KERMAN UNIVERSITY
OF MEDICAL SCIENCES

Curriculum Vitae

Saeid Ahmadzadeh (Ph.D.)

Associate Professor of Analytical Chemistry
Pharmaceutics Research Center, Institute of Neuropharmacology,
Kerman University of Medical Sciences

Personal Information

Surname: Ahmadzadeh
First name: Saeid
Birthdate: 9th Sep 1981
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Marital status: Married having one child
Languages: Farsi (Main), English

Contact Details

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ISID Scientometrics System: https://isid.research.ac.ir/Saeid_Ahmadzadeh

Education:

Ph.D. in Analytical Chemistry, University Putra Malaysia, Kuala Lumpur, Malaysia from December 2007 to June 2011.

M.Sc. in Analytical Chemistry, Islamic Azad University, Mashhad Branch, Iran from October 2005 to September 2007.

B.Sc. in Applied Chemistry, Ferdowsi University of Mashhad, Iran from October 1999 to January 2003.

Research Activities

Ph.D. Dissertation: Polymeric Membrane Sensors for Detection of Cesium (I), Chromium (III) and Titanium (III) Ions Based on Calixarene Ionophores. Supervised by Prof. Dr. Anuar Kassim and Prof. Dr. Lee Yook Heng.

M.Sc. Thesis: Thermodynamic Study of Complex Formation Between benzo-15-Crown-5 with Na^+ Cation in Binary Non-aqueous Solvent System Using Conductometry Method. Supervised by Prof. Dr. Gholam Hossein Rounaghi.

B.Sc. Project: Electroanalytical Study of Chlorine Alkali Process - Ravand Mashhad P.J.S. Supervised by Prof. Dr. Mohammad Hossein Arbab Zavar.

Areas of Interest

Bio-electrochemistry (Biosensors)

Nanostructured sensors (Potentiometric & Voltammetric studies)

Drug analysis (DNA/RNA interaction)

Electrochemical Cytosensor (Cell-Based Biosensors)

Molecular Dynamics & Density Functional Theory (DFT) studies

Environmental chemistry (Heavy Metals)

Wastewater treatment (Electrocoagulation, Electro-Fenton, Adsorption, and Photo-catalysis techniques)

Electrochemical engineering and technology

Ongoing Projects in Our Laboratory

"Bio-Analytical and Environmental Electrochemistry Laboratory-Pharmaceutics Research Center"

Link: http://prc.kmu.ac.ir/en/page/27027/Bio-Analytical-and-Environmental-Electrochemistry-Laboratory

- Nanostructured electrochemical sensor for determination of catecholamine drugs using $CuFe_3O_4$ nanoparticle (Supported by Iran National Science Foundation).
- Comparison of electrochemical process efficiency using titanium electrodes modified with copper and bismuth for removal of fenitrothionine, chlorothalonil and trifluoroaline pesticides from aqueous solution and biotoxicity evaluation of the effluent (Ph.D. Thesis by Maryam Dolatabadi).
- Feasibility studies of multi drug-resistant bacteria *Staphylococcus aureus, Acinetobacter baumannii, Enterococcus faecium* removal from hospital sewage in Kerman city by electro-Fenton , photoelectro-Fenton and UV/H_2O_2 processes (Ph.D. Thesis by Asieh Dokhani).
- Cell-based electrochemical cytosensor for rapid and sensitive evaluation of the anticancer effects of pharmaceutical compounds on human cells.
- Innovative electrochemical approach for rapid measurement of liposomal delivery system loading efficiency.
- Comprehensive experimental and theoretical investigations on heavy metals trace detection in biological and environmental samples using polymeric membrane sensor.
- Microplastics pollution in the aquatic environment: problems and challenges.

- Mineralization of pharmaceutical samples from hospital wastewater using electro-Fenton degradation: Optimization and identification of removal mechanism issues.
- Removal of antibiotics from hospital wastewater using electrocoagulation technique: optimization and modeling through response surface methodology
- Modeling and kinetics study of electrochemical peroxidation process for degradation of environmental contaminants; a new paradigm for groundwater treatment.
- Adsorption of antibiotic spices onto modified zeolite: Experimental investigation and modeling.
- Solvents effect on the stability and reactivity of breast anticancer drug and its nano metabolites using density functional theory.
- Thermodynamic studies of complex formation between macrocyclic ionophores and metal ions by the conductometric method.

Laboratory Skills

- Design and fabrication of bio-analytical & environmental sensors.
- Water & wastewater treatment systems apply electrocoagulation, electro-Fenton, photo-catalysis, and adsorption processes.
- Instrumental analysis (AAS, ICP, HPLC, GC, UV-Vis, SEM).
- Synthesis of nanoparticles and nanocomposites for medical and environmental applications.
- Computational studies (Molecular dynamics & Density functional theory)
- Thermodynamic studies of the complex formation using conductometric techniques.

Training and Workshops

- Instrumental analysis training (HPLC – GC – UV-Vis – FT-IR), Sharif University of Technology, SCTAE, Iran. (2014)
- Instrumental analysis training (XRD – XRF), Sharif University of Technology, SCTAE, Iran. (2013)
- Instrumental analysis training (AAS – ICP), Sharif University of Technology, SCTAE, Iran. (2013)
- Introduction to Electron Microscopy for Material Science Workshop - UPM, Malaysia (2010)
- Workshop of Nanotechnology – Scientific Representative of I.R.I.B in South-East Asia, Malaysia (2010)
- Publishing for Postgraduates – UPM, Malaysia (2009)
- Conference Presentation – UPM, Malaysia (2009)
- Cracking the Code Workshop – UPM, Malaysia (2008)
- The Viva Workshop – UPM, Malaysia (2008)

Teaching Experiences

- Analytical Chemistry/ for Pharm. D. & B.Sc.
- Principles of Instrumental Analysis/ for Ph.D., Pharm. D., M.Sc. & B.Sc.
- Analytical Toxicology/ for Ph.D.
- Identify and Measurement of Environmental Toxins/ for M.Sc. & B.Sc.
- Analysis and Evaluation of Air Contaminant/ for M.Sc. & B.Sc.
- Analytical Techniques for Trace Element Analysis/ for M.Sc. & B.Sc.
- Application of Advanced Instrumental Techniques for Analysis of Contaminants/ for M.Sc.
- Chromatography / for M.Sc.

- Chemical and Physical Methods of Separation/ for M.Sc.
- Occupational Toxicology/ for B.Sc.
- General Chemistry/ for B.Sc.
- Industrial electrochemistry/ for B.Sc.
- Environmental Chemistry/ for B.Sc.
- Research and Training / for B.Sc.
- English for Chemistry Student/ for B.Sc.

Publications

[1] Dolatabadi, M., Naidu, H., **Ahmadzadeh, S.**✉, A green approach to remove acetamiprid insecticide using pistachio shell-based modified activated carbon; economical groundwater treatment, Journal of Cleaner Production, 316 (**2021**) 128226.

[2] Dolatabadi, M., Świergosz, T., **Ahmadzadeh, S.**✉, Electro-Fenton approach in oxidative degradation of dimethyl phthalate-The treatment of aqueous leachate from landfills, Science of The Total Environment, 772 (**2021**) 145323.

[3] Dolatabadi, M., Ghaneian, M.T., Wang, C., **Ahmadzadeh, S.**✉, Electro-Fenton approach for highly efficient degradation of the herbicide 2, 4-dichlorophenoxyacetic acid from agricultural wastewater: Process optimization, kinetic and mechanism, Journal of Molecular Liquids, 334 (**2021**) 116116.

[4] **Ahmadzadeh, S.**✉, Yoosefian, M., Rezayi, M., Comprehensive experimental and theoretical investigations on chromium (III) trace detection in biological and environmental samples using polymeric membrane sensor, International Journal of Environmental Analytical Chemistry, 101 (**2021**) 1461-1476.

[5] Barjasteh-Askari, F., Davoudi, M., Dolatabadi, M., **Ahmadzadeh, S.**✉, Iron-modified activated carbon derived from agro-waste for enhanced dye removal from aqueous solutions, Heliyon, (**2021**) e07191.

[6] Dolatabadi, M., Malekahmadi, R., Ghorbanian, A., **Ahmadzadeh, S.**✉, Investigation of Electrocoagulation Process for Efficient Removal of Bisphenol A from the Aqueous Environment: Promising Treatment Strategy, Journal of Environmental Health and Sustainable Development, 6 (**2021**) 1275-1283.

