Kurdistan University of Medical Sciences
Faculty of Health
Department of Environmental Health Engineering

Personal Information :

Name: **Reza**

Surname: **Rezaee**

Academic Rank: **Assistant Professor**

Department: **Environmental Health Engineering**

Address: Department of Environmental Health Engineering, Faculty of Health, Kurdistan University of Medical Sciences, Sanandaj, Iran.

Tel: +98 873 3626969, +98 873 1827 507 **Fax:** +98- 87-3 3625132

Email: **Rezaee.eng@gmail.com, rezaee.r@muk.ac.ir**

Scientific References:

H. Index: 11 (https://www.scopus.com/authid/detail.uri?authorId=56462551800)

ORCID: 56462551800 (http://orcid.org/0000-0003-3048-1709)

Google Scholar: (https://scholar.google.com/citations?user=Ch5Ybn0AAAAJ&hl=en)

Educational Qualification :

Ph.D. in Environmental Health Engineering, Tehran University of Medical Sciences, Tehran, Iran. 2015.

Thesis: *Application of Nanostructure Graphene Membrane in Arsenic and Nitrate Removal from Water.*

M.Sc. in Environmental Health Engineering, Isfahan University of Medical Sciences, Isfahan, Iran. 2006.

Dissertation: *Investigation Of Advanced Photochemical Oxidation (APO) technology efficiency in degradation of direct azo dye with UV/H_2O_2 process.*

B.Sc. in Environmental Health Engineering, Iran University of Medical Sciences, Tehran, Iran. 2001.

Positions Held:

1. **Faculty Member**, Department of Environmental Health Engineering, Faculty of Health, Kurdistan University of Medical Sciences, Sanandaj, Iran, 2007- present.
2. **Dean of Faculty of Health**, Kurdistan University of Medical Sciences, 2018- present.
3. Faculty Member, Environmental Health Research Center (EHRC), Kurdistan University of Medical Sciences, Sanandaj, Iran, 2015- present.
4. Head of Department of Environmental Health Engineering, Faculty of Health, Kurdistan University of Medical Sciences, Sanandaj, Iran, 2015- 218.
5. Lecturer, Department of Environmental Health Engineering, Faculty of Health Kurdistan University of Medical Sciences, Sanandaj, Iran, 2007- present.
6. Health faculty laboratories manager of Kurdistan University of Medical Sciences, 2007-218.

Experiences

Teaching:

Different undergraduate and graduate courses in B.Sc, M.Sc and Ph.D. Such as:
Water Treatment, Industrial Wastewater treatment, Industrial Solid Waste Management , …

Research Interests:

- Membrane technology for water and wastewater treatment
- Environmental pollution control and monitoring
- Solid Waste Management
- Nanotechnology

Sabbatical and courses:

- Environmental-Friendly Technologies for Solid Waste Treatment, Tomas Bata University, Zlin, Czech, 2017.

Published Papers:

1. Reza Rezaee, Simin Nasseri, Amir Hossein Mahvi, Ramin Nabizadeh, Seyyed Abbas Mousavi, Afshin Maleki, Mahmood Alimohammadi, Ali Jafari, Saeedeh Hemmati Borji. Development of a novel graphene oxide-blended polysulfone mixed matrix membrane with improved hydrophilicity and evaluation of nitrate removal from aqueous solutions. Chemical Engineering Communications, 206(4), 2019, pp. 495-508, ISI (IF: 1.28).

2. Layegh Khaledi Maki, Afshin Maleki, Reza Rezaee, Hiua Daraei, Kaan Yetilmezsoy. LED-activated immobilized Fe-Ce-N tri-doped TiO2 nanocatalyst on glass bed for photocatalytic degradation organic dye from aqueous solutions. Environmental Technology and Innovation, Volume 15, August 2019, Article number 100411, ISI (IF: 2.8).

