

Shokooh Sadat Khaloo

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Educational Records

B.Sc. in Applied Chemistry, 1994-1998, University of Isfahan, Isfahan, Iran (second rank).

M.Sc. in Analytical Chemistry, 1998-2001, University of Isfahan, Isfahan, Iran (first rank).

Ph.D. in Analytical Chemistry, 2001- 2006, Isfahan University of Technology, Isfahan, Iran (first rank).

- Complementary Research (scientific visiting) in Prof. Peter C. Hauser Group on Capillary Electrophoresis at The Basel University (Switzerland) from January 15th 2005 to July 15th 2005.

Teaching Experience

Graduate

Advanced Analytical Chemistry
Advanced Electroanalytical Chemistry
Analytical Spectroscopy
Pollution control strategies

Undergraduate

Analytical Chemistry I & II,
Instrumental Analysis
General Chemistry
Instrumental Analysis Lab
Analytical Chemistry Lab
Environmental Chemistry

Research Interest

- Environmental Monitoring.
- Nano-technology in water and wastewater treatment.
- Electrochemical Sensors.

Honors and Awards

2014- The distinguished Teacher of HSE faculty, award from Shahid Beheshti University of Medical Sciences.

2011-Winner of scientific award of national elite foundation

2006- The distinguished educated in PhD between all departments of Isfahan University of Technology.

2006- First rank educated from chemistry department in PhD award from Isfahan University of Technology.

2001- First rank educated from chemistry department in MS award from Isfahan University.

Publications

Shokooh Sadat Khaloo, Milad Ahmadi Marzaleh, Maryam Kavousian, and Saeed Bahramzadeh Gendeshmin "Graphene oxide coated wad as a new sorbent in fixed bed column for the removal of crystal violet from contaminated water" **Separation Science and Technology**, (2016), **51(1)**, 1-10.

Shokooh Sadat Khaloo, Shahla Mozaffari, Parisa Alimohammadi, Hadi Kargar & Joliet Ordookhanian "Sensitive and selective determination of riboflavin in food and pharmaceutical samples using manganese (III) tetraphenylporphyrin modified carbon paste electrode" **International Journal of Food Properties**, DOI: 10.1080/10942912.2015.1130054

Shokooh Sadat Khaloo, Shahla Mozaffari, Afsane Barekat, Fereshte Karimi, "Fabrication of a modified electrode based on multi-walled carbon nanotubes decorated with iron oxide nanoparticles for the determination of enrofloxacin" **Micro & Nano Letters**, (2015), **10(10)**, 561–566, DOI: 10.1049/mnl.2015.0123.

Shokooh Sadat Khaloo, Homa Zolfaghari, Reza Gholamnia "Response surface methodology for optimization of 4- nitrophenol degradation by a heterogeneous Fentonlike reaction on nano-zero-valent iron" **Desalination and Water Treatment**, (2015) **56**, 06-13. DOI: 10.1080/19443994.2014.959061 .

Shokooh Sadat Khaloo, Shokoufeh Fattahi, "Enhancing decolorization of Eriochrome Blue Black R during nano-size zero-valent iron treatment using ultrasonic irradiation" **Desalination and Water Treatment**, (2014), **52(16-18)**, 3403-3410. DOI: 10.1080/19443994.2013 .801322.

Shokooh Sadat Khaloo, Shahram Vosoughi, Reza Gholamnia, "Efficiency comparison of two types of almond shell in removal of mercury from aqueous solution" **Journal of Kermanshah University of Medical Sciences**, (2013), **17(3)** 155-63.

Khaloo Sh , Saadati Z, "Synthesis, characterization and antibacterial activity of silver nanoparticles". **Feyz, Journal of Kashan University of Medical Sciences**, (2013), **17(3)**, 261-266.

Shokooh Sadat Khaloo, Marzieh Torabbeigi, Reza Khani Jazani, Masoumeh Douraghi, Zohreh Ghalavand, " Laboratory waste minimization by recovery of silver as nano-silver colloidal dispersion from waste silver chloride" **J Mater Cycles Waste Manag** (2013) **15**, 342-347.

