order to investigation of reduction and also with Zn-Al LDH/Cu2O for electrocatalytic water oxidation
39	Khadijeh Bigdeloo	MSc	Preparation of modified glassy carbon electrode with graphene quantum dots-chitosan and its application in electrocatalytic determination of acetaminophen and modification of FTO electrode substrate for water
40	Sepideh Ezzatzadeh	MSc	Preparation of modified gel cell electrode with nickel-cobalt nanoparticles and its application in electrocatalytic measurement of tinidazole

41	Sevda Fazli	MSc	Investigation of electrochemical synthesis temperature effect of the binary transition metals sulfide on nickel foam in water oxidation study-modification of exfoliated graphite electrode with MnO2 for use in supercapacitors
42	Nasrin Lotfi	MSc	Preparation of glassy carbon electrode modified with ZnO nanoparticles and its application in electrocatalytic determination drug samples
43	Shahram Sharifi	MSc	Design and fabrication of microchip capillary electrophoresis with optical detector in order to determination of some pharmaceutical components
44	Elnaz Delnavaz	MSc	Preparation of glassy carbon electrode modified with cobalt nanoparticles and its alloys and their application in Electrocatalytic determination of some medicinal compounds
45	Shima Khakparaghi	MSc	Modification of Cu foam electrode using Cu(OH)2, CuO and Layered double hydroxide for water splitting study
46	Aysan A'labaf Sabbaghi	MSc	he electrochemical synthesis of CdSe@Cu2Se quantum dots and chemical synthesis of CdSe@ZIF-8 nanocomposites in deep eutectic solvent and their application in the electrochemical determination of some
47	Somayeh Azizi	MSc	Electrochemical synthesis of CoNiWO4 and chemical synthesis of CdTe@Ag2Te in order to preparation of glassy carbon modified electrodes and application of them as sensor in determination of some pharmaceuticals
48	Alireza Dasi	MSc	Application of Bi2Te3 decorated on graphitic carbon nitride nanosheets in preparation of electrochemical sensor for determination of epinephrine in biological and pharmaceutical samples
49	Mona Ezazi	MSc	A facile method for synthesis of Ag/Ni(OH)2 composite and its application for electrocatalytic determination of Nitrofurantoin
50	Sahar Ghadimipor	MSc	Preparation electrochemical sensors for determination of some pathogenic bacteria in Biological and food samples via pyrrole and 3-thiopheneacetic acid molecularly imprinted polymers modified electrodes
51	Mahsa MehrAvaran	MSc	Photoelectrochemical reduction of CO2 in Microbial Fuel cell and its sono-photoelectrochemical reduction, using p-n heterojunction
52	Masoumeh Mosarrezaee	MSc	Preparation of modified glassy carbon electrode by metal-organic framework MIL-101-(Cr) for electrocatalytic determination of uric acid
53	Fatemeh Naji	MSc	Modification of glassy carbon electrode with metal-organic framework Ag-Fe MOF for determination of atorvastatin
54	Elhameh Saeb	Ph.D.	Multi-Step Modification of Electrode Surfaces Using Conductive Polymers, Metal Organic Frameworks and Noble Metals and Their Application as Electrochemical Sensors

55	Elhameh Mohammadpour Ghorchi	Ph.D.	Preparation of modified electrodes with nanostructures and their applications to study of oxidation and reduction of water by electrochemical methods
56	Nasrin Lotfi	Ph.D.	Preparation of sensors based on MoS2 nanostructures and their application in the electrocatalytic determination of electroactive compounds
57	Tahereh Mohammadi	Ph.D.	Prepration of catalyst inks based on nanoparticles of some transition metals with Nickel Alloys on Nickel foam substrate and investigation of their performance in polymer electrolyte membrane fuel Cell
57	Saeedeh Shahparast	Ph.D.	Preparation of modified electrodes with layered double hydroxides (LDHs) and their new composites for electrocatalysis of pharmaceutical compounds and water
58	Ali Rasi	MSc	Fabrication of a polishable and reusable triple electrode as a new generation of three-electrode systems for the electrochemical analysis applications through both immersion and drop casting procedures
59	Mehrdad Abbasi	MSc	Design and fabrication of a polishable triple graphite electrode and its application in the electrochemical determination of azathioprine by drop-casting on the electrode surface

Publications:

A: Books

Title	Type of Work		Publisher	Date of Publication
	Translation	Compilatio		
MOF-based Electrochemical Sensors for Viruses/ Bacteria		Book Chapter	CRC Press	2022
Fundamentals of Biomimetic Sensor Technology		Book Chapter	Elsevier	2025

Publications:

B: Papers

Title of Paper	Place of Publication	Date of Publication
1- *Solubility prediction of anthracene in binary and ternary solvents by artificial neural networks (ANNs)*	*Fluid Phase Equilibria*	*2004*
2- *Modeling drug solubility in water–cosolvent mixtures using an artificial neural network*	*IL FARMACO*	*2004*

3- *Genetic algorithm based potential selection in simultaneous voltammetric determination of isoniazid and hydrazine by using partial least squares (PLS) and artificial neural networks (ANNs)*	*Electroanalysis*	*2005*
4- *Resolution of Differential Pulse Voltammetric Peaks Using Genetic Algorithm Based Variable Selection-Partial Least Squares and Principal Component-Artificial Neural Network*	*J. Chin. Chem. Soc.*	*2005*
5- *Modeling the electrophoretic mobility of beta-blockers in capillary electrophoresis using artificial neural networks*	*IL FARMACO*	*2005*
6- *Simultaneous spectrofluorometric and spectrophotometric determination of melatonin and pyridoxine in pharmaceutical preparation by multivariate calibration methods*	*IL FARMACO*	*2005*
7- *Modelling the electrophoretic mobility of analytes in binary solvent electrolyte systems in capillary electrophoresis using artificial neural network*	*Pharmazie*	*2005*
8- *Prediction of the Retention Factor in Micellar Electrokinetic Chromatography Using Computational Descriptors and an Artificial Neural Network*	*Polish Journal of Chemistry*	*2005*
9- *Simultaneous Voltammetric Determination of Cysteine, Tyrosine and Tryptophan by Using Principal Component-Artificial Neural Networks (PC-ANNs)*	*Asian Journal of Chemistry*	*2006*
10- *Voltammetric behavior and determination of isoniazid in pharmaceuticals by using overoxidized polypyrrole glassy carbon (OPPyGC) modified electrode*	*J. Electroanal. Chem.*	*2006*
11- *Electrocatalytic oxidation of hydrazine at overoxidized polypyrrole film modified glassy carbon electrode*	*Electrochimica Acta*	*2007*
12- *Preparation and Electrochemical Study of Modified Carbon Ceramic Electrode with 5-(4-Dimethyl amino benzelyden)-rhodanin for the Determination of Silver*	*Electroanalysis*	*2007*
13-*Study of acid orange 7 removal from aqueous solutions by powdered activated carbon and modeling of experimental results by artificial neural network*	*Desalination*	*2007*
14- *Modeling vasorelaxant activity of some drugs-drug candidates using artificial neural networks*	*Journal of Pharmacology and Toxicology*	*2007*
15- *Solubility Prediction of Drugs in Supercritical Carbon Dioxide Using Artificial Neural Network*	*Iranian Journal of Pharmaceutical Research*	*2007*
16- *Sol-gel-derived biosensor based on plant tissue: the inhibitory effect of atrazine on polyphenol oxidase activity for determination of atrazine*	*J. Chin. Chem. Soc*	*2008*
17-*Modeling of gas chromatographic-ECD retention times of PFB derivatives of phenol by using artificial neural networks*	*Journal of Separation Scince*	*2008*
18- *Reaction and nucleation mechanisms of copper electrodeposition on disposable pencil graphite electrode*	*Electrochimica Acta*	*2009*