3. Pegah Bahmani, Afshin Maleki, Hiua Daraei, Reza Rezaee, Mehrdad Khamforoush, Saeed Dehestani Athar, Fardin Gharibi, Amir Hossein Ziaee, Gordon McKay. Application of modified electrospun nanofiber membranes with α-Fe2O3 nanoparticles in arsenate removal from aqueous media. Environmental Science and Pollution Research,Volume 26, Issue 21, 1 July 2019, Pages 21993-22009, ISI (IF: 2.914).

4. Mohammad Amin Pordel, Afshin Maleki, Reza Ghanbari, Reza Rezaee, Mehrdad Khamforoush, Hiua Daraei, Saeed Dehestani Athar, Behzad Shahmoradi, Mehdi Safari, Amir hossein Ziaee, Seung-Mok Lee. Evaluation of the effect of electrospun nanofibrous membrane on removal of diazinon from aqueous solutions. Reactive and Functional Polymers, Volume 139, June 2019, Pages 85-91, ISI (IF: 3.074).

5. Roya Ebrahimi, Afshin Maleki, Yahya Zandsalimi, Reza Ghanbari, Behzad Shahmoradi, Reza Rezaee, Mahdi Safari, Sang W Joo, Hiua Daraei, Shivaraju Harikaranahalli Puttaiah, Omid Giahi. Photocatalytic degradation of organic dyes using WO3-doped ZnO nanoparticles fixed on a glass surface in aqueous solution. Journal of Industrial and Engineering Chemistry, Volume 73, 25 May 2019, Pages 297-305,(IF: 4.978).

6. Marzieh Rashidipour, Afshin Maleki, Sajad Kordi, Mehdi Birjandi, Naser Pajohi, Ebrahim Mohamadi, Rouhollah Heydari, Reza Rezaee, Bahram Rasoulian, Behroz Davari. Pectin/Chitosan/Tripolyphosphate Nanoparticles: Efficient Carriers for Reducing Soil Sorption, Cytotoxicity and Mutagenicity of Paraquat and Enhancement of its Herbicide Activity. J. Agric. Food Chem.2019, 67205736-5745, ISI (IF: 3.571).

7. Pegah Bahmani, Afshin Maleki, Reza Rezaee, Amir Hossein Mahvi, Mehrdad Khamforoush, Saeed Dehestani Athar, Hiua Daraei, Fardin Gharibi, Gordon McKay. Arsenate removal from aqueous solutions using micellar-enhanced ultrafiltration. Journal of Environmental Health Science and Engineering, Volume 17, Issue 1, 19 February 2019, Pages 115-127, ISI (IF: 1.28).

8. Nader Amini, Mohammad Bagher Gholivand, Mojtaba Shamsipur, Ali Akbar Moosavi Movahedi, Sara Farahi, Mehran Habibi-Rezaei, Afshin Maleki, Reza Rezaee, Kazhal Naderi. Fabrication of a glycation induced amyloid nanofibril and polyalizarin yellow R nanobiocomposite: Application for electrocatalytic determination of hydrogen peroxide. International Journal of Biological Macromolecules, Volume 123, 15 February 2019, Pages 1297-1304, ISI (IF: 4.784).

9. Pegah Bahmani, Afshin Maleki, Reza Rezaee, Mehrdad Khamforosh, Kaan Yetilmezsoy, Saeed Dehestani Athar, Fardin Gharibi. Simultaneous removal of arsenate and nitrate from aqueous solutions using micellar-enhanced ultrafiltration process. Journal of Water Process Engineering, Volume 27, February 2019, Pages 24-31, ISI (IF: 3.173).

10. Roya Ebrahimi, Khosro Hossienzadeh, Afshin Maleki, Reza Ghanbari, Reza Rezaee, Mahdi Safari, Behzad Shahmoradi, Hiua Daraei, Ali Jafari, Kaan Yetilmezsoy, Shivaraju Harikaranahalli Puttaiah. Effects of doping zinc oxide nanoparticles with transition metals (Ag, Cu, Mn) on photocatalytic degradation of Direct Blue 15 dye under UV and visible light irradiation. Journal of Inorganic and Organometallic Polymers and Materials, 2019, ISI (IF:1.637).

