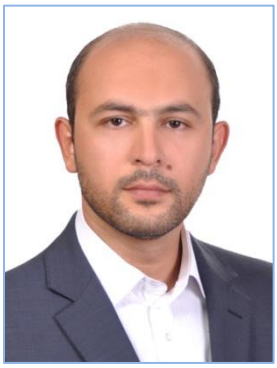
Curriculum Vitae



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
Gender: Male
Birth date: 9th Sep 1981
Birthplace: Dargaz, Khorasan Razavi, Iran
Marital status: Married having one children
Languages: Farsi (Main), English
Citizenship: Iran

Contact Details

Pharmaceutics Research Center, Faculty of Pharmacy, Kerman University of Medical Sciences, Medical Sciences Campus, Haft-Bagh Highway, Kerman, Iran. Postal Code: 7616913555 - P.O. Box: 76175-493.

Tel: (+98 34) 31325241 - Fax: (+98 34) 31325215 - Cell: (+98) 9153174404

E-mail: chem_ahmadzadeh@yahoo.com & saeid.ahmadzadeh@kmu.ac.ir

ORCID: https://orcid.org/0000-0001-8574-9448

Scopus: https://www.scopus.com/authid/detail.uri?authorId=37063025900

Researcher ID: https://publons.com/researcher/1328709/saeid-ahmadzadeh/

Researchgate: https://www.researchgate.net/lab/Assoc-Prof-Dr-Saeid-Ahmadzadeh-Lab-Saeid-Ahmadzadeh

Education:

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

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

B.Sc. in the field of 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. Lee Yook Heng and Prof. Dr. Anuar Kassim.

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.

Honors and Awards

Ph.D. Fellowship, University Putra Malaysia (2007 to 2011)

Award and Appreciation Letter for Being First Ranked Graduated Ph.D. Student, (GPA=19.46 out of 20), University Putra Malaysia (2011)

Achieving the Bronze medal of Invention, Research and Innovation Exhibition (PRPI-Malaysia 2010)

Areas of Interest

Bio-electrochemistry (Biosensors)

Nanostructured sensors (Potentiometric & Voltammetric studies)

Drug analysis (DNA/RNA interaction)

Molecular Dynamics & Density Functional Theory (DFT) studies

Environmental chemistry (Heavy Metals)

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

Ongoing Projects in our Lab

"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.
- 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 modelling 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 applying 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 complex formation using conductometric techniques.

Research Courses:

- Advanced Electroanalytical Biosensors Supervised by Prof. Dr. Lee Yook Heng. University Putra Malaysia, Kuala Lumpur. 2010.
- Advanced Environmental Potentiometric Sensors Supervised by Prof. Dr. Anuar Kassim. University Putra Malaysia, Kuala Lumpur. 2009.
- Water and Wastewater Treatment Supervised by Prof. Dr. Arbab Zavar. Ferdowsi University of Mashhad, Iran, 2005.
- Solid State and Surface Chemistry Supervised by Prof. Dr. Entezari. Ferdowsi University of Mashhad, Iran, 2004.
- Analytical Chemistry in Non-aqueous Environments Supervised by Prof. Dr. Rounaghi. Ferdowsi University of Mashhad, Iran, 2005.
- Pharmaceutical Chemistry Supervised by Prof. Dr. Bakavoli. Ferdowsi University of Mashhad, Iran, 2005.

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.
- Occupational Toxicology/ for Ph.D. & M.Sc.
- 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.
- 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., Mehrabpour, M., Esfandyari, M., **Ahmadzadeh, S.**✉, Adsorption of tetracycline antibiotic onto modified zeolite: Experimental investigation and modeling, MethodsX, 7 **(2020)** 100885.

[2] 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.

[3] 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.

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

[5] 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.

[6] **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, **(2019)** 1-16.

[7] 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.

[8] **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.

[9] 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.

[10] **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**).

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

[12] 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.

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

[14] 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.

[15] 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.

[16] **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.

[17] **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**).

[18] 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.

[19] **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.

[20] 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.

[21] 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.

[22] 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.

[23] 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.

[24] 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.

[25] 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.

[26] 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.

[27] **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.

[28] **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.

[29] **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.

[30] 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.

[31] 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**).

[32] 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.

[33] 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.

[34] 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.

[35] **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.

[36] **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.

[37] 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.

[38] 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.

[39] 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.

[40] 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.

[41] 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.

[42] 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] **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**.*

[2] **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**.*

[3] 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**.*

[4] 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**.*

[5] 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**.*

[6] 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**.*

[7] **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.***

[8] **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.***

[9] 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.***

[10] 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.***

[11] 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.***

[12] 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.***

[13] 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.***

[14] 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.***

[15] 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.***

[16] 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.***

[17] 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.***

[18] 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.***

[19] 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.***

[20] 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.***

[21] 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****.*

[22] 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**.*

[23] 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**.*

[24] 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**.*

[25] 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**.*

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