19-*Adsorptive stripping voltammetric analysis of fenitrothion with a ceramiccarbon composite electrode and its application for determination of fenitrothion in river water sample*	*J. AOAC Interational*	*2009*
20-*Amperometric biosensor for dopamine determination based on overoxidized polypyrrole- plant tissue composite*	*International Journal of Polymer Analysis and Characterization*	*2009*
21- *Simultaneous Spectrophotometric Determination of Benzoic acid, Sorbic acid and Ascorbic acid using a net analyte signal-based method*	*J. AOAC Interational*	*2009*
22- *Net analyte signal standard addition method for simultaneous determination of cadmium and nickel*	*Journal of the Serbian Chemical Society*	*2009*
23-*Carbon ceramic electrode incorporated with zeolite ZSM-5 for determination of piroxicam*	*Central European Journal of Chemistry*	*2009*
24- *Net analyte signal standard addition method (NASSAM) as a novel spectrofluorimetric and spectrophotometric technique for simultaneous determination, application to assay of melatonin and pyridoxine*	*Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*	*2010*
25- *Sensing L-cysteine in urine using a pencil graphite electrode modified with a copper hexacyanoferrate nanostructure*	*Microchimica Acta*	*2010*
26- *Electrochemical characteristics of a copper Hexacyanoferrate (CuHCNF) modified composite carbon electrode and its application toward sulfite oxidation*	*J. Chin. Chem. Soc*	*2010*
27- *Nanobiocomposite Modified Carbon-Ceramic Electrode Based on Nano TiO2- Plant Tissue and Its Application For Electrocatalytic Oxidation of Dopamine*	*Electroanalysis*	*2010*
28- *Simultaneous polarographic determination of isoniazid and rifampicin by differential pulse polarography method and support vector regression*	*Electrochimica Acta*	*2010*
29- *Simultaneous determination of antazoline and naphazoline by net analyte signal standard addition method (NASSAM) and spectrophotometric technique*	*J. AOAC Interational*	*2010*
30-*Multivariate curve resolution of voltammetric data for Ni-tartarate complexation system with both labile and inert behaviour*	*Analytical Methods*	*2010*
31- *Fabrication of Nanostructured Copper Thin Films at Disposable Pencil Graphite Electrode and its Application to Elecrocatalytic Reduction of Nitrate*	*International Journal of Electrochemical Science*	*2011*
32- *Spectroscopic studies on the interaction of quercetin–Tb(III) complex with calf thymus DNA*	*DNA and Cell Biology*	*2011*
33-*Determination of Imidacloprid in Tomato Grown in Greenhouse based on Copper (II) Phthalocyanine Modified Carbon Ceramic Electrode by Differential Pulse Voltammetry*	*J. Chin. Chem. Soc*	*2011*
34-*Electrocatalytic oxidation and determination of ceftriaxone sodium antibiotic in pharmaceutical samples on a copper hexacyanoferrate nanostructure*	*Analytical Methods*	*2011*
35-*Application of net analyte signal standard addition method (NASSAM) for simultaneous determination of lead and tin by differential pulse polarography*	*J. Chin. Chem. Soc*	*2011*
36-*Bismuth modified disposable pencil-lead electrode for simultaneous determination of 2-nitrophenol and 4-nitrophenol by net analyte signal standard addition method*	*Electroanalysis*	*2011*

***37**-Simultaneous polarographic determination of 2-nitrophenol and 4-nitrophenol by differential pulse polarography method and support vector regression*	*Environmental Monitoring and Assessment*	*2012*
***38**-Resolving of Voltammetric Data for the Ni-Glycine and Cu-Glycine Complexation Systems with Reversible and Irreversible Electrochemical Response Using MCR-ALS*	*Journal of Solution Chemistry*	*2012*
***39**-Comparison of different 2D and 3D-QSAR methods on activity prediction of histamine H3 receptor antagonists*	*Iranian Journal of Pharmaceutical Research*	*2012*
***40**-Quantitative Structure-activity Relationships of Imidazole-containing Farnesyltransferase Inhibitors Using Different Chemometric Methods*	*Medicinal Chemistry*	*2013*
***41**- Electrocatalytic reduction of metronidazole on bismuth modified pencil-lead electrode*	*J. Chin. Chem. Soc*	*2013*
***42**-Solubility and dissolution rate of a carbamazepine–cinnamic acid cocrystal*	*Journal of Molecular Liquids*	*2013*
***43**-QSBR study of bitter taste of peptides: Application of GA-PLS in combination with MLR, SVM, and ANN approaches*	*BioMed Research International*	*2013*
***44**-Generalized net analyte signal standard addition as a novel method for simultaneous determination: Application in determination of some pesticides with spectrophotometric technique*	*J. AOAC Interational*	*2014*
45-Simultaneous standard addition method for novel determination of components in a single step: application in analysis of Sunset yellow and Carmoisine by a spectrophotometric technique	*Analytical Methods*	*2014*
***46**-BACTERIAL DEGRADATION OF PARA-AMINO ACETANILIDE BY MARINOBACTER SP. TBZ23, ISOLATED FROM URMIA LAKE IN IRAN*	*Trends in Life Sciences*	*2014*
***47**-Electrochemical Modification of Glassy Carbon Electrode by Bismuth-chitosan Nanosheets for Electrocatalytic Reduction and Determination of Tartrazine*	*Portugaliae Electrochimica Acta*	*2014*
***48**-Electrochemical synthesis of nickel–iron layered double hydroxide: Application as a novel modified electrode in electrocatalytic reduction of metronidazole*	*Materials Science and Engineering: C*	*2014*
***49**-Preparation of Electrospun Fibers of Polyethylene Glycol Monomethyl Ether-Co-Polyaniline Blended with Polycaprolactone: Effect of Low Molecular Weight Copolymer on Obtained Fibers*	*Polymer-Plastics Technology and Engineering*	*2014*
***50**-Analysis of variation matrix array by bilinear least squares–residual bilinearization (BLLS–RBL) for resolving and quantifying of foodstuff dyes in a candy sample*	*Spectrochimica Acta Part*	*2014*