Amir H. Matin, **Shokooh S. Khaloo**, Abbas Kbarzade, Mohammad Irahi, " Comparison of surface functional groups and metal uptake efficiency of rice husk harvested from different climatic zones" **Water Science and Technology (2012) 65:9, 1738-1744.**

Shokooh S. Khaloo, Amir H. Matin, Sahar Sharifi , Masoumeh Fadaeinia, Shaghayegh Mirzadeh, Narges Kazempour, " Equilibrium, kinetic and thermodynamic studies of mercury adsorption on the almond shell" **Water Science and Technology (2012) 65:8 1341-49.**

Ali, A. Ensafi, **Shokooh S. Khaloo**, T. Khayamian, "Simultaneous determination of trace amounts of vanadium and molybdenum in alloys and foodstuff using adsorptive cathodic stripping voltammetry" **J. of food science and Technology (2007) 43(3), 416-422.**

S.S. Khaloo, A.A. Ensafi, T.Khayamian "Determination of bismuth and copper using adsorptive stripping voltammetry couple with continuous wavelet transform" **Talanta (2007) 71(1), 324-332.**

Ling Zhang, **Shokooh s Khaloo**, Pavel Kuban, Peter C Hauser, "Analysis of electroplating baths by capillary electrophoresis with high voltage contactless conductivity detection" **Meas. Scie. Technol, (2006) 17, 3317-3322.**

Andreas Wuersing, Pavel. Kuban, **Shokooh S. Khaloo**, Peter C. Hauser "Rapid Electrophoretic separations in short Capillaries using Contactless Conductivity Detection and a Coupling Sequential Injection Analysis manifold for hydrodynamic sample loading" **The Analyst (2006) 131, 944-949.**

A.A. Ensafi, **S.S. Khaloo** "Determination of Trace Molybdenum by catalytic adsorptive Stripping Voltammetry" **Talanta (2005) 65, 781.**

A.A. Ensafi, T. Khayamian, **S.S. Khaloo**," Application of adsorptive cathodic differential pulse stripping method for simultaneous determination of copper and molybdenum using pyrogallol red", **Analytical Chimica Acta, (2004) 505 205-212.**

S.S. Khaloo, M.K. Amini, S. Tangestaninejad and R. Kia, "Voltammetric and Potentiometric Study of Cysteine at Cobalt (II) Phthaloyanine Modified Carbon-Paste Electrode", **Journal of the Iranian Chemical Society, (2004), 1(2), 128-135.**

M. K. Amini, J. H. Khorasani, **S. S. Khaloo**, S. Tangestaninejad, "Cobalt (II) Salophen-Modified Carbon-Paste Electrode for Potentiometric and Voltammetric Determination of Cysteine", **Analytical Biochemistry", (2003), 320, 32-38.**

Conference Presentations

- Hydrothermal synthesis of magnetic MnFe_2O_4 - graphene oxide composite and application for removal of methylene blue and toluidine blue from aqueous solution, **International Conference on Nanotechnology, Paris - France 2016 July 1-3.**
- *The Development of sensitive end selective riboflavin sensor based on a carbon paste electrode modified with multi wall carbon nanotube decorated with Fe_3O_4 nano particles.* **4th Symposium on sensor sciences 13-15 July 2015, Basel Switzerland.**
- *Simultaneous determination of trace amounts of vanadium and molybdenum in alloys and foodstuff using adsorptive cathodic stripping voltammetry.* **INTERACT 2006 air, Water & earth, 24-28 September 2006, Western Australia.**
- *Application of Continuous Wavelet Transform for Resolving and Quantifying The Overlapped Voltammetric Signal.* **11th Asian Chemical Congress 24-26 August, 2005 Seoul, Korea**
- *"Sensitive Determination of Molybdenum by Catalytic Adsorptive Stripping Voltammetry"* **The Seventh Asian Conference on Analytical Sciences, Hong Kong, Baptist University, July. 28-31, 2004**
- *"Application of Adsorptive Cathodic Differential Pulse Stripping Method for Simultaneous Determination of Copper and Molybdenum using Pyrogallol red",* **2nd National Seminar of chemistry and Environment, University of Isfahan, 27- 29 Jan 2004.**
- *Determination of Cysteine Using Carbon Paste Electrodes Modified With Cobalt Salophen and Cobalt Phthalocyanine,* **Tenth Iranian Seminar of Analytical Chemistry, Department of Chemistry, Sharif University of Technology, February 2001**

Experinece

- Assistant Professor, Faculty of Health; Safety and Environment, Shahid Beheshti University of Medical Sciences 2008-2014.
- Associate Professor Faculty of Health; Safety and Environment, Shahid Beheshti University of Medical Sciences 2014.