[7] Dolatabadi, M., Ghorbanian, A., **Ahmadzadeh, S.**✉, Mg-Al–layered Double Hydroxide as Promising Sustainable Nanoadsorbent for Application in Water/Wastewater Treatment Processes; Diethyl Phthalate Removal, Journal of Environmental Health and Sustainable Development, 6 (**2021**) 1367-1375.

[8] Dolatabadi, M., Mehrabpour, M., Esfandyari, M., **Ahmadzadeh, S.**✉, Adsorption of tetracycline antibiotic onto modified zeolite: Experimental investigation and modeling, MethodsX, 7 **(2020)** 100885.

[9] Avazpour, S., Pardakhty, A., Nabatian, E., **Ahmadzadeh, S.**✉, Economical Approach for Determination of Kojic Acid by Nanostructured Ionic Liquid-Based Carbon Paste Sensor, BioNanoScience, 10 **(2020)** 502-511.

[10] Dolatabadi, M., **Ahmadzadeh, S.**✉, Ghaneian, M.T., Mineralization of mefenamic acid from hospital wastewater using electro-Fenton degradation: Optimization and identification of removal mechanism issues, Environmental Progress & Sustainable Energy, 39 **(2020)** e13380.

[11] Dolatabadi, M., **Ahmadzadeh, S.**✉, Microplastics Pollution in the Aquatic Environment: Problems and Challenges, Journal of Environmental Health and Sustainable Development, 5 **(2020)** 980-981.

[12] Badakhshan, S., **Ahmadzadeh, S.**✉, Mohseni-Bandpei, A., Aghasi, M., Basiri, A., Potentiometric sensor for iron (III) quantitative determination: experimental and computational approaches, BMC Chemistry, 13 **(2019)** 131.

[13] Dolatabadi, M., **Ahmadzadeh, S.**✉, A rapid and efficient removal approach for degradation of metformin in pharmaceutical wastewater using electro-Fenton process; optimization by response surface methodology, Water Science and Technology, 80 **(2019)** 685-694.

[14] **Ahmadzadeh, S.**✉, Dolatabadi, M., Modeling and kinetics study of electrochemical peroxidation process for mineralization of bisphenol A; a new paradigm for groundwater treatment, Journal of Molecular Liquids, 254 (**2018**) 76-82.

[15] Behnam, B., Rezazadehkermani, M., **Ahmadzadeh, S.**, Mokhtarzadeh, A., Nematollahi-Mahani, S. N., Pardakhty, A., Microniosomes for concurrent doxorubicin and iron oxide nanoparticles loading; preparation, characterization and cytotoxicity studies, Artificial cells, nanomedicine, and biotechnology, 46 (**2018**) 118-125.

[16] **Ahmadzadeh, S.**✉, Dolatabadi, M., In situ generation of hydroxyl radical for efficient degradation of 2,4-dichlorophenol from aqueous solutions, Environmental Monitoring and Assessment, 190 (**2018**).

[17] **Ahmadzadeh, S.**✉, Dolatabadi, M., Removal of acetaminophen from hospital wastewater using electro-Fenton process, Environmental Earth Sciences, 77, 53 (**2018**).

[18] Shadnia, S., Ebadollahi-Natanzi, A., **Ahmadzadeh, S.,** Karami-Mohajeri, S., Pourshojaei, Y., Rahimi, H.R., Delayed death following paraquat poisoning: three case reports and a literature review, Toxicology Research, 7 **(2018)** 745-753.

[19] Ahmadzadeh, S.✉, Dolatabadi, M., Electrochemical treatment of pharmaceutical wastewater through electrosynthesis of iron hydroxides for practical removal of metronidazole, Chemosphere, 212 **(2018)** 533-539.

[20] Dolatabadi, M., Ahmadzadeh, S., Phthalates as Emerging Pollutants in Water Environment: Control & Treatment Strategies, Journal of Environmental Health and Sustainable Development 3**(2018)** 554-556.

[21] Ahmadzadeh, S.✉, Dolatabadi, M., Modeling of Electro Fenton Process for Removal of Diazinon from Groundwater Using Response Surface Methodology, Journal of Environmental Health Enginering, 5 **(2018)** 99-112.

[22] **Ahmadzadeh, S.**✉, Asadipour, A., Yoosefian, M., Dolatabadi, M., Improved electrocoagulation process using chitosan for efficient removal of cefazolin antibiotic from hospital wastewater through sweep flocculation and adsorption: Kinetic and isotherm study, Desalination and Water Treatment, 92 (**2017**) 160-171.

[23] **Ahmadzadeh, S.** ✉, Asadipour, A., Pournamdari, M., Behnam, B., Rahimi, H.R., Dolatabadi, M., Removal of ciprofloxacin from hospital wastewater using electrocoagulation technique by aluminum electrode; optimization and modelling through response surface methodology, Process Safety and Environmental Protection, (**2017**).

[24] Yoosefian, M., **Ahmadzadeh, S.** ✉, Aghasi, M., Dolatabadi, M., Optimization of electrocoagulation process for efficient removal of ciprofloxacin antibiotic using iron electrode; kinetic and isotherm studies of adsorption, *Journal of Molecular Liquids*, 225 (**2017**) 544-553.

[25] **Ahmadzadeh, S.** ✉, Karimi, F., Atar, N., Sartori, E.R., Faghih-Mirzaei, E., Afsharmanesh, E., Synthesis of CdO nanoparticles using direct chemical precipitation method: Fabrication of novel voltammetric sensor for square wave voltammetry determination of chlorpromazine in pharmaceutical samples, *Inorganic and Nano-Metal Chemistry*, 47 (**2017**) 347-353.

[26] Zaghmarzi, F.A., Zahedi, M., Mola, A., Abedini, S., Arshadi, S., **Ahmadzadeh, S.**, Etminan, N., Younesi, O., Rahmanifar, E., Yoosefian, M., Fullerene-C60 and crown ether doped on C60 sensors for high sensitive detection of alkali and alkaline earth cations, *Physica E: Low-dimensional Systems and Nanostructures*, 87 (**2017**) 51-58.

[27] Yoosefian, M., Mola, A., Fooladi, E., **Ahmadzadeh, S.** ✉, The effect of solvents on formaldehyde adsorption performance on pristine and Pd doped on single-walled carbon nanotube using density functional theory, *Journal of Molecular Liquids*, 225 (**2017**) 34-41.

[28] Fouladgar, M., **Ahmadzadeh, S.**, Application of a nanostructured sensor based on NiO nanoparticles modified carbon paste electrode for determination of methyldopa in the presence of folic acid, *Applied Surface Science*, 379 **(2016)** 150-155.

[29] Pardakhty, A., **Ahmadzadeh, S.**✉, Avazpour, S., Gupta, V.K., Highly sensitive and efficient voltammetric determination of ascorbic acid in food and pharmaceutical samples from aqueous solutions based on nanostructure carbon paste electrode as a sensor, *Journal of Molecular Liquids*, 216 **(2016)** 387-391.

[30] Soltani, H., Pardakhty, A., **Ahmadzadeh, S.**✉, Determination of hydroquinone in food and pharmaceutical samples using a voltammetric based sensor employing NiO nanoparticle and ionic liquids, *Journal of Molecular Liquids*, 219 **(2016)** 63-67.

[31] Yoosefian, M., Etminan, N., **Ahmadzadeh, S.**✉**,** Solvents effect on the stability and reactivity of Tamoxifen and its nano metabolites as the breast anticancer drug, *Journal of Molecular Liquids*, 223 **(2016)** 1151–1157.

[32] Salmani, E.R., Ghorbanian, A., **Ahmadzadeh, S.**, Dolatabadi, M., Nemanifar, N., Removal of Reactive Red 141 Dye from Synthetic Wastewater by Electrocoagulation Process: Investigation of Operational Parameters, *Iranian Journal of Health, Safety and Environment*, 3 **(2016)** 403-411.

[33] **Ahmadzadeh, S.**✉**,** Rezayi, M., Faghih-Mirzaei, E., Yoosefian, M., Kassim, A., Highly Selective Detection of Titanium (III) in Industrial Waste Water Samples Using Meso-octamethylcalix [4] pyrrole-Doped PVC Membrane Ion-Selective Electrode, *Electrochimica Acta*, 178 (**2015**) 580-589.