***51**-Bismuth and Bismuth-Chitosan modified electrodes for determination of two synthetic food colorants by net analyte signal standard addition method*	*Central European Journal of Chemistry*	*2014*
***52**-Determination of 2-Nitrophenol by Electrochemical Synthesized Mg/Fe Layered Double Hydroxide Sensor*	*Int. J. Electrochem. Sci*	*2014*
***53**-Fe (III) reduction by Halomonas sp. TBZ9 and Maribobacter sp. TBZ23, isolated from Urmia Lake in Iran*	*Advances in Environmental Biology*	*2014*
***54**-Second-order advantage in determining Co (II) in real samples using kinetic-spectrophotometric data matrices and multivariate curve resolution-alternating least square approach*	*Journal of the Iranian Chemical Society*	*2015*
***55**-Electroactive Nanofibers of Poly (2-hydroxyethyl methacrylate-graft-aniline) Copolymers and Their Blends with Polycaprolactone*	*Polymer-Plastics Technology and Engineering*	*2015*
***56**-Experimental Design for the Optimization of the Synthesis Conditions of Zn-Al-Layered Double Hydroxides Nanoparticles Based on X-ray Diffraction Data*	*Molecular Crystals and Liquid Crystals*	*2015*
***57**-Simultaneous kinetic spectrophotometric determination of Sn (II) and Co (II) by the calculation of the variation of ratio kinetic profiles*	*Journal of Analytical Chemistry*	*2015*
***58**-Preparation and characterization of cetirizine intercalated layered double hydroxide and chitosan nanocomposites*	*Journal of the Taiwan Institute of Chemical Engineers*	*2015*
***59**-Electrochemical Determination of Bromate in Different Types of Flour and Bread by a Sensitive Amperometric Sensor Based on Palladium Nanoparticles/Graphene Oxide Nanosheets*	*Food Analytical Methods*	*2015*
***60**-Simultaneous Spectrophotometric Determination of Sunset Yellow and Quinoline Yellow in a Single Step*	*Journal of the Chinese Chemical Society*	*2015*
***61**-Biodegradation of Para Amino Acetanilide by Halomonas sp. TBZ3*	*Jundishapur journal of microbiology*	*2015*
***62**-Synthesis of dendritic silver nanostructures supported by graphene nanosheets and its application for highly sensitive detection of diazepam*	*Materials Science and Engineering: C*	*2015*
***63**-Electrochemical synthesis of Fe/Al-layered double hydroxide on a glassy carbon electrode: application for electrocatalytic reduction of isoniazid*	*Journal of the Iranian Chemical Society*	*2016*

64-*Co-solubilization of lamotrigine by complexation and micellization in binary solvent mixtures*	*Chemical Engineering Research and Design*	*2016*
65-*QSAR and docking studies on the (5-nitroheteroaryl-1, 3, 4-thiadiazole-2-yl) piperazinyl analogs with antileishmanial activity*	*Journal of Chemometrics*	*2016*
66-*Second order advantage obtained by spectroelectrochemistry along with novel carbon nanotube modified mesh electrode: Application for determination of acetaminophen in Novafen samples*	*Spectrochimica Acta Part A*	*2016*
67-*Evaluation of physicochemical properties and in vivo efficiency of atorvastatin calcium/ezetimibe solid dispersions*	*European Journal of Pharmaceutical Sciences*	*2016*
67-*A Simple and Cheap Method for Microchip Capillary Electrophoresis Construction*	*Sensor Letters*	*2016*
68-*Simultaneous spectrophotometric determination of Rifampicin, Isoniazid and Pyrazinamide in a single step*	*Iranian Journal of Pharmaceutical Research*	*2016*
69-*A novel and facile synthesis of TGA-capped CdSe@ Ag 2 Se core-shell quantum dots as a new substrate for high sensitive and selective methyldopa sensor*	*Sensors and Actuators B: Chemical*	*2016*
70- *Application of Multivariate Calibration Methods, in Dissolution Testing and Simultaneous Determination of Atorvastatin and Ezetimibe in Their Combined Solid Dosage Form*	*Pharmaceutical Sciences*	*2016*
71- *Electrocatalytic Determination of Isoniazid by a Glassy Carbon Electrode Modified with Poly (Eriochrome Black T)*	*Analytical and Bioanalytical Chemistry Research*	*2017*
72- *Novel electrochemical biosensor based on PVP capped CoFe 2 O 4@ CdSe core-shell nanoparticles modified electrode for ultra-trace level determination of rifampicin by square wave adsorptive stripping voltammetry*	*Biosensors and Bioelectronic*	*2017*
73- *Nanostructured Hexacyanoferrate Intercalated Ni/Al Layered Double Hydroxide Modified Electrode as a Sensitive Electrochemical Sensor for Paracetamol Determination*	*Electroanalysis*	*2017*
74-*A novel voltammetric sensor for mercury(II) based onmercaptocarboxylic acid intercalated layered double hydroxidenanoparticles modified electrode*	*Sensors and Actuators B: Chemical*	*2017*
75-*Non-enzymatic hydrogen peroxide sensor based on graphene quantum dots-chitosan/methylene blue hybrid nanostructures*	*Electrochimica Acta*	*2017*

76-*Electrochemical synthesis of nickel–cobalt oxide nanoparticles on the glassy carbon electrode and its application for the voltammetric determination of 4-nitrophenol*	*Journal of the Iranian Chemical Society*	*2017*
77- *Layered double hydroxide decorated with Ag nanodendrites as enhanced sensing platform for voltammetric determination of pyrazinamide*	*New Journal of Chemistry*	*2018*
78-*Zn–Fe-layered double hydroxide intercalated with vanadate and molybdate anions for electrocatalytic water oxidation*	*New Journal of Chemistry*	*2018*
79-*Ultrasensitive determination of receptor tyrosine kinase with a label-free electrochemical immunosensor using graphene quantum dots-modified screen-printed electrodes*	*Analytica Chimica Acta*	*2018*
80- *Amperometric sensor based on carbon dots decorated self-assembled 3D flower-like β-Ni(OH)2 nanosheet arrays for the determination of nitrite*	*Electrochimica Acta*	*2018*
81-*Liquid Crystalline Nanomaterials Extracted from Egg Yolk: Encapsulation and Characterization of Their Electro-Optical Activity as Potential Materials for Flexible LCD Displays*	*Journal of Electronic Materials*	*2018*
82-*Layered double hydroxide nanoparticles embedded in a biopolymer: a novel platform for electroanalytical determination of diazepam*	*New Journal of Chemistry*	*2019*
83*-Development of a green dispersive liquid-liquid microextraction method using a home-made tablet disperser for extraction and preconcentration of Co(II) and Ni(II) from high volume aqueous samples*	*Applied Chemistry*	*2019*
84*-Application of Glassy Carbon Electrode Modified with Gold-Copper Nanoparticles as Novel Electrochemical Sensor for Determination of Metronidazole*	*Sensors Letters*	*2019*
85-*A highly active oxygen evolution electrocatalyst: Ni-Fe-layered double hydroxide intercalated with the Molybdate and Vanadate anions*	*International Journal of Hydrogen Energy*	*2019*
86-*Facile synthesis of ZnTe/Quinhydrone nanocomposite as a promising catalyst for electro-oxidation of ethanol in alkaline medium*	*International Journal of Hydrogen Energy*	*2019*
87-*High quantum efficiency of photocatalytic water oxidation over the TiO2/MMO nanocomposite under visible-light irradiation*	*Journal of Molecular Liquids*	*2019*
88*-Preparation of GCE modified with ZnO@CoFe2O4 magnetic nanoparticles and its application in electrocatalytic determination of Acetaminophen*	*Micro & Nano Letters*	*2019*