11. Soltani RDC, Safari M, Rezaee R, Teymouri P, Hashemi SE, Ghanbari R, et al. Preparation of Chitosan/Bone Char/Fe3O4 Nanocomposite for Adsorption of Hexavalent Chromium in Aquatic Environments. Arabian Journal for Science and Engineering. 2018: 5799-5808., DOI: 10.1007/s13369-018-3093-6 , ISI (IF: 1.09).

12. Maleki A, Rezaei R, Daraei H, Shahmoradi B, Amini N. Fabrication of a sensitive electrochemical sensor to environmental pollutant of hydrazine in real water samples based on synergistic catalysis of Ag@ C core–shell and polyalizarin yellow R. Journal of Alloys and Compounds. 2018: 997-1004., DOI: 10.1016/j.jallcom.2018.06.038 , ISI (IF: 3.77).

13. Safari M, Khataee A, Soltani RDC, Rezaee R. Ultrasonically facilitated adsorption of an azo dye onto nanostructures obtained from cellulosic wastes of broom and cooler straw. J Colloid Interface Sci. 2018; 522:228-41., DOI: 10.1016/j.jcis.2018.03.076 , ISI (IF: 5.09).

14. Amini N, Gholivand MB, Shamsipur M, Movahedi AAM, Farahi S, Habibi-Rezaei M, et al. Fabrication of a glycation induced amyloid nanofibril and polyalizarin yellow R nanobiocomposite: Application for electrocatalytic determination of hydrogen peroxide. International journal of biological macromolecules. 2018., DOI: 10.1016/j.ijbiomac.2018.10.043, ISI (IF: 3.90).

15. brahimi R, Hayati B, Shahmoradi B, Rezaee R, Safari M, Maleki A, et al. Adsorptive removal of nickel and lead ions from aqueous solutions by poly (amidoamine)(PAMAM (dendrimers (G4). Environmental Technology & Innovation. 2018., DOI: 10.1016/j.eti.2018.10.001 .

16. Maleki A, Rezaei R, Jafari A, Zandsalami Y, Bahmani P, Ghahramani E, et al. Data on physicochemical quality of drinking water in the rural area in Divandarreh county, Kurdistan, Iran. Data in Brief. 2018: 661-1669.

17. Soltani RDC, Safari M, Maleki A, Rezaee R, Shahmoradi B, Shahmohammadi S and Ghahramani E: Decontamination of arsenic (V)-contained liquid phase utilizing Fe3O4/bone char nanocomposite encapsulated in chitosan biopolymer. Environmental Science and Pollution Research 2017., 15157–15166., DOI:10.1007/s11356-017-9128-9, ISI (IF: 2.74).

18. Hossini H, Soltani RDC, Safari M, Maleki A, Rezaee R and Ghanbari R: The Application of Natural Chitosan/Bone Char Composite in Adsorbing Textile Dye From Water. Chemical Engineering Communications 2017., DOI: 10.1080/00986445.2017.1340274, ISI (IF: 1.297).

19. Jafari A, Nasseri S, Nabizadeh R, Mousavi S, Rezaee R and Mahvi A: Humic acid removal from water using a novel fabricated antifouling carbon nanotube bucky-paper membrane and effect of operating parameters. GLOBAL NEST JOURNAL 2017., 19:217-224, ISI .

20. Bahmani P, Maleki A, Daraei H, Khamforoush M, Rezaee R, Gharibi F, Tkachev AG, Burakov AE, Agarwal S and Gupta VK: High-flux ultrafiltration membrane based on electrospun polyacrylonitrile nanofibrous scaffolds for arsenate removal from aqueous solutions. Journal of colloid and interface science 2017., 506:564-571., DOI:10.1016/j.jcis.2017.07.086, ISI (IF: 4.233).
21. Maleki A, Hamesadeghi U, Daraei H, Hayati B, Najafi F, McKay G, Rezaee R: Amine functionalized multi-walled carbon nanotubes: Single and binary systems for high capacity dye removal. Chemical Engineering Journal 2017, 313:826-835., DOI: 10.1016/j.cej.2016.10.058 , ISI (IF: 5.439).