[34] **Ahmadzadeh, S.**✉**,** Rezayi, M., Kassim, A., Aghasi, M., Cesium selective polymeric membrane sensor based on p-isopropylcalix [6] arene and its application in environmental samples, *RSC Advances*, 5 (**2015**) 39209-39217.

[35] **Ahmadzadeh, S.**✉**,** Rezayi, M., Karimi-Maleh, H., Alias, Y., Conductometric measurements of complexation study between 4-Isopropylcalix [4] arene and Cr^{3+} cation in THF-DMSO binary solvents, *Measurement*, 70 (**2015**) 214-224.

[36] Gupta, V.K., Golestani, F., **Ahmadzadeh, S.,** Karimi-Maleh, H., Fazli, G., Khosravi, S., NiO/CNTs Nanocomposite Modified Ionic Liquid Carbon Paste Electrode as a Voltammetric Sensor for Determination of Quercetin, *Int. J. Electrochem. Sci*, 10 (**2015**) 3657-3667.

[37] Rezayi, M., Karazhian, R., Abdollahi, Y., Narimani, L., Sany, S.B.T., **Ahmadzadeh, S.,** Alias, Y., Titanium (III) cation selective electrode based on synthesized tris (2pyridyl) methylamine ionophore and its application in water samples, *Scientific reports*, 4 (**2014**).

[38] Rezayi, M., Heng, L.Y., Kassim, A., **Ahmadzadeh, S.,** Abdollahi, Y., Jahangirian, H., Immobilization of Ionophore and Surface Characterization Studies of the Titanium (III) Ion in a PVC-Membrane Sensor, *Sensors*, 12 (**2012**) 8806-8814.

[39] Rezayi, M., Lee, Y., Kassim, A., **Ahmadzadeh, S.,** Abdollahi, Y., Jahangirian, H., Immobilization of tris (2 pyridyl) methylamine in PVC-membrane sensor and characterization of the membrane properties, *Chem Cent J*, 6 (**2012**) 40.

[40] Abdollahi, Y., Abdullah, A.H., Gaya, U.I., **Ahmadzadeh, S.,** Zakaria, A., Shameli, K., Zainal, Z., Jahangirian, H., Yusof, N.A., Photocatalytic degradation of 1, 4-benzoquinone in aqueous ZnO dispersions, *Journal of the Brazilian Chemical Society*, 23 (**2012**) 236-240.

[41] **Ahmadzadeh, S.**✉, Kassim, A., Rezayi, M., Abdollahi, Y., Hossein, G., A conductometric study of complexation reaction between meso-octamethylcalix [4] pyrrole with titanium cation in acetonitrile-ethanol binary mixtures, *Int. J. Electrochem. Sci*, 6 **(2011)** 4749-4759.

[42] **Ahmadzadeh, S.**✉, Kassim, A., Rezayi, M., Rounaghi, G.H., Thermodynamic Study of the Complexation of p-Isopropylcalix [6] arene with Cs^+ Cation in Dimethylsulfoxide-Acetonitrile Binary Media, *Molecules*, 16 **(2011)** 8130-8142.

[43] Rezayi, M., **Ahmadzadeh, S.**, Kassim, A., Lee, Y., Thermodynamic studies of complex formation between Co (Salen) ionophore with chromate (II) ions in AN-H_2O binary solutions by the conductometric method, *Int J Electrochem Sc,* 6 **(2011)** 6350-6359.

[44] Rezayi, M., Kassim, A., **Ahmadzadeh, S.**, Naji, A., Ahangar, H., Conductometric determination of formation constants of tris (2-pyridyl) methylamine and titanium (III) in water-acetonitryl mixture, *Int J Electrochem Sci,* 6 **(2011)** 4378-4387.

[45] Kassim, A., Rezayi, M., **Ahmadzadeh, S.**, Rounaghi, G., Mohajeri, M., Yusof, N.A., Tee, T.W., Heng, L.Y., Abdullah, A.H., A Novel ion selective polymeric membrane sensor for determining thallium (I) with high selectivity, IOP Conference Series: *Materials Science and Engineering, IOP Publishing* **(2011)** pp. 012010.

[46] Kassim, A., Rezayi, M., **Ahmadzadeh, S.**, Yusof, N.A., Novel Ti(III) membrane sensor Based on tris(2 pyridyl) methylamine and its application for the titanium(III) monitoring of standard sample solution., *in: I.P.C.O. Malaysia (Ed.)* **(2011)** Patent No: PI2011003713.

[47] Rounaghi, G., Mohajeri, M., **Ahmadzadeh, S.**, Tarahomi, S., A thermodynamic study of interaction of Na^+ cation with benzo-15-crown-5 in binary mixed non-aqueous solvents, *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, 63 **(2009)** 365-372.

[48] Kassim, A., Rezayi, M., **Ahmadzadeh, S.**, Tan, W.T., Yusof, N.A., Lee, Y.H., Fabrication of a highly selective and sensitive CrO_4^{2-} sensor based on a N, N'Bis (salicylidene) ethylenediaminocobolt (II) hydrate, *Malaysian Journal of Chemistry*, 11 **(2009)** 19-25.

Congresses & Conferences

[1] Maryam Dolatabadi, **Saeid Ahmadzadeh**✉, Removal of chromium (VI) from synthetic and leather industrial wastewater using electrocoagulation technology, *5th International and 24th National Conference on Environmental Health (INCEH), Kashan University of Medical Sciences, Kashan, Iran, 14-16 December* ***2021***.

[2] Maryam Dolatabadi, **Saeid Ahmadzadeh**✉, Removal of reactive black-5 dye from textile wastewater *using electro Fenton process, 5th International and 24th National Conference on Environmental Health (INCEH), Kashan University of Medical Sciences, Kashan, Iran, 14-16 December* ***2021***.

[3] **Saeid Ahmadzadeh**, Parsa Anjomshoa, Maryam Dolatabadi, Operational parameters effects on the removal of aspirin from pharmaceutical wastewater using electrocoagulation process, *23rd Iranian Pharmacy Students Seminar (IPSS23), Mashhad University of Medical Sciences, Mashhad, Iran, 16-19 November* ***2021***.

[4] **Saeid Ahmadzadeh**, Zeinab Nejati, Quantitative determination of phenobarbital in pharmaceutical and biological samples using voltammetric techniques, *23rd Iranian Pharmacy Students Seminar (IPSS23), Mashhad University of Medical Sciences, Mashhad, Iran, 16-19 November* ***2021***.

[5] Sara Samadi, Alieh Ameri , **Saeid Ahmadzadeh**✉, Fabrication of modified nanostructured electrochemical sensor based on carbon paste electrodes for the quantitative determination of norepinephrine using voltammetric techniques, *23rd Iranian Pharmacy Students Seminar (IPSS23), Mashhad University of Medical Sciences, Mashhad, Iran, 16-19 November* ***2021***.

[6] Farzaneh Sadeghi, Gholamreza Dehghan Nodeh, Maryam Dolatabadi, **Saeid Ahmadzadeh**✉, Ultra-high ciprofloxacin adsorption using synthesized graphene oxide/Fe-Mg layered double hydroxides nanocomposite, *23rd Iranian Pharmacy Students Seminar (IPSS23), Mashhad University of Medical Sciences, Mashhad, Iran, 16-19 November* ***2021***.

[7] Maryam Dolatabadi, **Saeid Ahmadzadeh**✉, Paper and Cardboard Wastewater Treatment using Electrocoagulation Process, *4th International and 23rd NationalConference on Environmental Health, Yazd Shahid Sadoughi University of Medical Sciences and Health Services, Yazd, Iran, 2-4 March* ***2021***.