89-Preparation of porous Cu metal organic framework/ZnTe nanorods/Au nanoparticles hybrid platform for nonenzymatic determination of catechol	*Journal of Electroanalytical Chemistry*	*2020*
90-Cauliflower-like NiCo2O4−Zn/Al Layered Double Hydroxide Nanocomposite as an Efficient Electrochemical Sensing Platform for Selective Pyridoxine Detection	*Electroanalysis*	*2020*
91-Non-enzymatic monitoring of hydrogen peroxide using novel nanosensor based on CoFe 2 O 4@ CdSeQD magnetic nanocomposite and rifampicin mediator	*Analytical and bioanalytical chemistry*	*2020*
92-α-Fe2O3@ MoS2 nanostructure as an efficient electrochemical catalyst for water oxidation	*Microchemical Journal*	*2020*
93-Preparation of A Magnetic Nanosensor Based on Cobalt Ferrite Nanoparticles for The Electrochemical Determination of Methyldopa in The Presence of Uric Acid	*Combinatorial Chemistry & High Throughput Screening*	*2020*
94-Preparation of modified glassy carbon electrode with graphene / chitosan quantum dots and its application in electrocatalytic measurements of acetaminophen	*Applied Chemistry*	*2021*
95-Facile synthesis of TiO2@PANI@Au nanocomposite as an electrochemical sensor for determination of hydrazine	*Microchemical Journal*	*2021*
97-Enhanced activity for non-enzymatic glucose biosensor by facile electro-deposition of cauliflower-like NiWO4 nanostructures	*Journal of the Taiwan Institute of Chemical Engineers*	*2021*
98-A novel engineered label-free Zn-based MOF/CMC/AuNPs electrochemical genosensor for highly sensitive determination of Haemophilus Influenzae in human plasma samples	*Microchimica Acta*	*2021*
99-ZnFe2O4@ ZnFe2S4 core-shell nanosheet on Ni foam as efficient and novel electrocatalyst for oxygen generation	*International Journal of Hydrogen Energy*	*2021*
100-Preparation Cu2O/AlZn-LDH on FTO electrode substrate for enhanced water oxidation	*Inorganic Chemistry Research*	*2021*
101-A PCR-free genosensing platform for detection of Shigella dysenteriae in human plasma samples by porous and honeycomb-like biochar decorated with ultrathin flower-like MoS2 nanosheets incorporated with Au nanoparticles	*Chemosphere*	*2022*
102-Bimetallic Fe/Mn MOFs/MβCD/AuNPs stabilized on MWCNTs for developing a label-free DNA-based genosensing bio-assay applied in the determination of Salmonella typhimurium in milk samples	*Chemosphere*	*2021*

103- Enhanced electrocatalytic reduction activity of Fe-MOF/Pt nanoparticles as a sensitive sensor for ultra-trace determination of Tinidazole	*Microchemical Journal*	*2022*
104- Electrochemical Synthesis of Tungstate Bimetallic Nanoparticles with Application in Electrocatalytic Determination of Paracetamol	*ChemistrySelect*	*2022*
105- Ni3S2 nanosheets decorated on NiCo2O4 flakes-arrays directional growth of Ni foam for enhanced electrochemical hydrogen generation	*Journal of Electroanalytical Chemistry*	*2022*
106- A novel ZIF-8@ ZIF-67/Au core–shell metal organic framework nanocomposite as a highly sensitive electrochemical sensor for nitrite determination	*Electrochimica Acta*	*2022*
107-Electrochemical Sensing Platform Based on The Modified Carbon-Ceramic Electrode Using Multiwalled Carbon Nanotubes (MWCNTs) Through The Sol-Gel Process: Application in Sensitive Determination of Morin as A Common Flavonoids	*ImmunoAnalysis*	*2022*
108-Sensitive sensing platform based on NiO and NiO-Ni nanoparticles for electrochemical determination of Metronidazole	*Chemical Physics*	*2022*
109-Investigation of electrochemical synthesis temperature effect of the binary transition metals sulfide on nickel foam in water oxidation study	*Materials Chemistry and Physics*	*2022*
110-An ultrasensitive and preprocessing-free electrochemical platform for the detection of doxorubicin based on tryptophan/polyethylene glycol-cobalt ferrite nanoparticles modified electrodes	*Microchemical Journal*	*2022*
111-Fe (III) doped TiO2 nanoparticles prepared by high energy ball milling as booster for non-enzymatic, mediator-free and sensitive electrochemical sensor	*Microchemical Journal*	*2022*
112-α-MnO2/FeCo-LDH on Nickel Foam as an Efficient Electrocatalyst for Water Oxidation	*ACS omega*	*2022*
113-A deep eutectic solvent-assisted electrochemical synthesis of TGA capped CdSe@Cu2Se core-shell quantum dots on the graphene-modified electrode as a catalytic platform for the determination of pyrazinamide	*Talanta*	*2023*
114-Hydrothermal assisted ultrasonic synthesis of MgFe-LDH as a simple and eco-friendly method for electrochemical detection of vitamin B6	*Materials Today Chemistry*	*2023*
115-Self-assembled monolayer-assisted label-free electrochemical genosensor for specific point-of-care determination of Haemophilus influenzae	*Microchimica Acta*	*2023*

116-Combining the Bioelectricity Generation with Photo-Electrocatalytic Reduction of CO2 for Pollutants Degradation and Ethanol Generation	*Journal of Electroanalytical Chemistry*	*2023*
117-Ru–Ni nanoparticles electrodeposited on rGO/Ni foam as a binder-free, stable and high-performance anode catalyst for direct hydrazine fuel cell	*Heliyon*	*2023*
118-Synthesis of MoS2-QDs@ Fe3O4 nanocomposites decorated on reduced-graphene-oxide: Application in sensitive electrocatalytic determination of hydrazine	*Synthetic Metals*	*2023*
119-Enhanced electrocatalytic activity of fluorine doped tin oxide (FTO) by trimetallic spinel ZnMnFeO4/CoMnFeO4 nanoparticles as a hydrazine electrochemical sensor	*Scientific Reports*	*2023*
120-Low driving-voltage four-armed pentaerythritol and coumarin based compounds as potential materials for LCDs	*Optical Materials*	*2023*
121-Sono-photo electrocatalytic reduction of CO2 to C2+ products using a pn heterojunction Co2SnO4/CuO supported on a three-dimensional copper foam	*Journal of Electroanalytical Chemistry*	*2023*
122-An eco-friendly route for green synthesis of ZnO-CoFe2O4 nanoparticles from cardamom and ginger extract as an efficient electrochemical catalyst for water oxidation	*Characterization and Application of Nanomaterials*	*2023*
123-Cobalt oxide nanoparticles electrodeposited on glassy carbon electrode for metronidazole determination	*Results in Chemistry*	*2024*
124-Synergistic incorporation of Ag into nickel hydroxide nanostructure to enhance the electroctrocatalytic determination of nitrofurantoin	*Inorganic Chemistry Communications*	*2024*
125-Fabrication of a polishable and reusable triple electrode as a new generation of three-electrode systems for the electrochemical analysis applications through both immersion and drop casting-procedures	*Sensing and Bio-Sensing Research*	*2024*
126-Application of Co9S8@MoS2 core–shell/rGO nanocomposite as a novel electrocatalyst in preparation of sensor for the determination of metronidazole	*Journal of Applied Electrochemistry*	*2024*
127-Preparation of a fast and simple electrochemical sensor of bismuth telluride decorated on graphitic carbon nitride nanosheets for determination of epinephrine in biological samples	*Synthetic Metals*	*2024*
128-Non-invasive and probeless rapid in-vitro monitoring and quantification of HUVECs counts based on FFT impedimetery.	*BioImpacts*	*2024*