22. Salehi K, Bahmani A, Shahmoradi B, Pordel M, Kohzadi S, Gong Y, Guo H, Shivaraju H, Rezaee R, Pawar R: Response surface methodology (RSM) optimization approach for

degradation of Direct Blue 71 dye using CuO–ZnO nanocomposite. International Journal of Environmental Science and Technology 2017., DOI: 10.1007/s13762-017-1308-0I , ISI (IF:2.13).

23. Jafari A, Rezaee R✉, Nasseri S, Mahvi AH, Maleki A, Safari M, Shahmoradi B, Daraei H: Application of Micellar Enhanced Ultrafiltration (MEUF) for Arsenic (v) Removal From Aqueous Solutions and Process Optimization. Journal of Dispersion Science and Technology 2017., DOI: 10.1080/01932691.2016.1263798. ISI (IF: 1.112).

24. Naghizade Asl M, Mahmodi NM, Teymouri P, Shahmoradi B, Rezaee R, Maleki A: Adsorption of organic dyes using copper oxide nanoparticles: isotherm and kinetic studies. Desalination and Water Treatment 2016, 57(52):25278-25287., doi:10.1080/19443994.2016.1151832. ISI (IF : 1.272).

25. Maleki A, Safari M, Rezaee R, Cheshmeh Soltani RD, Shahmoradi B, Zandsalimi Y: Photocatalytic degradation of humic substances in the presence of ZnO nanoparticles immobilized on glass plates under ultraviolet irradiation. Separation Science and Technology 2016, 51(14):2484-2489., DOI: 10.1080/01496395.2016.1213746. ISI (IF: 1.083).

26. Jafari A, Mahvi AH, Nasseri S, Rashidi A, Nabizadeh R, Rezaee R: Ultrafiltration of natural organic matter from water by vertically aligned carbon nanotube membrane. Journal of Environmental Health Science and Engineering 2015, 13(1)., DOI: 10.1186/s40201-015-0207-x. ISI (IF: 1.129).

27. Rezaee R, Nasseri S, Mahvi AH, Nabizadeh R, Mousavi SA, Rashidi A, Jafari A, Nazmara S: Fabrication and characterization of a polysulfone-graphene oxide nanocomposite membrane for arsenate rejection from water. Journal of Environmental Health Science and Engineering 2015, 13(1):1., DOI: 10.1186/s40201-015-0217-8. ISI (IF: 1.129).

28. Daraei H, Maleki A, Mahvi A, Alaei L, Rezaee R, Ghahremani E, Mirzaei N: Simultaneous determination of inorganic anions in bottled drinking water by the ion chromatography

method. Journal of Water Chemistry and Technology 2015, 37(5):253-257., DOI: 10.3103/S1063455X15050082. ISI (IF: 0.258).

29. Maleki A, Mahvi AH, Daraei H, Rezaei R, Meihami N, Mohammadi K, Zandi S: Influence of selected anions on fluoride removal in electrocoagulation/electroflotation. Fluoride 2015, 48(1):37-47. (IF: 0.797).

30. Rezaee R, Maleki A, Jafari A, Mazloomi S, Zandsalimi Y, Mahvi AH: Application of response surface methodology for optimization of natural organic matter degradation by UV/H_2O_2 advanced oxidation process. Journal of Environmental Health Science and Engineering 2014, 12(1):1., DOI: 10.1186/2052-336X-12-67. ISI (IF: 1.129).

31. Jafari A, Mahvi AH, Godini H, Rezaee R, Hosseini SS: Process optimization for fluoride removal from water by Moringa oleifera seed extract. Fluoride 2014, 47(2):152-160. (IF: 0.797).

