CURRICULUM VITAE

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EDUCATION

- **TARBIAT MODARES UNIVERSITY (TMU),** Tehran, Iran

PhD student of Environmental Health, 2006-2011

- **Dissertation:**

Water chemical denitrification using Mg/Cu bimetallic particles in fluidized bed reactor, Advisor: S.B. Mortazavi

- **TARBIAT MODARES UNIVERSITY (TMU),** Tehran, Iran

MSc of Environmental Health, 2003-2006

- **Thesis:**

Mercury removal from industrial wastewater by algae

- **Patent derived from thesis:**

Mercury removal from dental wastewater by algae

- **UNIVERSITY OF TEHRAN,** Tehran, Iran

Bachelor (BSc) of Environmental Health, 1997-2001

WORK EXPERIENCE

- **BUSHEHR UNIVERSITY OF MEDICAL SCIENCES, BUSHEHR, IRAN**
  - Assistant professor in Environmental Health Dept., 2011- 2016.
  - Associate professor in Environmental Health Dept., 2016- 2021.
  - Professor in Environmental Health Dept., 2021- now

- **OIL MINISTRY, NATIONAL PETROCHEMICAL COMPANY (NPC), TEHRAN, IRAN**
  - Advisor in HSE department, water and wastewater section, 2005- 2011

- **MINISTRY OF HEALTH TREATMENT AND MEDICAL EDUCATION,** Alashtar, Iran
  - Environmental Health Officer, 2001 - 2003
  - Health Officer - Environmental Health and Safety Check, 2001 – 2003

AREAS OF RESEARCH

- **DRINKING WATER AND WATER RESOURCES MONITORING**
  - THMs and HAAs monitoring in water.
  - Monitoring of emerging pollutants (antibiotics, hormones, phthalates, etc.) in water.
  - Health risk assessment of pollutants in water and soil.
  - Investigating the presence of microplastics and emerging pollutants in water resources, soil and sediment.
- **WATER AND WASTEWATER TREATMENT USING PHYSICOCHEMICAL METHODS**
  - Preparation of adsorbents for pollutant treatment.
  - Catalytic removal of pollutants from waste/wastewater.
  - Using chemical coagulation for pollutant treatment.
  - Water purification with membrane methods.
- **AIR MONITORING AND PURIFICATION OF AIR POLLUTANTS IN INDUSTRIAL ENVIRONMENTS**
  - Monitoring organic and inorganic pollutants in the environment with active and passive methods.

- Purification of organic and inorganic pollutants with physicochemical and biological methods (like biofiltration).

➢ **WASTE MANAGEMENT**

- Converting waste into useful materials like adsorbents and catalysts.
- Waste water treatment using new technologies.
- Waste to energy production.