129-Teaching high school chemistry from theory to practice	*Research in Chemistry Education*	*2024*
130-Improvement of the performance of hydrazine fuel cells without immobilization of ink catalysts on the membrane: a new electrocatalyst of mixed metal oxides as cathode and nickel foam-based Ni–Co nanoparticles as anode	*Journal of Applied Electrochemistry*	*2024*
131-Polysaccharide-based sensors and nanosensors: A review of recent progress and challenges	*Microchemical Journal*	*2024*
132-Development of an efficient electrochemical sensor based on CuAl-LDH using an electrostatic repulsion approach for the selective determination of dopamine in the presence of uric acid and ascorbic acid species	*Electrochemistry Communications*	*2024*
133- Facile and innovation synthesis of Zn-Mn-Co-LDH/polypyrrole and its application in investigating ethanol oxidation in an alkaline medium	*Electrochemistry Communications*	*2024*
134-Water Oxidation through Electrocatalytic Process Using Cobalt and Nickel Complexes of Thiazole Schiff-base Ligands	*Journal of Alloys and Compounds*	*2024*
135-Electrochemical pre-treatment of graphite electrode as a green modification strategy for sensitive voltammetric determination of pyrazinamide	*Journal of Solid State Electrochemistry*	*2024*
136- High-performance direct borohydride-hydrogen peroxide fuel cell using Ni foam-supported Ni-Co nanoparticles as a noble-metal free anode electrocatalyst	*Synthetic Metals*	*2024*
137-Electrochromic windows and flexible devices based on viologen-containing hydrogel electrolytes	*Microchemical Journal*	*2024*

Research Activities:

Title of Project	Place of Work	Dates	
		From	To
1- *Mathematical representation of absolute mobility of analytes in capillary electrophoresis*	*Tabriz University of Medical Sciences*	*2005*	*2006*
2- *Modeling vasorelaxant effect of chemicals using artificial neural network*	*Tabriz University of Medical Science*	*2005*	*2006*

3- *Modelling solubility of solutes in supercritical carbon dioxide using artificial neural networks*	*Tabriz University of Medical Science*	*2004*	*2005*
4- *Modelling drug solubility in binary solvents using artificial neural networks*	*Tabriz University of Medical Science*	*2003*	*2003*
5- *Electrochemical simultaneous determination of oxidizable amino acids by using artificial neual networks*	*Research Institute for fundamental Sciences*	*2002*	*2003*
6- *Simultaneous determination of cadmium and nickel by using a new method of standard addition based on net analyte signal*	*University of Tabriz*	*2008*	*2008*
7- *Use of MCR-ALS to the determination of the stability constants of nickel-tartarate complexes*	*University of Tabriz*	*2009*	*2010*

Research Interests:

Simultaneous determination of chemical species by chemometric and electranalytical methods. Application of Chemometrics techniques in QSAR and QSPR

Papers Presented at National and International Scientific Assemblies:

Title of Paper	Title and Place of Assembly	Date
1- *Electrocatalysis of ascorbic acid on the polyaniline modified graphit electrode*	*3rd Biennial Seminar of Electrochemistr of Iran, Mazandaran University,*	*1999*
2- *Determination of ascorbic acid in pharmaceutical and fruit juice samples on the polyaniline modified rotring pencil lead (PAN-RPL) electrode*	*10th Iranian Seminar of Analytical Chemistry, Sharif University of Technology, Iran*	*2001*
3- *Genetic algorithm based potential selection in simultaneous voltammetric determination of isoniazid and hydrazine at a overoxidized polypyrrole modified glassy carbon electrode by artificial neural networks*	*10th Internationa Conference on Electroanalysis European Society for ElectroAnalytical Chemistry, National University of Ireland, Galway*	*2003*
4- *Simultaneous determination of oxidizable amino acids at an unmodified glassy carbon electrode using artificial neural networks*	*5rd Biennial Seminar of Electrochemistr of Iran, KermanUniversity, Iran*	*2003*
5- *Modeling and prediction of Anthracene solubility in mixed solvents by artificial neural networks*	*12th Iranian Seminar of Analytical Chemistry, Mazandaran University, Iran*	*2003*
6- *Modeling the electrophoretic mobility of beta-blockers ternary solvent buffers in capillary electrophoresis using artificial neural networks*	*9th Seminar of pharmaceutical Sciences, Tabriz, Itan*	*2004*

7- *A generalized artificial neural network for solubility prediction of anthracene in binary solvents*	*9th Seminar of pharmaceutical Sciences, Tabriz, Itan*	*2004*
8- *Voltammetric determination of isoniazid and hydrazine at an overoxidized polypyrrole modified glassy carbon electrode by using multivariate calibration techniques c*	*13th Iran's Seminar of Analytical Chemistry Ferdowsi University of*	*2004*
9- *Study of acid organge 7 removal from aqueous solutions by powered activated carbon and modeling of experimental results by artificial neural network*	*9th Conference on Environmental Science and Technology Rhodes island. Greece*	*2005*
10- *Amperometric determination of thiosulfate at cobalt hexacyanoferrate modified carbon ceramic electrode*	*14th Iranian Seminar of Analytical Chemistry, University of Birjand, Iran*	*2005*
11- *Surface renewable sol-gel carbon ceramic electrodes modified with a CoHCF for the amperometric detection of hydrazine*	*14th Iranian Seminar of Analytical Chemistry, University of Birjand, Iran*	*2005*
12- *Predicting the Mobility of Amino Acids in Capillary Zone Electrophoresis*	*15th Iranian Seminar of Analytical Chemistry, Chemistry Department Shiraz University*	*2007*
13- *Sol-Gel-Derived Biosensor for Determination of Dopamine*	*15th Iranian Seminar of Analytical Chemistry, Chemistry Department Shiraz University*	*2007*
14- *Electrochemical biosensor based on the inhibitory effect on polyphenol oxidase activity for the determination of Atrazine*	*7th Biennial Electrochemistry Seminar of Iran (7BESI) Urmia Univercity*	*2007*
15- *Differential Pulse Anodic Stripping Voltammetric Determination of Lead(II) with a Dimethyl glyoxime Modified Carbon-Ceramic Electrode*	*7th Biennial Electrochemistry Seminar of Iran (7BESI) Urmia Univercity*	*2007*
16- *Electrocatalytic reduction of nitrate on a pencil lead electrode modified by electrodeposited copper*	*7th Biennial Electrochemistry Seminar of Iran (7BESI) Urmia Univercity*	*2007*
17- *A sensitive voltammetric method for the determination of fenitrothion insecticide with a composite carbon ceramic electrode*	*7th Biennial Electrochemistry Seminar of Iran (7BESI) Urmia Univercity*	*2007*
18- *Simultaneous determination of Zinc and Nickel using DPP technique and multivariate calibration method free of optimum factor number selection*	*7th Biennial Electrochemistry Seminar of Iran (7BESI) Urmia Univercity*	*2007*
19- *Sol–gel derived carbon ceramic electrode modified with Xtype Zeolite for electrocatalytic oxidation of piroxicam*	*7th Biennial Electrochemistry Seminar of Iran (7BESI) Urmia Univercity*	*2007*
20- *DPP determination of Cadmium and Nickel using net analyte signal (NAS) standard addition method*	*7th Biennial Electrochemistry Seminar of Iran (7BESI) Urmia Univercity*	*2007*
21- *Use of multivariate curve resolution alternating least square in determination of stability constant of Ni2+ and Cu2+complexes with glycine by polarographic technique*	*The 6th Chemistry Conference Payame Noor University Zanjan, Abhar, Iran*	*2008*