[8] Maryam Dolatabadi, **Saeid Ahmadzadeh**✉, Evaluation of Electrocoagulation Process for Removal of Heavy Metals from Plating Industry Wastewater, *4th*

*International and 23rd National Conference on Environmental Health, Yazd Shahid Sadoughi University of Medical Sciences and Health Services, Yazd, Iran, 2-4 March **2021**.*

[9] Maryam Dolatabadi, **Saeid Ahmadzadeh**✉, Investigation of Photo Electro-Fenton Process in Phenol Removal from Industrial Wastewater, *4th International and 23rd National Conference on Environmental Health, Yazd Shahid Sadoughi University of Medical Sciences and Health Services, Yazd, Iran, 2-4 March **2021**.*

[10] **Saeid Ahmadzadeh**, Alireza Zeinadini, Maryam Dolatabadi, Advanced oxidation process for non-steroidal inflammatory drug destruction based on the Fenton reaction: Optimization through response surface methodology, *22nd Iranian Pharmacy Students Seminar (IPSS22), Zanjan University of Medical Sciences, Zanjan, Iran, 16-19 April **2019**.*

[11] **Saeid Ahmadzadeh**, Amiremad Kheirieh, Maryam Dolatabadi, Photo-electro Fenton process applied to the degradation of antibiotic from hospital wastewater: Kinetics, mechanism and toxicity assessment, *22nd Iranian Pharmacy Students Seminar (IPSS22), Zanjan University of Medical Sciences, Zanjan, Iran, 16-19 April **2019**.*

[12] Maryam Dolatabadi, Alireza Zeinadini, **Saeid Ahmadzadeh**, Degradation of pharmaceuticals and personal care using generation of reactive radical's species for treatment of hospital wastewater, *22nd Iranian Pharmacy Students Seminar (IPSS22), Zanjan University of Medical Sciences, Zanjan, Iran, 16-19 April **2019**.*

[13] Maryam Dolatabadi, Amiremad Kheirieh, **Saeid Ahmadzadeh**, Electrochemical treatment and decomposed of sulfonamide antibiotic from wastewater by the generation of hydroxyl radicals, *22nd Iranian Pharmacy Students Seminar (IPSS22), Zanjan University of Medical Sciences, Zanjan, Iran, 16-19 April **2019**.*

[14] Maryam Dolatabadi, **Saeid Ahmadzadeh**✉, Wastewater Treatment in the slaughterhouse industry using electrocoagulation process: Investigation of operational parameters and evaluation of electrical energy, *3rd International and 21st National Conference on Environmental Health, Zanjan University of Medical Sciences, Zanjan, Iran, 26-28 February **2019**.*

[15] Maryam Dolatabadi, **Saeid Ahmadzadeh**✉, Mineralization and detoxification of Paraquat from industrial wastewater using electro Fenton process: Removal rate and

degradation mechanism issues, *3rd International and 21st National Conference on Environmental Health, Zanjan University of Medical Sciences, Zanjan, Iran, 26-28 February* ***2019***.

[16] **Saeid Ahmadzadeh**✉, Motahareh Sadeghzadeh, Maryam Dolatabadi, Adsorption kinetics, isotherms, and thermodynamic studies for ibuprofen adsorption from synthetic wastewater using modified kaolin; Experimental and theoretical investigation, *2nd international congress on pharmacy updates 2019, Shahid Beheshti University of Medical Sciences and Health Services, Tehran, Iran, 6-8 February* ***2019.***

[17] **Saeid Ahmadzadeh**, Amiremad Kheirieh, Maryam Dolatabadi, Fast and complete removal of the penicillin from hospital wastewater using electrocoagulation process, *2nd international congress on pharmacy updates 2019, Shahid Beheshti University of Medical Sciences and Health Services, Tehran, Iran, 6-8 February* ***2019.***

[18] Omid Paknia, Maryam Dolatabadi, Amir Basiri, **Saeid Ahmadzadeh**✉, Novel adsorption materials based on polyamide-graphene composite for efficient removal of amoxicillin from aqueous solution; experimental and computational aspect of adsorption process, *2nd international congress on pharmacy updates 2019, Shahid Beheshti University of Medical Sciences and Health Services, Tehran, Iran, 6-8 February* ***2019.***

[19] Maryam Dolatabadi, Omid Paknia, **Saeid Ahmadzadeh**✉, Modeling of fluoxetine removal from wastewater using photo electro-Fenton process; Performance and mechanisms, *2nd international congress on pharmacy updates 2019, Shahid Beheshti University of Medical Sciences and Health Services, Tehran, Iran, 6-8 February* ***2019.***

[20] Motahareh Sadeghzadeh, Maryam Dolatabadi, Amir Basiri, **Saeid Ahmadzadeh**✉, Enhanced adsorption onto modified carbon nanotubes for removal of ranitidine from hospital wastewater: Strategies and Challenges, *2nd international congress on pharmacy updates 2019, Shahid Beheshti University of Medical Sciences and Health Services, Tehran, Iran, 6-8 February* ***2019.***

[21] Amiremad Kheirieh, Maryam Dolatabadi, **Saeid Ahmadzadeh**✉, Enhanced degradation of the antibiotic sulfamethoxazole using heterogeneous electro-Fenton, *2nd international congress on pharmacy updates 2019, Shahid Beheshti University of Medical Sciences and Health Services, Tehran, Iran, 6-8 February* ***2019.***

[22] Fatemeh Maghfory, Maryam Dolatabadi, **Saeid Ahmadzadeh**✉, Development and performance evaluation of the electro-Fenton process for degradation of ampicillin from pharmaceutical wastewater, *2nd international congress on pharmacy updates 2019, Shahid Beheshti University of Medical Sciences and Health Services, Tehran, Iran, 6-8 February* ***2019.***

[23] Maryam Dolatabadi, Fatemeh Maghfory, **Saeid Ahmadzadeh**✉, Advanced treatment of pharmaceutical wastewater using new bipolar electrocoagulation process, *2nd international congress on pharmacy updates 2019, Shahid Beheshti University of Medical Sciences and Health Services, Tehran, Iran, 6-8 February* ***2019.***

[24] Maryam Dolatabadi, Mohammad Mahdi Poustchin, Amir Basiri, **Saeid Ahmadzadeh**✉, Experimental and theoretical approach for high efficiency removal of tetracycline from hospital wastewater using ultrasonically synthesized zinc hydroxide nanoparticles, *2nd international congress on pharmacy updates 2019, Shahid Beheshti University of Medical Sciences and Health Services, Tehran, Iran, 6-8 February* ***2019.***

[25] Ebrahim Nabatian, Arezou Rashidipour, **Saeid Ahmadzadeh**✉, Electrochemical sensor for trace determination of diclofenac sodium drug in real samples and drug residues using $ZnFe_2O_4$ nanoparticles modified carbon paste electrode, *2nd international congress on pharmacy updates 2019, Shahid Beheshti University of Medical Sciences and Health Services, Tehran, Iran, 6-8 February* ***2019.***

[26] Arezou Rashidipour, Ebrahim Nabatian, Majid Rezayi, **Saeid Ahmadzadeh**✉, Development of a voltammetric sensor based on electropolymerized-molecularly imprinted polymer (MIP) for dopamine measurement, *2nd international congress on pharmacy updates 2019, Shahid Beheshti University of Medical Sciences and Health Services, Tehran, Iran, 6-8 February* ***2019.***

[27] Ebrahim Nabatian, Mohammad Mahdi Rezaei Far, Amir Basiri, **Saeid Ahmadzadeh**✉, Selective electrochemical sensing of chlorpromazine hydrochloride using carbon paste electrode modified with ionic liquid and CdO nanoparticles; experimental and theoretical approach, *2nd international congress on pharmacy updates 2019, Shahid Beheshti University of Medical Sciences and Health Services, Tehran, Iran, 6-8 February* ***2019.***

[28] Mohammad Mahdi Rezaei Far, Ebrahim Nabatian, **Saeid Ahmadzadeh**✉, Electrochemical determination of risperidone using modified carbon paste electrodes with ionic liquid and magnetic nanoparticles, *2nd international congress on pharmacy*

updates 2019, Shahid Beheshti University of Medical Sciences and Health Services, Tehran, Iran, 6-8 February ***2019.***

[29] Anna Etemadifar, Ebrahim Nabatian, amir basiri. **Saeid Ahmadzadeh**✉, Computational and experimental approach for fabrication of voltammetric modified sensor; Determination of domperidone, *2nd international congress on pharmacy updates 2019, Shahid Beheshti University of Medical Sciences and Health Services, Tehran, Iran, 6-8 February* ***2019.***

[30] Saeid Babaei, **Saeid Ahmadzadeh**✉, Maryam Dolatabadi, Innovative method for the fast removal of *Escherichia coli* from polluted water using electro-Fenton process: Modeling and investigation of the removal mechanism, *20th International Congress of Microbiology, Kerman University of Medical Sciences, Kerman, Iran, 27- 29 August* ***2019****.*

