CV

Abdolmotaleb Seidmohammadi

- Ph.D in Environmental Health Engineering
- Department of Environmental Health Engineering,
- School of Health, Hamadan University of Medical
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Education:

- PhD of Environmental Health Engineering, Isfahan University of Medical Sciences, Isfahan, Iran (2005 – 2009).
- MSc of Environmental Health Engineering, School of Public Health, Tehran University of Medical Sciences, Tehran, Iran (2001 – 2003).
- BSc of Environment Health Engineering, Shahid Beheshti University of Medical Sciences, Tehran, Iran (1997 – 1999).

Experiences

Research Experience

- Heterogeneous catalytic ozonation
- Advanced oxidation process (AOP)
- Biological of water treatment
- Toxicity evaluation of waste wastewater
- Municipal and industrial wastewater treatment

- Heavy metals pollution of soil, irrigation water and agricultural crops (vegetables)

Teaching Experience

- Microbial water and wastewater
- Principles of wastewater treatment
- Industrial wastewater treatment
- Wastewater collection systems
- Water safety plan

Research Interest

- Advanced oxidation process (AOP)
- Photocatalytic processes
- Wastewater treatment
- Municipal and industrial wastewater treatment
- Biological of water treatment

Publication:

A: Books published in Persian language:

1. **Vaezi F, Seidmohammadi A**. Title: Regulations of water disinfection
2. **Seidmohammadi A**. Title: Sterilization Manual for Health Center

B: Papers published:

- Seid-Mohammadi, A., Asgari, G., Rahmani, A., Madrakeyan, T., Karami, Synthesis and application of Iron/copper bimetallic nanoparticles doped natural zeolite composite coupled with ultrasound for removal of arsenic (III) from aqueous solutions(2019) Desalination and Water Treatment, 161, pp. 343-353.
- Yari, K., Seidmohammadi, A., Khazaei, M., Bhatnagar, A., Leili, M. A comparative study for the removal of imidacloprid insecticide from water by chemical-less UVC, UVC/TiO<inf>2</inf> and UVC/ZnO processes. (2019) Journal of Environmental Health Science and Engineering, 17 (1), pp. 337-351.
- Asgari, G., Dayari, A., Ghasemi, M., Seid-mohammadi, A., Gupta, V.K., Agarwal, S. Efficient fluoride removal by preparation, characterization of pyrolysis bone: Mixed evel design experiment and Taguchi L<inf>8</inf> orthogonal array optimization (2019) Journal of Molecular Liquids, 275, pp. 251-264. Cited 4 times.
- Seid-Mohammadi, A., Asgarai, G., Ghorbanian, Z., Dargahi, A.; The removal of cephalexin antibiotic in aqueous solutions by ultrasonic waves/hydrogen peroxide/nickel

oxide nanoparticles (US/H <inf>2</inf> O <inf>2</inf> /NiO) hybrid process (2019) Separation Science and Technology (Philadelphia), Article in Press