22- *Simultaneous determination of 2-nitropheno and 4-nitrophenol by differential pulse polarography method and least-squares support vector machine*	*16th Iranian Seminar of Analytical Chemistry, BuAli-Sina University, Hamedan*	*2009*
23- *Use of Multivariate Curve Resolution Alternating Least Square in Determination of Stability Constant of Ni^{2+} and Cu^{2+} Complexes with Tartarate by Polarographic Technique*	*8th Iranian Biennial Seminar of the Electrochemistry, University of Kurdistan Sanandaj-Iran*	*2009*
24- *Electrodeposition of Copper Nanostructures on Disposable Pencil Graphite Electrode with a Novel Galvanostatic Double-Pulse Technique*	*8th Iranian Biennial Seminar of the Electrochemistry, University of Kurdistan Sanandaj-Iran*	*2009*
25-*Presentation of NAS-Standard Addition Method and its Application for Simultaneous Determination Some of Heavy Metals by DPASV*	*8th Iranian Biennial Seminar of the Electrochemistry, University of Kurdistan Sanandaj-Iran*	*2009*
26-*The Use of Chemometrics Methods in Electroanalytical Chemistry*	*2nd Iranian Biennial Seminar of Chemometrics, Chemistry Department of Urmia University*	*2009*
27-*Use of Self-Training Artificial Neural Networks in Modeling of SPME–GC–MS Relative Retention Times of the Constituents of Saffron Aroma*	*2nd Iranian Biennial Seminar of Chemometrics, Chemistry Department of Urmia University*	*2009*
28-*Quantitative Analysis of Ternary Organic Mixture by Multivariate Curve Resolution*	*2nd Iranian Biennial Seminar of Chemometrics, Chemistry Department of Urmia University*	*2009*
29-*Simultaneous Determination of 2-Nitrophenol and 4-Nitrophenol by Bismuth Modified Pencil Lead Electrode With Net Analyte Signal Standard Addition Method*	*2nd Iranian Biennial Seminar of Chemometrics, Chemistry Department of Urmia University*	*2009*
30-*Simultaneous Polarographic Determination of Antazoline and Naphazoline by Differential Pulse Polarograhy Method and Support Vector Regression*	*2nd Iranian Biennial Seminar of Chemometrics, Chemistry Department of Urmia University*	*2009*
31-*Multivariate Curve Resolution of Overlapping Polarograms to the Quantitative Analysis of Metals Mixture*	*2nd Iranian Biennial Seminar of Chemometrics, Chemistry Department of Urmia University*	*2009*
32-*Simultaneous Determination of Rifampin, Isoniazid and Pyrazinamide by Differential Pulse Polarography and Net Analyt Signal Based Methods*	*6th Annual Seminar of Electrochemistry of Iran Kish International Convention Center - Iran*	*2010*
33- *Fabrication of pencil-lead electrode modified with bismuth thin film using response surface methodology and its application in the electrocatalytic determination of metronidazole*	*17th Iranian Seminar of Analytical Chemistry, Department of Analytical Chemistry, University of Kashan, Kashan, Iran*	*2010*
34- *Amperometric sensor based on copper hexacyanoferrate nanostructure for determination of ceftriaxone sodium antibiotic in pharmaceutical samples*	*17th Iranian Seminar of Analytical Chemistry, Department of Analytical Chemistry, University of Kashan, Kashan, Iran*	*2010*

35- *Simultaneous determination of imidacloprid and acetamicloprid by net analyte signal standard addition method (NASSAM) and spectrophotometric technique*	*17th Iranian Seminar of Analytical Chemistry, Department of Analytical Chemistry, University of Kashan, Kashan, Iran*	*2010*
36- *Electrocatalytic determination of hydrazine on the surface of the activated pencil lead electrode*	*17th Iranian Seminar of Analytical Chemistry, Department of Analytical Chemistry, University of Kashan, Kashan, Iran*	*2010*
37-*Bismuth hexacyanoferrate modified disposable pencil-lead electrode for electrocatalysis and determination of ascorbic acid*	*15th Iranian Chemistry Congress, Bu.ali.Sina University, Hamedan, Iran*	*2011*
38-*Presentation of generalized net analyte signal standard addition method for simultaneouse determination of some pesticides with spectrophotometric technique*	*15th Iranian Chemistry Congress, Bu.ali.Sina University, Hamedan, Iran*	*2011*
39-*Kinetic-spectrophotometric determination of bromate in mixtures of iodate-bromate and periodate-bromate using net analyte signal standard addition method*	*15th Iranian Chemistry Congress, Bu.ali.Sina University, Hamedan, Iran*	*2011*
40- *Simultaneous determination of three antituberculosis medications with spectrophotometric technique using generalized net analyte signal standard addition method*	*3rd Iranian Biennial Seminar of Chemometrics University of Tabriz, Tabriz, Iran*	*2011*
41- *The Application of Central Composite Design to Optimize para- Amino Acetanilide Biodegradation Conditions by a Bacterial Isolate, Isolated from QuriGol Pond*	*3rd Iranian Biennial Seminar of Chemometrics University of Tabriz, Tabriz, Iran*	*2011*
42- *Optimization of para- Amino Acetanilide Biodegradation by a Bacterial Isolate, Isolated from Uremia Lake Using Central Composite Design*	*3rd Iranian Biennial Seminar of Chemometrics University of Tabriz, Tabriz, Iran*	*2011*
43- *Quantitative structure-activity relationship analyses of antileishmania activity of 5-(5-nitroheteroaryl-2-y1)-1,3,4-thiadiazole derivatives*	*3rd Iranian Biennial Seminar of Chemometrics University of Tabriz, Tabriz, Iran*	*2011*
44- *Optimization of synthesis condition of Zn-Al layered double hydroxide using central composite design*	*3rd Iranian Biennial Seminar of Chemometrics University of Tabriz, Tabriz, Iran*	*2011*
45- *Simultaneous Spectrophotometric Determination of cobalt (II) and iron (III) by Net Analyte Signal Standard Addition Method in AOT micellar media*	*3rd Iranian Biennial Seminar of Chemometrics University of Tabriz, Tabriz, Iran*	*2011*
46- *Application of net analyte signal based methods for simultaneous determination of ceftazidime and ceftriaxone by spectrophotometric technique*	*3rd Iranian Biennial Seminar of Chemometrics University of Tabriz, Tabriz, Iran*	*2011*
47- *Quantitative structure-activity relationships of imidazole-containing farnesyltransferase inhibitors using different chemometric methods*	*3rd Iranian Biennial Seminar of Chemometrics University of Tabriz, Tabriz, Iran*	*2011*
48- *Simultaneous determination of triamterene and hydrochlorothiazide in teriamterene-H tablet by net analyte signal standard addition method*	*3rd Iranian Biennial Seminar of Chemometrics University of Tabriz, Tabriz, Iran*	*2011*