[31] Saeid Babaei, **Saeid Ahmadzadeh**✉, Maryam Dolatabadi, Photo-electro Fenton treatment process as new approach for efficient removal of microbial contamination from aqueous medium: Optimization and inactivation kinetics, *20th International Congress of Microbiology, Kerman University of Medical Sciences, Kerman, Iran, 27-29 August* ***2019****.*

[32] Asieh Dokhani, Babak Kheirkhah, **Saeid Ahmadzadeh**✉, Davood Kalantar-Neyestanaki, Maryam Dolatabadi, Inactivation of *Acinetobacter baumannii* from hospital wastewater using UV/H_2O_2 process as a new approach for oxidation: Modeling and optimization, *20th International Congress of Microbiology, Kerman University of Medical Sciences, Kerman, Iran, 27- 29 August* ***2019****.*

[33] Asieh Dokhani, Babak Kheirkhah, **Saeid Ahmadzadeh**✉, Davood Kalantar-Neyestanaki, Maryam Dolatabadi, Removal of vancomycin-resistant *Enterococcus faecium* photo electro-Fenton process: reaction mechanism and pathways, *20th International Congress of Microbiology, Kerman University of Medical Sciences, Kerman, Iran, 27- 29 August* ***2019****.*

[34] Asieh Dokhani, Babak Kheirkhah, **Saeid Ahmadzadeh**✉, Davood Kalantar-Neyestanaki, Maryam Dolatabadi, A novel electro-Fenton process for removal of methicillin-resistant *Staphylococcus aureus* from hospital wastewater, *20th International Congress of Microbiology, Kerman University of Medical Sciences, Kerman, Iran, 27- 29 August* ***2019****.*

[35] **Saeid Ahmadzadeh**✉, Shirin Gheibzadeh, Cobalt (II) selective electrode based on benzo-15-crown-5 in PVC matrix, *The 1st Applied Chemical Science and*

Technology Conference: Geochemistry and Environmental Chemistry (GECCONF2018), Graduate University of Advanced Technology, Kerman, Iran, 9-10 May **2018**.

[36] **Saeid Ahmadzadeh**✉, Aziz Allah Nezhad-Ali, Mohammad Amin Raeisi Estabragh ,Shima Peyghambari, Carrier-based nickel (II) selective electrode using 2,2´-ditho(bis)benzothiazole as a ionophore, *The 1st Applied Chemical Science and Technology Conference: Geochemistry and Environmental Chemistry (GECCONF2018), Graduate University of Advanced Technology, Kerman, Iran*, 9-10 May **2018**.

[37] **Saeid Ahmadzadeh**✉, Atefeh Rahmani, Highly selective potentiometric determination of Zn (II) ions using polymeric membrane sensor, *The 1st Applied Chemical Science and Technology Conference: Geochemistry and Environmental Chemistry (GECCONF2018), Graduate University of Advanced Technology, Kerman, Iran*, 9-10 May **2018**.

[38] **Saeid Ahmadzadeh**✉, Sara Zahedi, Lead (II) selective polymeric membrane sensors based on p-Isopropylcalix[6]arene as chelating ionophore, *The 1st Applied Chemical Science and Technology Conference: Geochemistry and Environmental Chemistry (GECCONF2018), Graduate University of Advanced Technology, Kerman, Iran*, 9-10 May **2018**.

[39] **Saeid Ahmadzadeh**, Shirin Gheibzadeh, Maryam Dolatabadi, Development and performance evaluation of photo Electro-Fenton process for treatment and mineralization of ibuprofen from hospital wastewater, *The 1st Applied Chemical Science and Technology Conference: Geochemistry and Environmental Chemistry (GECCONF2018), Graduate University of Advanced Technology, Kerman, Iran*, 9-10 May **2018**.

[40] **Saeid Ahmadzadeh**, Mohammad Amin Raeisi, Maryam Dolatabadi, Investigation of electrocoagulation and adsorption coupling process for efficient removal of cefazolin from hospital wastewater: promising removal strategy, *The 1st Applied Chemical Science and Technology Conference: Geochemistry and Environmental Chemistry (GECCONF2018), Graduate University of Advanced Technology, Kerman, Iran*, 9-10 May **2018**.

[41] Atefeh Rahmani, **Saeid Ahmadzadeh**✉, Maryam Dolatabadi, Hamid Reza Rahimi, zahra mousavi, Preparation and evaluation of a magnetite-doped activated carbon for enhanced cefotaxime antibiotic removal: equilibrium, thermodynamic, kinetics, mechanism and process design, *The 1st Applied Chemical Science and*

Technology Conference: Geochemistry and Environmental Chemistry (GECCONF2018), Graduate University of Advanced Technology, Kerman, Iran, 9-10 May **2018**.

[42] **Saeid Ahmadzadeh**, Sara Zahedi, Maryam Dolatabadi, Evaluation of Electro-Fenton processes for treatment of Metronidazole from pharmaceutical wastewater: modeling, simulation and experimental, *The 1st Applied Chemical Science and Technology Conference: Geochemistry and Environmental Chemistry (GECCONF2018), Graduate University of Advanced Technology, Kerman, Iran*, 9-10 May **2018**.

[43] Atefeh Rahmani, **Saeid Ahmadzadeh**✉, Maryam Dolatabadi, Enhanced removal of 2,4- dichlorophenol from aqueous solution using Electro Fenton process: Process optimization using response surface methodology, *5th International Conference on Applied Research in Chemistry and Chemical Engineering focusing on local technologies, The Society of Indigenous Technologies of Iran, Tehran, Iran,* 13 September **2018**.

[44] Maryam Dolatabadi, **Saeid Ahmadzadeh**✉, Atefeh Rahmani, Investigation of applicability of Electro-Fenton process for the degradation and mineralization of Bisphenol A from groundwater, *5th International Conference on Applied Research in Chemistry and Chemical Engineering focusing on local technologies, The Society of Indigenous Technologies of Iran, Tehran, Iran*, 13 September **2018**.

[45] Atefeh Rahmani, **Saeid Ahmadzadeh**✉, Maryam Dolatabadi, Removal of phthalate ester (Di-ethyl phthalate) from industrial wastewater using electrocoagulation process as a green technology, *5th International Conference on Applied Research in Chemistry and Chemical Engineering focusing on local technologies, The Society of Indigenous Technologies of Iran, Tehran, Iran,* 13 September **2018**.

[46] Arezou Rashidipour, **Saeid Ahmadzadeh**✉, Ebrahim Nabatian, Rapid and sensitive determination of trace amount of lorazepam in pharmaceutical samples using modified electrochemical sensor, *7th International Congress on Nanoscience and Nanotechnology (ICNN 2018), Research Institute of Petroleum Industry, Tehran, Iran,* 26-28 September **2018**.

[47] Ebrahim Nabatian, **Saeid Ahmadzadeh**✉, Arezou Rashidipour, Voltammetric investigation of L-tyrosine using a modified nanostructured carbon paste electrode,

7th International Congress on Nanoscience and Nanotechnology (ICNN 2018), Research Institute of Petroleum Industry, Tehran, Iran, 26-28 September **2018**.

[48] **Saeid Ahmadzadeh**✉, Arezou Rashidipour, Ebrahim Nabatian, Nanostructured electrochemical sensor for quantitative determination of naproxen, *7th International Congress on Nanoscience and Nanotechnology (ICNN 2018), Research Institute of Petroleum Industry, Tehran, Iran,* 26-28 September **2018**.