32. Mahvi A, Maleki A, Rezaee R, Safari M: Reduction of humic substances in water by application of ultrasound waves and ultraviolet irradiation. Journal of Environmental Health Science and Engineering 2009, 6(4): 233-240., ISI (IF: 1.129).

33. Rezaee R, Nasseri S, Mahvi AH, Jafari A, Safari M, Shahmoradi B, Alimohammadi M, Khazaei M, Maroosi M: Fabrication of ultrathin graphene oxide-coated membrane with hydrophilic properties for arsenate removal from water. J Adv Environ Health Res 2016, 4(3):169-175.

34. Hossini H, Safari M, Rezaee R, Soltani RDC, Giahi O, Zandsalimi Y: Application of experimental design approach for optimization of the photocatalytic degradation of humic substances in aqueous solution using immobilized ZnO nanoparticles. Journal of Advances in Environmental Health Research 2015, (3) 3.

35. Amini S, Rezaee R, Jafari A, Maleki A: Evaluation of corrosion and scaling potential of drinking water supply sources of Marivan villages, Iran. Journal of Advances in Environmental Health Research 2015, (3) 3.

36. Soltani RDC, Rezaee A ,Rezaee R, Safari M, Hashemi H: Photocatalytic degradation of methylene blue dye over immobilized ZnO nanoparticles: Optimization of calcination conditions. Journal of Advances in Environmental Health Research 2015, 3(1):8-14.

37. Rezaee R ,Nasseri S, Mahvi AH, Jafari A, Mazloomi S, Gavami A, Yaghmaeian K: Estimation of gas emission released from a municipal solid waste landfill site through a modeling approach: A case study, Sanandaj, Iran. Journal of Advances in Environmental Health Research 2014, 2(1):13-21.

38. Maleki A, Ghahremani E, Zandsalimi Y, Teymouri P, Daraei H, Rezaee R, Bahmani P, Davari B, Naghipour-Khalkhaliani D, Kalantar E: Temporal and spatial variation of drinking water quality in a number of Divandareh villages, Iran: With emphasis on fluoride distribution. Journal of Advances in Environmental Health Research 2014, 2(3):174-180.

39. Maleki A, Daraei H, Khodaei F, Bayazid-Aghdam K, Rezaee R, Naghizadeh A: Investigation of potato peel-based bio-sorbent efficiency in reactive dye removal: Artificial neural network modeling and genetic algorithms optimization. Journal of Advances in Environmental Health Research 2013, 1(1):21-28.

40. Maleki A, Mahvi AH, Rezaee R, Davari B: Removal of Reactive Blue 19 using Natural and Modified Zeolites. Iranian Journal of Health and Environment 2013, 5(4):519-530.

41. Amin MM, Safari M, Maleki A, Ghasemian M, Rezaee R, Hashemi H: Feasibility of humic substances removal by enhanced coagulation process in surface water. International Journal of Environmental Health Engineering 2012, 1(1):29.

42. Hashemi H, Amin MM, Ebrahimi A, Rezaie R, Safari M: Evaluation of health, environmental, economic and technical aspects of disinfection of WWTP effluent in the north of Isfahan with UV instead of chlorine. Scientific Journal of Kurdistan University of Medical Sciences 2012, 16(4):50-59.

43. Rezaee R, Maleki A, Siboni MS, Rahimi M, Mohamadi M: Comparison of efficiency of photochemical and sonochemical processes combined with hydrogen peroxide in removal of Direct Blue 71 (DB71) from aqueous solution: a kinetic study. Scientific Journal of Kurdistan University of Medical Sciences 2011, 16(1).

44. Maleki A, Mahvi AH, Rezaie R, Shirzad Siboni M: Cadmium adsorption by a bacterial biofilm supported on clinoptilolite from aqueous solution. Scientific Journal of Kurdistan University of Medical Sciences 2011, 16(3):65-75.

