

CURRICULUM VITAE

Name: Hooshyar Hossini



Place of Birth: Kermanshah, Iran

Date of Birth: July 11th 1984.

Gender: Male

Marital Status: Married

Address: Department of Environmental Health Engineering, Faculty of Health, Kermanshah University of Medical Sciences, Kermanshah, Iran

Email:

h.hosseini@kums.ac.ir

hoo.hosseini@gmail.com

H-INDEX 10 SCOPUS

Publication list:

1. Hatam Godini, Abbas Rezaee, Ali Khavanin, Afshin Nili Ahmadabadi, Sayedomid Rastegar, **Hooshyar Hossini**: *Heterotrophic Biological Denitrification Using Microbial Cellulose as Carbon Source*, J Polym Environ (2011) 19:283–287.
2. Abbas Rezaee, **Hooshyar Hossini**, Hossein Masoumbeigi, Reza Darvish-Cheshmasoltani, Seyed Omid Rastegar, *Simultaneous removal of hexavalent chromium and nitrate from wastewater using electrocoagulation method*. International Journal of Environmental Science and Development (IJESD), 2 (2011) 294-298
3. Abbas Rezaee, **Hooshyar Hossini**, Denitrification of high salinity, high nitrate wastewater using clinoptilolite in a packed bed bioreactor- E3 Journal of Environmental Research and Management. 3(2) (2012) 31-36.
4. R. Nabizadeh, A. Jalilzadeh, A. Mesdaghinia, S. Nasseri, A. H. Mahvi, K. Naddafi, **H. Hossini** and H. Azimi, Biological Behavior of Anammox Process For Municipal Wastewater Treatment: Effect of Ammonia Removal and Other Parameters, Pak. J. Chem. 2(3):1-6, 2012
5. R. Khosravi, M Fazlzadehdavil, B Barikbin, **H. Hossini**, *Electro-decolorization of Reactive Red 198 from aqueous solutions using aluminum electrodes systems: modeling and optimization of operating parameters*, Desalination and Water Treatment, 1-9.
6. **H. Hossini**, A Rezaee, H Masoumbeigi, *Optimization of Chromium reduction and Sludge production by bipolar Electrocoagulation using Response Surface Methodology*, Journal of Health Policy and Sustainable Health 1 (1).

7. **H Hossini**, A Rezaee, S Rastegar, *Statistical screening of hexavalent chromium biosorption by Sargassum*, Iranian Journal of Health, Safety and Environment 1 (1), 36-42.
8. A Rezaee, N Naimi, SE Hashemi, **H Hosseini**, RDC Soltani, *Molecular identification of nitrifying bacteria in activated sludge*, Journal of Materials and Environmental Science. 05/2013; 4(5):601-604.
9. **Hooshyar Hossini**, Abbas Rezaee , Seyed Omid Rastegar, Seyedehnayat Hashemi, Mahdi Safari, *Equilibrium and kinetic studies of chromium adsorption from wastewater by functionalized multi-wall carbon nanotube*, Reaction Kinetics, Mechanisms and Catalysis, 1-12.
10. Reza Barati Roshvanlo, Abass Rezaee, **Hooshyar Hossini**, ,Mohamad Shiri, *Ammonium removal by nitrification and denitrification in an integrated fixed film activated sludge (IFAS) process*, Health Scope. 05/2014.
11. **Hooshyar Hossini**, Abbas Rezaee, *Optimization of Nitrate Reduction by Electrocoagulation Using Response Surface Methodology*, Health Scope. 08/2014; 3(3):e17795.
12. **Hooshyar Hossini**, Abbas Rezaee, Gholamreza Mohamadian, *Hexavalent chromium removal from aqueous solution using functionalized multi-walled carbon nanotube (f-MWCNTs): optimization of parameters by Response Surface Methodology (RSM)* , Health Scope. 07/2014.
13. Rezaee, Abbas, Mahdi Safari, and **Hooshyar Hossini**. "Bioelectrochemical denitrification using carbon felt/multi wall carbon nanotube." Environmental technology (2014): 1-18.
14. Saeed Parastar and **Hooshyar Hossini**, *Assessment of National Sanitation Foundation Water Quality Index and Other Quality Characterization of Mamloo Dam and Supporting Streams*, International Journal of Environmental Health Engineering 2015;4:44.
15. Reza Barati Roshvanlo, Abass Rezaee, **Hooshyar Hossini**, *Removal of Ammonium from Synthetic Wastewater using Integrated Fixed Film Activated Sludge (IFAS) include Powder Activated Carbon*. Archives of Hygiene Sciences, 2015.
16. A Rezaee, H Masoumbeigi, **H Hossini**, *Water disinfection by Zinc oxide nanoparticle prepared with solution combustion method* , Desalination and Water Treatment, 8/2014, **In press**.
17. Abbas Rezaee .**Hooshyar Hossini** .Hossin Masoumbaigi, Reza Darvishi Cheshmeh Soltani, *Electrochemical removal of Cr (VI) from aqueous solution using bipolar electrodes system Al/Al-Al/Al -Iranian journal of water and wastewater- Article In Persian*
18. **Hooshyar Hossini**, Abbas Rezaee, Syedenayat Hashemi. *Electrochemical removal of hexavalent chromium from wastewater using Platinum-Iron/Iron-carbon nanotubes bipolar Electrodes*, SMJ. 02/2014; **Article In Persian**
19. Reza Barati Roshvanlo, Abass Rezaee, **Hooshyar Hossini**, *Application Feasibility of modified integrated fixed film activated sludge for ammonium elimination from wastewater*, Sabzevar Medical Science Journal, **Article In Persian**
20. **Hooshyar Hossini**, Abbas Rezaee, Mohammad Shirmardi, Abolfazl Naeimabadi, *Sulfate removal from wastewater using electrocoagulation process: evaluation of effective parameters and costs*, North Khorasan Sabzevar Medical Science Journal, **Article In Persian**.
21. Edris Hoseinzadeh, Abbas Rezaee, **Hooshyar Hossini**, *Biological Nitrogen Removal in Moving Bed Biofilm Reactor Using Ibuprofen as Carbon Source*. Water Air Soil Pollution, (2016) 227:46.