[49] Ebrahim Nabatian, Mahdi Mousavi, **Saeid Ahmadzadeh**✉, Highly sensitive and efficient voltammetric determination of resorcinol in pharmaceutical and biological samples employing nanostructured carbon paste electrode, *1st international congress on pharmacy updates 2018, Shahid Beheshti University of Medical Sciences and Health Services, Tehran, Iran, 7-9 February* ***2018.***

[50] Ebrahim Nabatian, Mahdi Mousavi, **Saeid Ahmadzadeh**✉, Fabrication of $ZnFe_2O_4$/BMITFB/carbon paste electrode for quantitative determination of propranolol as a nonselective β-adrenergic receptor in pharmaceutical samples, *1st international congress on pharmacy updates 2018, Shahid Beheshti University of Medical Sciences and Health Services, Tehran, Iran, 7-9 February* ***2018.***

[51] Fatemeh Mehrabi, Abbas Pardakhty, **Saeid Ahmadzadeh**✉, Simultaneous voltammetric determination of ascorbic acid, hydroquinone, kojic acid, and arbutin in pharmaceutical samples; A new approach for quantitative determination of liposomal formulations loading efficiency, *1st international congress on pharmacy updates 2018, Shahid Beheshti University of Medical Sciences and Health Services, Tehran, Iran, 7-9 February* ***2018.***

[52] **Saeid Ahmadzadeh**, Maryam Dolatabadi, Mahshid Mobbalegh Naseri, Arezou Azizi, The role of operating parameters for the degradation of malathion from aqueous solution using UV/H_2O_2 process; Hydroxyl radical-based advanced oxidation process, *Tabari First Annual Student Congress (SRCT1), Mazandaran University of Medical Sciences, Sari, Iran,* 7-9 March **2018.**

[53] Amiremad Kheirieh, **Saeid Ahmadzadeh**✉, Maryam Dolatabadi, UV/H_2O_2 and advanced oxidation technologies to remove Chlorpheniramine in wastewater, *21th Iranian Pharmacy Students Seminar (IPSS21), Ahvaz University of Medical Sciences, Ahvaz, Iran,* 6-9 March **2018.**

[54] **Saeid Ahmadzadeh**✉, Ebrahim Nabatian, Mohammad Mahdi Rezaei Far, Mohammadsadegh Hamzehnejadi, Nanostructured base electrochemical sensor for quantification of liposomes encapsulating levodopa for the targeting delivery against the Parkinson's disease, *21th Iranian Pharmacy Students Seminar (IPSS21), Ahvaz University of Medical Sciences, Ahvaz, Iran,* 6-9 March **2018.**

[55] Gholamreza Dehghan-Noudeh, Mehdi asdaghi, **Saeid Ahmadzadeh**✉, Maryam Dolatabadi, Kinetics, isotherms, and thermodynamic studies of ceftriaxone adsorption from hospital wastewater using chitosan, *21th Iranian Pharmacy Students Seminar (IPSS21), Ahvaz University of Medical Sciences, Ahvaz, Iran,* 6-9 March **2018.**

[56] Alireza Zeinadini, Maryam Dolatabadi, **Saeid Ahmadzadeh**✉, Improved adsorption for removal of ranitidine from hospital wastewater using magnetic activated carbon; Optimization, kinetics, and isotherm modeling, *21th Iranian Pharmacy Students Seminar (IPSS21), Ahvaz University of Medical Sciences, Ahvaz, Iran,* 6-9 March **2018.**

[57] Maryam Dolatabadi, **Saeid Ahmadzadeh**✉, Alireza Zeinadini, Innovation on removal of aniline from pharmaceutical wastewater using advanced oxidation process: Application of the experimental design methodology, *21th Iranian Pharmacy Students Seminar (IPSS21), Ahvaz University of Medical Sciences, Ahvaz, Iran,* 6-9 March **2018.**

[58] Maryam Dolatabadi, **Saeid Ahmadzadeh**✉, Fatemeh Mehrabi, Strategy for treating diclofenac from pharmaceutical wastewater using electrocoagulation processes: Role of complexation of Fe^{3+} with hydroxide group, *21th Iranian Pharmacy Students Seminar (IPSS21), Ahvaz University of Medical Sciences, Ahvaz, Iran,* 6-9 March **2018.**

[59] Sara Zahedi, Ali Asadipour, Maryam Dolatabadi, **Saeid Ahmadzadeh**✉, Degradation and mineralization of methylene blue in wastewater by Electro-Fenton process: Kinetics assessment and oxidation products, *21th Iranian Pharmacy Students Seminar (IPSS21), Ahvaz University of Medical Sciences, Ahvaz, Iran,* 6-9 March **2018.**

[60] Fatemeh Mehrabi , Abbas Pardakhti, **Saeid Ahmadzadeh**✉, Liposomal formulations loading efficiency quantification using an innovative electrochemical technique, *21th Iranian Pharmacy Students Seminar (IPSS21), Ahvaz University of Medical Sciences, Ahvaz, Iran,* 6-9 March **2018.**

[61] Ebrahim Nabatian, **Saeid Ahmadzadeh**✉, Sara Zahedi, Quantitative determination of diclofenac using voltammetric sensor, *21th Iranian Pharmacy Students Seminar (IPSS21), Ahvaz University of Medical Sciences, Ahvaz, Iran,* 6-9 March **2018.**

[62] Amiremad Kheirieh, Ebrahim Nabatian, **Saeid Ahmadzadeh**✉, Seied Javad Mortazavi, Carbon paste electrode incorporating NiO nanoparticles and ionic liquid for sensitive voltammetric determination of phenobarbital in biological samples, *21th Iranian Pharmacy Students Seminar (IPSS21), Ahvaz University of Medical Sciences, Ahvaz, Iran,* 6-9 March **2018.**

[63] **Saeid Ahmadzadeh**✉, Ebrahim Nabatian, Challenges for Quantitative Analysis of Food Samples Using Electrochemical Techniques, *The first International Congress of " Nutrition: from Laboratory Research to Clinical Studies" (NLRCS), Mashhad University of Medical Sciences, Mashhad, Iran,* 6-8 September **2017.**

[64] **Saeid Ahmadzadeh**✉, Ebrahim Nabatian, High Sensitive Electrochemical Strategy for Trace Analysis of 4-Aminophenol, *The first International Congress of " Nutrition: from Laboratory Research to Clinical Studies" (NLRCS), Mashhad University of Medical Sciences, Mashhad, Iran,* 6-8 September **2017.**

[65] **Saeid Ahmadzadeh**, Abbas Pardakhti, Ebrahim Nabatian, Evaluation of salicylic acid loading efficiency into liposomal delivery system using modified nanoparticle based electrochemical sensor, *13th Asian Societies of Cosmetic Scientists Conference (ASCSC 2017), Kerman University of Medical Sciences, Kerman, Iran,* 15-17 May **2017**.

[66] **Saeid Ahmadzadeh**✉, Abbas Pardakhti, Sanaz Avazpour, An innovative electrochemical approach for rapid measurement of liposomal delivery system loading efficiency, *13th Asian Societies of Cosmetic Scientists Conference (ASCSC 2017), Kerman University of Medical Sciences, Kerman, Iran,* 15-17 May **2017**.

[67] **Saeid Ahmadzadeh**, Abbas Pardakhti, Fatemeh Mehrabi, A new approach towards lowering the detection limit of arbutin nanostructured sensor; liposomal delivery system, *13th Asian Societies of Cosmetic Scientists Conference (ASCSC 2017), Kerman University of Medical Sciences, Kerman, Iran,* 15-17 May **2017**.

[68] **Saeid Ahmadzadeh**✉, Abbas Pardakhti, Sanaz Avazpour, New trends in evaluation of liposomal formulations loading efficiency using nanostructured electrochemical sensor, *13th Asian Societies of Cosmetic Scientists Conference*

(ASCSC 2017), Kerman University of Medical Sciences, Kerman, Iran, 15-17 May **2017**.

[69] **Saeid Ahmadzadeh**✉, Abbas Pardakhti, Ebrahim Nabatian, Renewable metronidazole nanostructured voltammetric sensor; quantitative determination of liposomal loading efficiency, *13th Asian Societies of Cosmetic Scientists Conference (ASCSC 2017), Kerman University of Medical Sciences, Kerman, Iran,* 15-17 May **2017**.

[70] **Saeid Ahmadzadeh**, Abbas Pardakhti, Ehsan Faghih-Mirzaei, Quantitative electrochemical determination of liposomal loading efficiency; challenges and progresses, *13th Asian Societies of Cosmetic Scientists Conference (ASCSC 2017), Kerman University of Medical Sciences, Kerman, Iran,* 15-17 May **2017**.