49- *Simultaneous spectrophotometric determination of Co2+, Ni2+, Cu2+ and Zn2+ ions in River water samples by Principal component analysis-artificial neural networks*	*3rd Iranian Biennial Seminar of Chemometrics University of Tabriz, Tabriz, Iran*	*2011*
50- *Simultaneous determination of Cefazoline and Cefotaxim by the net analyte signal standard addition method and spectrophotometric technique*	*3rd Iranian Biennial Seminar of Chemometrics University of Tabriz, Tabriz, Iran*	*2011*
51- *Voltametric behaviour and determination of Hydrazine by using poly(Eriochrome black T) modified pencil lead electrode*	*10th Iranian Biennial Seminar of the Electrochemistry,Razi University, Kermanshah, Iran*	*2012*
52- *Determination of nitobenzene using Ni-Fe layered double hydroxide (LDH) modifiede glassy carbon electrode*	*10th Iranian Biennial Seminar of the Electrochemistry,Razi University, Kermanshah, Iran*	*2012*
53- *Voltammetric behavior and determination of isoniazid by using poly(Eriochrome black T) modified pencil lead electrode*	*10th Iranian Biennial Seminar of the Electrochemistry,Razi University, Kermanshah, Iran*	*2012*
54- *Simultaneous Determination of Vitamin B2 and C at Electrochemically Modified Pencil-Lead Electrode with Poly Eriochrome Black T by Central Composite Design (CCD) method*	*10th Iranian Biennial Seminar of the Electrochemistry,Razi University, Kermanshah, Iran*	*2012*
55- *Simultaneous determination of food dyes (sunset yellow and carmoisine) by generalized net analyte signal standard addition method (GNASSAM) and spectrophotometric Technique*	*8th Aegean Analytical Chemistry Days, İzmir Institute of Technology Department of Chemistry İzmir, Turkey*	*2012*
56-*Electrochemical preparation of Ni-Fe Layered Double Hydroxide modified GC electrode for determination of metronidazole in pharmaceuticals*	*19th Iranian Seminar of Analytical Chemistry, Ferdowsi University of Mashhad*	*2013*
57-*Study of electrochemical behavior of new complex of terpyridine derivatives by sol-gel technique: application to electrocatalytic oxidation of hydrazine*	*19th Iranian Seminar of Analytical Chemistry, Ferdowsi University of Mashhad*	*2013*
58-*Simultaneous determination of Ibuprofen, Caffeine and Paracetamol by Net Analyte Signal (NAS) based multivariate calibration methods and spectrophotometric Technique*	*19th Iranian Seminar of Analytical Chemistry, Ferdowsi University of Mashhad*	*2013*
59-*Simultaneous spectrophometric Determination of* Co^{+2}, Cu^{+2} *and* Fe^{+3} *inTriton-X 100 micellar media by Net Analyte Signal (NAS) based multivariate calibration methods*	*19th Iranian Seminar of Analytical Chemistry, Ferdowsi University of Mashhad*	*2013*
60-*Optimization of synthesis conditions of Zn-Al layered double hydroxide with chemometrics*	*19th Iranian Seminar of Analytical Chemistry, Ferdowsi University of Mashhad*	*2013*

61-*Simultaneous kinetic spectrophotometric determination of Sn(II) and Co(II) using multivariate curve resolution - alternating least-squares (MCR-ALS).*	*19th Iranian Seminar of Analytical Chemistry, Ferdowsi University of Mashhad*	*2013*
62-*Electrochemical behaviour of thin film of Iron-cobalt layered double hydroxide(Fe/Co–LDH) prepared by electrodeposition*	*20th Iranian Seminar of Analytical Chemistry, Department of Analytical Chemistry, Isfahan University of Technology*	*2014*
63-*Fabrication of Bismuth-chitosan modified glassy carbon electrode and its application in measurement of Tartrazine synthetic dye in food and drug samples*	*20th Iranian Seminar of Analytical Chemistry, Department of Analytical Chemistry, Isfahan University of Technology*	*2014*
64-*Electrochemical synthesis of Fe-Al layered double hydroxide, on glassy carbon electrode: Application for electrocatalytic reduction of isoniazid*	*20th Iranian Seminar of Analytical Chemistry, Department of Analytical Chemistry, Isfahan University of Technology*	*2014*
65-*Application of spectroelectrochemistry for determination of Uric Acid by Trilinear decomposition methods*	*20th Iranian Seminar of Analytical Chemistry, Department of Analytical Chemistry, Isfahan University of Technology*	*2014*
66-*A novel simultaneous standard addition method for spectrophotometric determination of food dyes (Sunset yellow and Quinoline yellow) in a single step*	*20th Iranian Seminar of Analytical Chemistry, Department of Analytical Chemistry, Isfahan University of Technology*	*2014*
67-*Poly-eriochrome black T modified glassy carbon electrode for the electrocatalytic determination of hydrazine*	*22th Iranian Seminar of Analytical Chemistry, Chemistry & Chemical Engineering Research Center of Iran, Tehran*	*2016*
68-*Electrocatalytic determination of isoniazid by a glassy carbon electrode modified with Poly (eriochrome black T)*	*22th Iranian Seminar of Analytical Chemistry, Chemistry & Chemical Engineering Research Center of Iran, Tehran*	*2016*
69-*Electrochemical reduction of metronidazole at glassy carbon electrode modified with gold nanoparticles*	*22th Iranian Seminar of Analytical Chemistry, Chemistry & Chemical Engineering Research Center of Iran, Tehran*	*2016*
70-*Facile synthesis of TGA-capped CdSe@Ag2Se core-shell quantum dot nanoparticles as modifier of glassy carbon electrode for methyldopa sensing inthe presence of uric acid in pharmaceutical and biological samples*	*22th Iranian Seminar of Analytical Chemistry, Chemistry & Chemical Engineering Research Center of Iran, Tehran*	*2016*
71-*A new colloidal synthesis of CdSe quantum dots/metal nanoparticles and its application in sensitive electroanalysis of rifampin*	*22th Iranian Seminar of Analytical Chemistry, Chemistry & Chemical Engineering Research Center of Iran, Tehran*	*2016*