22. **Hooshyar Hossini**, Abbas Rezaee. Bita ayati, amirhossein mahvi, Simultaneous nitrification and denitrification using a polypyrrole/microbial cellulose electrode in a membraneless bio-electrochemical system, RSC Adv., 2015, 5, 72699.
23. **Hooshyar Hossini**, Abbas Rezaee. Bita ayati, amirhossein mahvi, optimizing ammonia volatilization by air stripping from aquatic solutions using response surface methodology (RSM) Desalination and Water Treatment (2015) 1–8.
24. **H. Hossini**, H. Esmaeili Taheri, A. Arab Markadeh, A. Rezaee, S.O. Rastegar, Optimization of effective parameters in the biosorption of Cr(VI) using acid treated date palm fiber from aqueous solution, Desalination and Water Treatment, (2015) 1–10.
25. **Hooshyar Hossini**, Abbas Rezaee. Bita ayati, amirhossein mahvi, Off-Gas Treatment of Ammonia Using a Diffused Air Stripper: A Kinetic Study, Health Scope. 2016 February; 5(1): e26479.
26. R. Ahmadi, A. Rezaee, M. Anvari, **H. Hossini**, S.O. Rastegar, Optimization of Cr(VI) removal by sulfate-reducing bacteria using response surface methodology, Desalination and Water Treatment, (2015) 1–7.
27. Abbas Rezaee, Golamhossin Pourtagi, **Hooshyar Hossini**, Mahshid Loloi, Microbial cellulose as a support for photocatalytic oxidation of toluene using TiO₂ nanoparticles, J. Appl. Polym. Sci. 2016, Doi: 10.1002/App.43051.
28. **Hooshyar Hossini**, Abbas Rezaee. Bita ayati, amirhossein mahvi, Optimization of temperature and supporting electrolyte for ammonium removal using bioelectrochemical systems, J Adv Environ Health Res, 2015; 3(1): 62-70.
29. **Hossini H**, Rezaee A, Barati-Roshvanlo R. Application of response surface methodology for optimization of ammonia removal in integrated fixed-film activated sludge. J Adv Environ Health Res 2015; 3(2): 130-8.
30. **Hooshyar Hossini**, Pouran Makhdoomi, Seyed Omid Rastegar, Fazel Mohammadi Moghadam, Hamid Reza Ghaffari, Allahbakhsh Javid, Nezam Mirzaei, Optimization of the electrocoagulation process for sulfate removal using response surface methodology, Bulgarian Chemical Communications, Volume 47, (pp. 63 – 71) 2015.
31. **Hooshyar Hossini**, Mahdi Safari, Reza Darvishi Cheshmeh Soltani, Reza Rezaee, Omid Giahi, Yahya Zandsalimi, Application of Experimental design approach for optimization of the removal of Humic substances from aqueous solution using immobilized ZnO, J Adv Environ Health Res 2015; 3(3).
32. **Hooshyar Hossini**, Pouran Makhdoomi, Fazel Mohammadi Moghadam, Nezam Mirzaei, A review of Toxicological/Environmental/Health effects of chromium from aqueous medium: available removal techniques, Acta Medica Meditranea, 2016, in press.
33. **Hossini H**, Makhdoomi P. Bioindicators for environmental determination. Hozan journal of Environmental Sciences. 2016;1(1):1-17.
34. Shima Rezaei, Afshin Maleki, Meghdad Pirsahab, **Hooshyar Hossini**, Simultaneous degradation and adsorption of Cyanide using modified fly ash (MFA) and TiO₂/UV, , J Adv Environ Health Res 2015, 3(4).
35. Edris Hoseinzadeh, **Hooshyar Hossini**, et al. A review of available techniques for determination of nano-antimicrobials activity. Toxin Reviews 36 (1), 18-32
36. Saeb Ahmadi, Seyed Omid Rastegar, Hiwa Hossaini, **Hooshyar Hossini**, Nezam Mirzaei Removal of Hexavalent Chromium from Aqueous Solution Using Polyaniline: Modeling and Optimization, International Journal of Pharmacy and Technology, 2016. 8 (3).