45. Maleki A, Zandsalimi Y, Sahmoradi B, Rezaee R, Pordel M: Comparison of the efficiency of photochemical processes combined with UV/H_2O_2 and UV/TiO_2 in removal of Acid Red 18 from aqueous solutions. Scientific Journal of Kurdistan University of Medical Sciences 2011, 16(4).

46. Maleki A, Bakhtiarvand SNAA, Safari M, Rezaee R: Determination of Fluoride in Sanandaj Drinking Water Resources. Jundishapur Journal of Health Sciences 2011, 3(1):19-27.

47. Rezaee R, Maleki A, Safari M, Ghavami A: Assessment of chemical pollution of groundwater resources in downstream regions of Sanandaj landfill. Scientific Journal of Kurdistan University of Medical Sciences 2010, 15(3).

48. Maleki A, Rezaee R: Toxicity reduction of reactive black 5 and disperse orange 25 by advanced oxidation processes. J Color Sci Tech 2009, 3:17-23.

49. Maleki A, Zazouli MA, Izanloo H, Rezaee R: Composting plant leachate treatment by coagulation-flocculation process. American-Eurasian Journal of Agricultural & Environmental Science 2009, 5(5):638-643.

50. Hazhir M, Sanoubar Tahaiee N, Rashidi K, Rezaie R, Shaykhi H: Determination of the amount of aflatoxin in milk samples delivered to Sanandaj pasteurized Milk Corporation. Scientific Journal of Kurdistan University of Medical Sciences 2008, 13(1):44-50.

51. MOVAHEDIAN AH, Rezaei R: Investigating the efficiency of advanced photochemical oxidation (APO) technology in degradation of direct azo dye by UV/H2O2 process. Scientific Journal of Water and Wastewater 2006, 17(3):75-83.

Memberships:

Iranian Scientific Association of Environmental Health since 2001.

Editorial Team:

Journal of Advances in Environmental Health Research (JAEHR).

Conference Papers:

1. Rezaee R, Nasseri S, Mahvi AH, Maleki A, Mousavi SA, Jafari A. FABRICATION OF A GRAPHENE OXIDE DISPERSED POLYSULFONE NANOFILTRATION MEMBRANE FOR FLUORIDE REMOVAL FROM WATER. 32th Conference of the International Society for Fluoride Research**,** November 25–28, 2014, Chiang Mai, Thailand.

2. Rezaee R, Mahvi AH, Maleki A, Jafari A, Ashrafi D, Safari M, Application of modified heat straw for fluoride reduction from aqueous solutions: isotherms and kinetics, XXXth Conference of the International Society for Fluoride Research, September 5–8, 2012, Szczecin, Poland.

3. Jafari A, Mahvi A. H, **Rezaee R**, Davoodi R. An approach to membrane process option for removal of fluoride from drinking waters. 32th Conference of the International Society for Fluoride Research**,** November 25–28, 2014, Chiang Mai, Thailand.

4. Maleki A, Ghiahi O, Mahvi AH, Rezaee R, Bahmani P, Zandsalimi Y, Ebrahimi R, Ghahremani E. Temporal variations and spatial distribution of fluoride in water resources of villages in divandareh, kurdistan, Iran. 32th Conference of the International Society for Fluoride Research**,** November 25–28, 2014, Chiang Mai, Thailand.

5. Maleki A, Daraii H, Shahmoradi B, Amini H, Mahvi AH, **Rezaee R**, Ion chromatography method for determination of inorganic anions in iranian bottled drinking waters, XXXth Conference of the International Society for Fluoride Research**,** September 5–8, 2012, Szczecin, Poland.

6. DAVARI B, MALEKI A, REZAEE R: Application of chemical coagulation for removal of anionic surfactants in detergent wastewater .In: Proceedings of the International Conference on Advances in Chemical Technologies for Water and Wastewater Treatment: 2008; 2008.