[71] **Saeid Ahmadzadeh**, Maryam Dolatabadi, Acetaminophen degradation in hospital wastewater using electro-Fenton treatment system; modeling and empirical studies, *2nd International and 20th National Conference on Environmental Health and Sustainable Development, Shahid Sadoughi University of Medical Sciences and Health Services, Yazd, Iran, 28-30 November* ***2017.***

[72] **Saeid Ahmadzadeh**, Maryam Dolatabadi, A Degradation of diazinon in groundwater using advanced oxidation process; kinetics and modeling, *2nd International and 20th National Conference on Environmental Health and Sustainable Development, Shahid Sadoughi University of Medical Sciences and Health Services, Yazd, Iran, 28-30 November* ***2017.***

[73] Azam Mahrodi, **Saeid Ahmadzadeh**✉, Majid Aghasi, Maryam Dolatabadi, Efficiency of electrocoagulation process in removal of reactive red 3GL from aqueous solution; modeling of kinetics and isotherm, *2nd International and 20th National Conference on Environmental Health and Sustainable Development, Shahid Sadoughi University of Medical Sciences and Health Services, Yazd, Iran, 28-30 November* ***2017.***

[74] **Saeid Ahmadzadeh**✉, Maryam Dolatabadi, Aida Maasumi, A new approach on the efficient removal of ciprofloxacin from pharmaceutical wastewaters using electro-fenton process: Progress and challenges, *20th iranian pharmacy students seminar(IPSS 20th), Tehran University of Medical Sciences, Tehran, Iran,* 12-14 April **2017**.

[75] **Saeid Ahmadzadeh**✉, Maryam Dolatabadi, Alireza Zeinadini, Generation of hydroxyl radicals using advanced oxidation process for dexamethasone treatment in pharmaceutical wastewater, *20th iranian pharmacy students seminar(IPSS 20th), Tehran University of Medical Sciences, Tehran, Iran,* 12-14 April **2017**.

[76] **Saeid Ahmadzadeh**✉, Abbas Pardakhti, Sanaz Avazpour, Innovative method for the fast determination of ascorbic acid amount in its liposomal formulations using modified carbon paste electrode base on NiO nanoparticles, *The second Middle East Controlled Release (MECRC 2017) and the 7th Iranian Controlled Release Conference (ICRC 2017), Kerman University of Medical Sciences, Kerman, Iran* 21-23 February, **2017**.

[77] **Saeid Ahmadzadeh**✉, Abbas Pardakhti, Sanaz Avazpour, New approach for quantitative determination of hydroquinone loading efficiency into liposomal delivery systems using nanoparticle based voltammetric sensor, *The second Middle East Controlled Release (MECRC 2017) and the 7th Iranian Controlled Release Conference (ICRC 2017), Kerman University of Medical Sciences, Kerman, Iran,* 21-23 February **2017**.

[78] **Saeid Ahmadzadeh**✉, Abbas Pardakhti, Sanaz Avazpour, Integration of nanostructured electrochemical sensor and loading efficiency evaluation of kojic acid in liposomal delivery system, *The second Middle East Controlled Release (MECRC 2017) and the 7th Iranian Controlled Release Conference (ICRC 2017), Kerman University of Medical Sciences, Kerman, Iran,* 21-23 February **2017**.

[79] Maryam Dolatabadi, **Saeid Ahmadzadeh**✉**,** Assessing the treatment of ciprofloxacin from hospital wastewater using electrocoagulation technique: batch reactor process optimization, *The 10th University Student Conference on Innovations in Health Sciences, Shahid Beheshti University of Medical Sciences and Health Services, Tehran, Iran, 10 May **2017.***

[80] **Saeid Ahmadzadeh**, Maryam Dolatabadi, Optimization of Electrocoagulation Process for Efficient Removal of Ciprofloxacin Antibiotic through Response Surface Methodology; Kinetic, Isothermal and Engineering Economy Studies, *The 1st International and 19th National Conference on Environmental Health and Sustainable Development, Tehran University of Medical Sciences, Tehran, Iran*, 22-24 October **2016.**

[81] **Saeid Ahmadzadeh**✉, Majid Aghasi, Hojjatallah Savar sofla, Fabrication of Highly Selective and Sensitive Cr (III) Sensor Using Benzo-18-crown-6- Doped PVC Membrane, *The 23rd Iranian Seminar of Analytical Chemistry, Sharif University of Technology, Tehran, Iran,* 30 Aug-1 Sep **2016**.

[82] **Saeid Ahmadzadeh** ✉, Zarrin Eshaghi, Hojjatallah Savar sofla, Maryam Ghasemi, Novel Potentiometric PVC-Membrane Sensor Based on N,N`-Bis(Salicylidene)-1,2-Cyclohexanediamine for Determination of Trace Amounts of

Iron (III) Ions, *The 23rd Iranian Seminar of Analytical Chemistry, Sharif University of Technology, Tehran, Iran,* 30 Aug-1 Sep **2016**.

[83] **Saeid Ahmadzadeh**✉, Majid Aghasi, Alireza Moridi, Maryam Dolatabadi, Mehdi Yoosefian, Electro-Fenton Process Studies for Effective Removal of Antibiotic Tetracycline from Hospital Wastewater, *3th International Conference on New Research Achievements in Chemistry & Chemical Engineering, Amirkabir University of Technology Tehran Iran,* 23September **2016.**

[84] **Saeid Ahmadzadeh**✉, Majid Aghasi, Mohammad Pourjahanshahi, Maryam Dolatabadi, Mehdi Yoosefian, Evaluation of Electrocoagulation Process for the Removal of Amoxicillin from Hospital Wastewater, *3th International Conference on New Research Achievements in Chemistry & Chemical Engineering, Amirkabir University of Technology Tehran Iran,* 23 September **2016.**

[85] **Saeid Ahmadzadeh**✉, Ebrahim Nabatian, Mehdi Yoosefian, Determination of epinephrine in biological and pharmaceutical samples using modified carbon paste electrode employing CdO nanoparticle and ionic liquid, *12th Annual Electrochemistry Seminar of Iran, University of Tarbiat Modares, Iran,* 16-17 November **2016**.

[86] **Saeid Ahmadzadeh**✉, Ebrahim Nabatian, Mehdi Yoosefian, Voltammetric determination of trace amount of norepinephrine using modified carbon paste electrode, *12th Annual Electrochemistry Seminar of Iran, University of Tarbiat Modares, Iran,* 16-17 November **2016**.

[87] **Saeid Ahmadzadeh**✉, Anoushirvan Mohseni-Bandpei, Somayeh Badakhshan, Majid Aghasi, A New Approach towards Designing and Fabricating of Iron (III) Sensor Based on Benzo-18-Crown-6 and Its Applications, *6th Conference on recent research in science and technology,* 15 September **2016**.

[88] **Saeid Ahmadzadeh**✉, Abbas Pardakhti, Sanaz Avazpour, Moein Shojai, Ascorbic acid determination in food and pharmaceutical samples using modified carbon paste electrode, *11th Annual Electrochemistry Seminar of Iran, University of Tarbiat Modares, Iran,* 18-19 November **2015**.

[89] **Saeid Ahmadzadeh**✉, Abbas Pardakhti, Sanaz Avazpour, Kojic acid determination in pharmaceutical samples using NiO nanoparticles ionic liquids carbon paste electrode, *11th Annual Electrochemistry Seminar of Iran, University of Tarbiat Modares, Iran,* 18-19 November **2015**.

[90] Abbas Pardakhti, Sanaz Avazpour, **Saeid Ahmadzadeh**✉, Hassan Karimi-Maleh, Hydroquinone analysis in liposome carrier using a voltammetric sensor, *11th Annual Electrochemistry Seminar of Iran,* 18-19 November **2015**.

[91] Razie Bavandpour, Hassan Karimi-Maleh, **Saeid Ahmadzadeh**, A $CuFe_2O_4$ nanoparticle ionic liquids carbon paste electrode as a sensor for uric acid analysis, *11th Annual Electrochemistry Seminar of Iran,* 18-19 November **2015**.

[92] Hassan Karimi-Maleh, **Saeid Ahmadzadeh**, Nima Rezanejad, A new sterategy for determination of hydroxylamine, phenol and sulfite using modifed electrode, *21th Iranian Analytical Chemistry Conference*, *Ahvaz*, *Iran,* 13-15 March **2015**.

[93] **Saeid Ahmadzadeh**✉, Hassan Karimi-Maleh, Ali Asadipour, Gholam Hossein Rounaghi, A Thermodynamic Study of Complex Formation Between 4-Isopropyl-calix[4]arene and Cr^{3+} Cation in Binary Mixed THF-DMSO Solvents, *21th Iranian Analytical Chemistry Conference*, *Ahvaz*, *Iran,* 13-15 March **2015**.