37. N Mirzaei, AH Mahvi, **H Hossini**, Equilibrium and kinetics studies of Direct blue 71 adsorption from aqueous solutions using modified zeolite, *Adsorption Science & Technology*, DOI: 10.1177/0263617416684836..
38. Edris Hoseinzadeh, **Hooshyar Hossini**, et al. A Review on Nano-Antimicrobials: Metal Nanoparticles, Methods, and Mechanisms, *Current Drug Metabolism*, Volume 17 (E-pub ahead of print).
39. **Hooshyar Hossini**, Meghdad Pirsahab, Hiwa Hossaini, Mojtaba Limoe, A Letter: Zika Virus (ZIKV) and Wastewater Treatment Plants, *Health Scope*, in press.
40. M Pirsahab, Yahya Jabari, **Hooshyar Hossini**, K Sharafi, S Mohamadi, evaluation of heavy metals (chromium, nickel and lead) in topsoil of the residential and industrial area of kermanshah, iran, *iioab journal* 7, 410-415.
41. **M Pirsahab**, H Hossini, K Sharafi, S Mohamadi, post-treatment of baker's yeast wastewater by combination of two stage sequencing batch reactor (SBR) and intermediate O₃/GAC, *IIOAB journal* 7, 416-427.
42. M Pirsahab, B Shahmoradi, M Beikmohammadi, E Azizi, **H Hossini** , ...Photocatalytic degradation of Aniline from aqueous solutions under sunlight illumination using immobilized Cr: ZnO nanoparticles, *Scientific Reports* 7 (1), 1473.
43. M Pirsahab, **H Hossini**, F Asadi, H Janjany, A systematic review on organochlorine and organophosphorus pesticides content in water resources, *Toxin Reviews*, 1-12.
44. R Khosravi, **H Hossini**, M Heidari, M Fazlzadeh, H Biglari, Electrochemical Decolorization of Reactive Dye from Synthetic Wastewater by Mono-Polar Aluminum Electrodes System, *Int. J. Electrochem. Sci* 12, 4745-4755.
45. **Hooshyar Hossini**, The Application of Natural Chitosan/Bone Char Composite in Adsorbing Textile Dye from Water, *Chemical Engineering Communications* May 2017.
46. Meghdad Pirsahab**Hooshyar Hossini**Marius Sebastia Secula et al. Application of high rate integrated anaerobic-aerobic/biogranular activated carbon sequencing batch reactor (IAnA-BioGACSBR) for treating strong municipal landfill leachate, *Scientific Reports* · April 2017.
47. **H Hossini**, RDC Soltani, M Safari, A Maleki, R Rezaee, R Ghanbari The Application of Natural Chitosan/Bone Char Composite in Adsorbing Textile Dye From Water. *Chemical Engineering Communications*. In press
48. M Pirsahab, S Mohamadi, S Rahmatabadi, **H Hossini**, F Motteran, Simultaneous wastewater treatment and biogas production using integrated anaerobic baffled reactor granular activated carbon (IABRGAC) from Baker yeast wastewaterEnvironmental Technology, 1-22
49. P Makhdoomi, **H Hossini**, GM Ashraf, M Limoe, Molecular Mechanism of Aniline Induced Spleen Toxicity and Neuron Toxicity in Experimental Rat Exposure: A Review ; *Current neuropharmacology* 17 (3), 201-21.
50. S Rezaei, **H Hossini**, M Hasemi, Removal of Ortho-chlorophenol from Aqueous Solutions Using Zero-Valent Iron Nanoparticles Modified Clay (Case Clay Soils of ShahMorad Mountains in Rafsanjan) *Iranian Journal of Health, Safety and Environment* 5 (4), 1091-1098.
51. Saeb Ahmadi, Edris Hosseinzade, Ashkan Sami Vand, **Hooshyar Hossini**, Biological Methods for Nitrogen Removal: In book: Nitrogen Removal Processes for Wastewater Treatment, **Publisher: Bentham**
52. Edris Hosseinzade, Ashkan Sami Vand, **Hooshyar Hossini**, et al. Nitrogen Removal in Bio Electrochemical Systems In book: Nitrogen Removal Processes for Wastewater Treatment, **Publisher: Bentham**