- Seid-Mohammadi, A., Asgari, G., Rahmani, A., Madrakian, T., Karami, A.Evaluation of zeolite supported bimetallic nanoparticles of zero-valent iron and copper (Z-nZVI/Cu) in the presence of ultrasonic for simultaneous removal of nitrate and total coliforms from aqueous solutions: optimization and modeling with response surface methodology(2019) Toxin Reviews, Article in Press
- Seidmohammadi, A., Asgari, G., Dargahi, A., Leili, M., Vaziri, Y., Hayati, B., Shekarchi, A.A., Mobarakian, A., Bagheri, A., Nazari Khanghah, S.B., Keshavarzpour, A.
- A comparative study for the removal of Methylene blue dye from aqueous solution by novel activated Carbon based adsorbents. (2019) Progress in Color, Colorants and Coatings, 12 (3), pp. 133-144.
- Khodayari, Z., Seidmohammadi, A., Leili, M., Asgari, G. Performance evaluation of column packed with sucrose modified pumice in removal of metronidazole from aqueous solutions(2018) Journal of Mazandaran University of Medical Sciences, 28 (166), pp. 170-186.
- Seidmohammadi, A., Amiri, R., Faradmal, J., Lili, M., Asgari, G. UVA-LED assisted persulfate/nZVI and hydrogen peroxide/nZVI for degrading 4-chlorophenol in aqueous solutions(2018) Korean Journal of Chemical Engineering, 35 (3), pp. 694-701.
- Chavoshani, A., Amin, M.M., Asgari, G., Seidmohammadi, A., Hashemi, M. Microwave/Hydrogen Peroxide Processes(2018) Advanced Oxidation Processes for Wastewater Treatment: Emerging Green Chemical Technology, pp. 215-255.
- Effatpanah, H., Mohammadi, M.J., Safari, N., Mahmodi, A., Seid-Mohammadi, A., Bozorgomid, A., Effatpanah, M.Determine antibiotic resistance model and identify methicillin-resistant Staphylococcus aureus (MRSA) in clinical isolates(2018) Fresenius Environmental Bulletin, 27 (1), pp. 622-626.
- Asgari, G., Akbari, S., Mohammadi, A.M.S., Poormohammadi, A., Ramavandi, B.Preparation and catalytic activity of bone-char ash decorated with MgO - FeNO<inf>3</inf> for ozonation of reactive black 5 dye from aqueous solution: Taguchi optimization data(2017) Data in Brief, 13, pp. 132-136.
- Seid-Mohammadi, A., Shabanloo, A., Fazlzadeh, M., Poureshgh, Y.Degradation of acid blue 113 by US/H<inf>2</inf>O<inf>2</inf>/Fe2+ and S/S<inf>2</inf>O<inf>8</inf>2–/Fe2+ processes from aqueous solutions(2017) Desalination and Water Treatment, 78, pp. 273-280.
- Sadrnourmohamadi, M., Poormohammadi, A., Almasi, H., Asgari, G., Ahmadzadeh, A., Seid-Mohammadi, A.Removal of 2,4-dichlorophenol from aqueous solution using ultrasonic/H<inf>2</inf>O<inf>2</inf>(2017) Desalination and Water Treatment, 75, pp. 189-194.
- Mohammadi, A.S., Faradmal, J., Hoseinzadeh, E., Asgari, G.Removal of turbidity and humic acids using chitosan as a coagulant aid: Modeling with artificial neural network(2017) Environmental Engineering and Management Journal, 16 (1), pp. 31-38.
- Asgari, G., Maleki, S., Seidmohammadi, A., Faradmal, J., Leili, M.Removal of furfural from industrial wastewater using electrocoaugulation process: A taguchi experimental design(2017) Journal of Mazandaran University of Medical Sciences, 27 (147), pp. 306-321.

- Asgari, G., Shokoohi, R., Mohammadi, A.M.S., Roshanaei, G., Bagheri, M.Optimization of the catalytic ozonation process via MgO in presence of persulfate for removal of dye from real textile wastewater applying fractional factorial 3-level design(2017) Journal of Mazandaran University of Medical Sciences, 26 (145), pp. 268-282.
- Seidmohammadi, A., Asgari, G., Torabi, L.Removal of metronidazole using ozone activated persulfate from aqua solutions in presence of ultrasound(2016) Journal of Mazandaran University of Medical Sciences, 26 (143), pp. 160-173.
- Seid-Mohammadi, A., Asgari, G., Poormohammadi, A., Ahmadian, M., Rezaeivahidian, H.Removal of phenol at high concentrations using UV/Persulfate from saline wastewater(2016) Desalination and Water Treatment, 57 (42), pp. 19988-19995.
- Seid Mohammadi, A.M., Asgari, G., Poormohammadi, A., Ahmadian, M.Oxidation of phenol from synthetic wastewater by a novel advance oxidation process: Microwave-assisted periodate(2016) Journal of Scientific and Industrial Research, 75 (4), pp. 267-272.
- Zarei, A.R., Poormohammadi, A., Rezaeivahidian, H., Nejad, A.S.M., Seid-Mohammadi, A.Effect of coagulation process in presence of chitosan and psyllium plantago in removal of perchlorate at high concentrations(2016) Asian Journal of Chemistry, 28 (10), pp. 2299-2302.
- Mohammadi, A.S., Dargahi, A., Asgari, G., Mobarakian, S.A.Equilibrium and synthetic equations for index removal of methylene blue using activated carbon from Oak fruit bark(2015) Journal of Mazandaran University of Medical Sciences, 25 (121), pp. 172-187.
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- Asgari, G., Seidmohammadi, A., Chavoshani, A.Pentachlorophenol removal from aqueous solutions by microwave/persulfate and microwave/H2O2: A comparative kinetic study (2014) Journal of Environmental Health Science and Engineering, 12 (1), art. no. 94, .
- Seid-Mohammadi, A., Roshanaei, G., Asgari, G.Heavy metals concentration in vegetables irrigated with contaminated and fresh water and estimation of their daily intakes in Suburb areas of Hamadan, Iran(2014) Journal of Research in Health Sciences, 14 (1), pp. 70-75. Cited 3 times.
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