[94] **SaeidAhmadzadeh**✉, Hassan Karimi-Maleh, Gholamreza Dehghan Noudeh, Novel Ni(II) membrane sensor Based on 2,2´-Ditho (bis) benzothiazole and its application for the monitoring of trace amount of nickel (II) in industrial effluents and wastewaters, *21th Iranian Analytical Chemistry Conference*, *Ahvaz*, *Iran,* 13-15 March **2015**.

[95] **Saeid Ahmadzadeh**✉, Anuar Kassim, Majid Rezayi, Tan Wee Tee, Nor Azah Yusof, Lee Yook Heng, Cation recognition: Novel potentiometric PVC-membrane sensor based on meso-octamethylcalix[4]pyrrole for the determination of trace amounts of titanium (II) ions, *The International Conference for Nanomaterials Synthesis and Characterization (INSC), , Malaysia,* 4 –5 July **2011**.

[96] Anuar Kassim, **Saeid Ahmadzadeh**✉, Majid Rezayi, Tan Wee Tee, Nor Azah Yusof, Lee Yook Heng, Surface Morphology and coordination chemistry of 4-Isopropylcalix[4]arene as an Ionophore with Chromium (III) in fabrication of Cr^{3+} Selective Membrane sensor, *The International Conference for Nanomaterials Synthesis and Characterization (INSC), Malaysia,* 4 –5 July **2011**.

[97] Majid Rezayi, Anuar Kassim, **Saeid Ahmadzadeh**, Tan Wee Tee, Nor Azah Yusof, Lee Yook Heng, Thermodynamic Studies of Complex Formation between N,N′Bis(salicylidene) ethylenediamino cobalt(II) Ionophore with Chromate (II)

Anions in AN-H2O Binary Solutions by The Conductometric Method, *The International Conference for Nanomaterials Synthesis and Characterization (INSC), Malaysia*, 4 –5 July **2011**.

[98] **Saeid Ahmadzadeh**✉, Anuar Kassim, Majid Rezayi, Tan Wee Tee, Nor Azah Yusof, Lee Yook Heng, p-Isopropylcalix[6]arene Coordination Study with Cesium[I] Using FT-IR and UV-Vis Spectroscopy, *Regional Fundamental Science Congress (RFSC2011), Malaysia*, 5 & 6 July **2011**.

[99] Majid Rezayi, Anuar Kassim, **Saeid Ahmadzadeh**, Tan Wee Tee, Nor Azah Yusof, Lee Yook Heng, Study of Complex Formation between c-methylcalix[4] resorcinarene (CMCR) with Titanium (II) Cation in Water-acetonitrile Binary Mixed Solvents Using the Conductometric Method, *Regional Fundamental Science Congress (RFSC2011), Malaysia*, 5 & 6 July **2011**.

[100] Anuar Kassim, **Saeid Ahmadzadeh**✉, Tan Wee Tee, Nor Azah Yusof , Lee Yook Heng, Majid Rezayi, Chromium (III) Selective Membrane Electrode based on 4-Isopropylcalix[4]arene in PVC Matrix, *Fundamental Science Congress (FSC2010) "Scientific Innovations Transgress Time" , Malaysia,* 18 & 19 May **2010**.

[101] Majid Rezayi, Anuar Kassim, **Saeid Ahmadzadeh**, Tan Wee TEE, Nor Azah Yusof, Lee Yook Heng, Titanium Ion Selective Electrode based on c-methylcalix[4] resorcinarene Incorporated in a Poly(vinyl chloride)Matrix, *Fundamental Science Congress (FSC2010) "Scientific Innovations Transgress Time" , Malaysia,* 18 & 19 May **2010**.

[102] Anuar Kassim, Majid Rezayi, **Saeid Ahmadzadeh**, The Study of immobilization of N,N′ Bis(salicylidene) ethylenediaminocobalt(II) hydrat as an ionophore and surface morphology of chromate-selective membrane electrode, *Fundamental Science Congress (FSC2010) "Scientific Innovations Transgress Time", Malaysia*, 18 & 19 May **2010**.

[103] Majid Rezayi, Anuar Kassim, **Saeid Ahmadzadeh**, Tan Wee Tee, Nor Azah Yusof, Lee Yook Heng, Complex Formation Study of tris(2 pyridyl) methylamine (tpm) and Titanium(III) in Water–Acetonitryl Mixtures with conductometric method, *16 Malaysian Chemical Congress (16MCC), Malaysia*, 12 - 14 October **2010**.

[104] **Saeid Ahmadzadeh**✉, Anuar Kassim, Majid Rezayi, Tan Wee Tee, Nor Azah Yusof, Lee Yook Heng, Dzulkefly Kuang, Thermodynamic study of complex formation between Cs^{+} cation and p-Isopropylcalix[6]arene in binary mixed Dimethyl sulfoxide - Acetonitryl solvent, *16 Malaysian Chemical Congress (16MCC),Malaysia*, 12 - 14 October **2010**.

[105] Anuar Kassim, **Saeid Ahmadzadeh**✉, Majid Rezayi, Tan Wee Tee, Nor Azah Yusof, Lee Yook Heng, Md. Jelas Haron, Atan Mohd. Shariff, Novel Cesium(I) sensor based on PVC matrix by using p-Isopropylcalix[6]arene as an Ionophore, *16 Malaysian Chemical Congress (16MCC)*, 12 - 14 October **2010**.

[106] Majid Rezayi, Anuar Kassim, **Saeid Ahmadzadeh**, Tan Wee Tee, Nor Azah Yusof, Lee Yook Heng, A Novel Chrome (VI) PVC Sensor Based On Complex Ionophore for Industrial Wastes- *Invention, Research and Innovation Exhibition (PRPI) UPM , Malaysia*, 20 – 22 July **2010**.

[107] Anuar Kassim, **Saeid Ahmadzadeh**✉, Majid Rezayi, Nor Azah Yusof, Tan Wee Tee, Lee Yook Heng, Gholamhossein Rounaghi, Effect of the solvent systems on the thermodynamic constants of Complex Formation Between Benzo-15-Crown-5 with Na^+ cation, *International Advanced of Technology Congress (ATCi), PWTC,Malaysia*, November 3-5, **2009**.

[108] Anuar Kassim, Majid Rezayi, **Saeid Ahmadzadeh**, G.H. Rounaghi, M. Mohajeri, Noor Azah Yusof, Tan Wee Tee, Lee Yook Heng, Abd. Halim Abdullah, A Novel Sensor for Determining Thallium (I) With High Selectivity, *International Advanced of Technology Congress (ATCi), PWTC,Malaysia*, November 3-5, **2009**.

[109] Anuar Kassim, **Saeid Ahmadzadeh**✉, Majid Rezayi, Tan Wee Tee, Nor Azah Yusof, Lee Yook Heng, Cesium (I) Selective Potentiometric Membrane Electrode based on p-Isopropylcalix [6]arene in PVC matrix, *10TH Asian Conference on Analytical Sciences (Asianalysis X), Malaysia*, August11-13, **2009**.

[110] Anuar Kassim, Majid Rezayi, **Saeid AhmadZadeh**, Tan Wee TEE, Noor Azah Yusof, Lee Yook Heng, Anion Recognition: Fabrication of a Highly Selective and Sensitive CrO_4^{2-} PVC Sensor Based on a N,N′ Bis(salicylidene)ethylenediamino cobalt(II) hydrate, *10TH Asian Conference on Analytical Sciences, (Asianalysis X), Malaysia*, August11-13, **2009**.

[111] Anuar Kassim, **Saeid Ahmadzadeh**✉ , Tan Wee Tee, Nor Azah Yusof, Lee Yook Heng, Majid Rezayi, Fabrication of a Poly (vinyl chloride) Membrane Cesium (I) Selective Electrode based on p-Isopropylcalix[6]arene as an Ionophore, *Fundamental Science Congress (FSC2009) (Accelerating Research Excellence) , Malaysia*, 17 & 18 June, **2009**.

[112] Anuar Kassim, Majid Rezayi,Tan Wee TEE, Nor Azah Yusof, Lee Yook Heng, **Saeid Ahmadzadeh**, Highly Selective PVC-Membrane Electrode Based on N,N′ Bis(salicylidene) ethylene(II) hydrate for Determination of CrO_4^{2-}, *Fundamental Science Congress (FSC2009) (Accelerating Research Excellence) , Malaysia*, 17 & 18 June, **2009**.