72- *Simultaneous determination of isoniazid and hydrazine by differential pulse voltammetry method and multivariate calibration*	*1st Iranian Applied Chemistry Seminar. University of Tabriz. 22-23 August*	*2016*
73-*Electrochemical deposition of cobalt nanoparticles on the glassy carbon electrode and its application for the electrocatalytic reduction of metronidazole*	*1st Iranian Applied Chemistry Seminar. University of Tabriz. 22-23 August*	*2016*
74-*Preparation of glassy carbon electrode modified with copper nanoparticles and its application in electrocatalytic reduction of metronidazole*	*1st Iranian Applied Chemistry Seminar. University of Tabriz. 22-23 August*	*2016*
75-Layered double hydroxide nanoparticles poly (tyrosine) modified electrode for highly sensitive determination of diazepam	*24th Iranian Seminar of Analytical Chemistry*	*2017*
76-Electrochemical preparation of nanostructured ZnO modified glassy carbon electrode for electrocatalytic determination of Acetaminophen	*24th Iranian Seminar of Analytical Chemistry*	*2017*
77-A sensitive electrochemical sensor for pyridoxine based on layered double hydroxide magnetic nanoparticles hybrid modified glassy carbon electrode	*24th Iranian Seminar of Analytical Chemistry*	*2017*
78-An electrochemical sensing platform using CDs NiO nanocomposite with highly sensitive and performance in detection of nitrite	*24th Iranian Seminar of Analytical Chemistry*	*2017*
79-NANOMATERIALS-BASED AMPEROMETRIC IMMUNOPLATFORM FOR THE DETERMINATION OF BNP	*XXXVI Reunión BIENAL de la Real Sociedad Española de QUÍMICA*	*2017*
80-Electrochemical determination of pyrazinamide at silver nanodendrites supported on layered double hydroxides modified electrode	*12th Biennial Electrochemistry Seminar*	*2017*
81-Graphene quantum dot-chitosan methylene blue modified glassy carbon electrode for the non-enzymatic hydrogen peroxide sensing	*12th Biennial Electrochemistry Seminar*	*2017*
82-Preparation of glassy carbon modified electrode with cobalt ferrite nanoparticles and its application in simultaneous electrocatalytic determination of methyldopa and uric acid	*24th Iranian Seminar of Analytical Chemistry*	*2017*

83-Preparation of modified glass carbon electrode with graphene / chitosan quantum dots and its application in electrocatalytic measurements of acetaminophen	*4th Iranian Applied Chemistry Conference*	*2018*
84-Enzyme-free H2O2 detection via glassy carbon electrode modified with CoFe2O4@CdSe magnetic nanocomposite and Rifampicin nanoparticles	*Euroanalysis 2019 Conference*	*2019*
85-Electrochemically Synthesis of Tungstate Bimetallic Nanoparticles; Application to Electrocatalytic Determination of Paracetamol	*14th Biennial Electrochemistry Seminar (webinar)*	***2021***
86-Electrochemical Sensor Based on Imidazole Zeolites (ZIFs) and Gold Nanoparticles for the Determination of Nitrite	*14th Biennial Electrochemistry Seminar (webinar)*	***2021***
87-α-MnO2/FeCo LDH composite as a excellent efficient electrocatalyst for water oxidation	*21st ICS International Chemistry Congress*	***2022***
88-Electrochemical sensor based on a surface-imprinted polymer- modified electrode for rapid and sensitive detection of S. aureus	*21st ICS International Chemistry Congress*	***2022***
89-Preparation of electrochemical sensor based on 3-thiophene acetic acid molecularly imprinted polymer for detection of Streptococcus pneumoniae	*27th Iranian Seminar of Analytical Chemistry*	***2022***
90-A facile method for synthesis of Ag/Ni(OH)2 composites and its application for electrocatalytic determination of Nitrofurantoin	*21st ICS International Chemistry Congress*	***2022***
91-novel and facile synthesis of TiO2/PANI/Au NPs as a new substrate for high sensitive and selective Hydrazine sensor	*21st ICS International Chemistry Congress*	***2022***
92-New and Facile synthesis of Zn-Mn-Co LDH/PolyPyrrole Nanocomposite as an Excellent Catalyst for Electro-oxidation of Ethanol in Alkaline Medium	*27th Iranian Seminar of Analytical Chemistry*	***2022***
93-Bi2Te3 decorated on graphitic carbon nitride nanosheets as a electrochemical sensor for determination of epinephrine in biological and pharmaceutical samples	*21st ICS International Chemistry Congress*	***2022***

Referee for different journals:

1	*ACS Applied Materials & Interfaces*
2	*ACS Biomaterials Science & Engineering*
3	*ACS Omega*
4	*ACS Sustainable Chemistry & Engineering*
5	*Acta Chimica Slovenica*
6	*Analytical and Bioanalytical Chemistry Research*
7	*Analytical Chemistry Research*
8	*Analytical Chimica Acta*
9	*Analytical letters*
10	*Analytical Methods*
11	*Applied Spectroscopy*
12	*Arabian Journal of Chemistry*
13	*Arabian Journal of Chemistry*
14	*Biosensors & Bioelectronics*
15	*Central European Journal of Chemistry*
16	*Chemistry Central Journal*
17	*Chemospher*
18	*Colloids and Surfaces B: Biointerfaces*
19	*Current Pharmaceutical Analysis*
20	*Drug and Chemical Toxicology*
21	*Electroanalysis*
22	*Electrochimica Acta*
23	*European Journal of Chemistry*
24	*Food Analytical Chemistry*
25	*International Journal of Environmental Analytical Chemistry*
26	*Iranian Chemical Communication*
27	*Iranian Journal of Pharmaceutical Research*
28	*Journal of AOAC INTERNATIONAL*
29	*Journal of Chemometrics*
30	*Journal of Electroanalytical Chemistry*
31	*Journal of Environmental Sciences*
32	*Journal of Hazardous Materials*
33	*Journal of Materials Science*
34	*Journal of Solid State Electrochemistry*
35	*Journal of Solution Chemistry*
36	*Journal of the Iranian Chemical Society*
37	*Materials Science and Engineering C*
38	*Microchemical Journal*
39	*Microchimica Acta*
40	*Microchimica Acta*
41	*Microporous and Mesoporous Materials*
42	*Nano-Structures & Nano-Objects*
43	*New Journal of Chemistry*
44	*Sensors and Actuators A*
45	*Sensors and Actuators A Physical*
46	*Sensors and Actuators B Chemical*
47	*Separation and Purification Technology*
48	*Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*
49	*Synthetic Metals*
50	*Talanta*
51	*Trends in Environmental Analytical Chemistry*
52	

Awards, Honorary Degrees, Medals and Positions:

Title of Award, Medal, Position	Issuing Authority	Country	Year

Membership to Scientific Associations:

Name of Institution/Association	Position Held	Country	Year
Iran Society of Chemistry & Chemical	Member	Iran	2000

Language Proficiency:

Language	Degree of Proficiency											
	Writing				Reading				Speaking			
	Native	Good	Fair	Poor	Native	Good	Fair	Poor	Native	Good	Fair	Poor
English		*				*					*	
Farsi	*				*				*			
Azari	*				*				*			