PAPER

1. Investigation of trihalomethanes formation potential in Karoon River water, Iran, Fooladvand, M., **Bahman Ramavandi**[*], Zandi, K., Ardestani, M., Environmental Monitoring and Assessment, 2011.
2. Experimental investigation of the chemical reduction of nitrate ion in aqueous solution by Mg/Cu bimetallic particles**,** Ramavandi, B. et al., Reaction Kinetics, Mechanisms and Catalysis, 2011.
3. Chemical reduction kinetics of nitrate in aqueous solution by Mg/Cu bimetallic particles, **Ramavandi, B.**, Mortazavi, S.B., Moussavi, G., Environmental Technology Journal, 2011.
4. Experimental investigation of the chemical reduction of nitrate in water by Mg^{o} and Cu/Mg bimetallic particles in the absence of any pH- control mechanism, **Bahman Ramavandi** et al., Fresenius Environmental Bulletin, 2011.
5. Bioassay comparison of trichloroethylene (TCE) toxicity on Daphnia magna (D. magna) before and after ultrasound and photolysis processes, Dobaradaran S., Mahvi A.H., Nabizadeh R., **Ramavandi B.**, Nazmara Sh. and Zarei S., Fresenius Environmental Bulletin, 2012.
6. High potential for the formation of haloacetic acids in the Karoon River water in Iran, **Ramavandi B**, Dobaradaran S, Asgari G, Masoumbeigi H., Environmental Monitoring and Assessment, 2013.
7. Investigation on the pyrolysis of cow bone as a catalyst for ozone aqueous decomposition: Kinetic approach, Ghorban Asgari, Abdolmotaleb Seid Mohammadi, Sied Bagher Mortazavi, **Bahman Ramavandi**, Journal of Analytical and Applied Pyrolysis, 2013.
8. Cr (VI) adsorption from aqueous solution using a surfactant-modified Iranian zeolite: characterization, optimization, and kinetic approach, Ghorban Asgari, **Bahman Ramavandi**[*], Leila Rasuli, Mehdi Ahmadi, Desalination and Water Treatment, 2013.
9. Kinetic and equilibrium stusies of nitrate adsorption from aqueous solution by *lewatite* FO 36, Mehdi Ahmadi, Amir Hosein Mahvi, Zamzam Doroud, Bahman Ramavandi, Pari Teymouri, Environmental Engineering and Management Journal, In press.
10. Removal of a cationic dye from wastewater during purification by *Phoenix dactylifera*, Ghorban Asgari, **Bahman Ramavandi**[*], Soleyman Sahebi, Desalination and Water Treatment, 2014.
11. Abetment of azo dye from wastewater using chitosan- bimetal, Ghorban Asgari, **Bahman Ramavandi**[*], Sima Farjadfard, The Scientific World Journal, 2013.
12. Removal of COD from textile wastewater using a natural coagulant, **Bahman Ramavandi**[*], Sima Farjadfard, The Korean J Chem Eng, 2014.
13. Removal of phenol from hyper-saline wastewater using Cu/Mg/Al-chitosan-H_2O_2 in a fluidized catalytic bed reactor, **Bahman Ramavandi**[*], Mohamadtaghi Jafarzadeh, Sloeyman Sahebi, Reaction Kinetics, Mechanisms and Catalysis, 2014.
14. Microbial contamination of dental unit waterlines in Bushehr, Iran, Sina Dobaradaran, Iraj Nabipour, **Bahman Ramavandi**[*], Fresenius Environmental Bulletin, 2014.
15. The formation potential of haloacetonitriles in the Dez River water, Iran, Mehdi Ahmadi & **Bahman Ramavandi**[*], Environmental Technology, 2014.
16. Efficient Degradation of a Biorecalcitrant Pollutant from Wastewater Using a Fluidized Catalyst-bed Reactor, Mehdi Ahmadi, **Bahman Ramavandi**[*], Sloeyman Sahebi, Chemical Engineering Communications, In press.
17. Removal of metronidazole antibiotic from contaminated water using a coagulant extracted from *Plantago ovate*, **Bahman Ramavandi**[*], Samad Akbarzadeh, Desalination and Water Treatment, In press.
18. Mitigation of orange II dye from simulated and actual wastewater using bimetallic chitosan particles: Continuous flow fixed-bed reactor, **Bahman Ramavandi**[*], Sima Farjadfard, Mehdi Ardjmand, Journal of Environmental Chemical Engineering, 2014.
19. Abatement of Cr (VI) from wastewater using a new adsorbent, cantaloupe peel: Taguchi L16 orthogonal array optimization, **Bahman Ramavandi**[*] et al., Korean J Chem Eng, 2014.
20. The behaviors and characteristics of a mesoporous activated carbon prepared from *Tamarix hispida* for Zn (II) adsorption from wastewater, Zohreh Khademi, **Bahman Ramavandi**[*], Mohamad Taghi Ghaneian, Journal of Environmental Chemical Engineering 3 (3), 2057-2067.
21. Effect of water quality and operational parameters on trihalomethanes formation potential in Dez River water, Iran, **Bahman Ramavandi**[*] et al., Water Resources and Industry 11, 1-12, 2015.
22. A novel method for extraction of a proteinuos coagulant from *Plantago ovata* seeds for water treatment purposes, **B Ramavandi**[*], S Hashemi, R Kafaei, MethodsX 2, 278-282, 2015.

23. Effective removal of Hg^{2+} from aqueous solutions and seawater by *Malva sylvestris*, **Ramavandi, B.***, Rahbar, A., Sahebi, S., Desalination and Water Treatment 57 (50), 23814-23826.
24. Data on the relationship between bromide content and the formation potential of THMs, HAAs, and HANs upon chlorination and monochloramination of Karoon River water, Iran, Akbarzadeh, S., Kafaei, R., Hashemi, S., **Ramavandi, B.***, Data in Brief 8, 415-419
25. Data of heavy metals biosorption onto *Sargassum oligocystum* collected from the northern coast of Persian Gulf, Delshab, S., Kouhgardi, E., **Ramavandi, B.***, Data in Brief 8, 235-241.
26. Physico-chemical study of dew melon peel biochar for chromium attenuation from simulated and actual wastewaters, Ahmadi, M., Kouhgardi, E., **Ramavandi, B.***, Korean Journal of Chemical Engineering 33 (9), pp. 2589-2601.
27. Data on greenhouse gases emission in condensate separation unit of a petrochemical company in Iran, Ahmadi, M., Dastorian, M., Jafarzadeh, N., Jorfi, S., **Ramavandi, B.***, Data in Brief 8, pp. 750-754.
28. Adsorption potential of NH_4Br-soaked activated carbon for cyanide removal from wastewater, Fooladvand, M., **Ramavandi, B.***, Indian Journal of Chemical Technology 22 (5), pp. 183-193.
29. Data of heavy metals biosorption onto Sargassum oligocystum collected from the northern coast of Persian Gulf, Delshab, S., Kouhgardi, E., **Ramavandi, B.***, Data in Brief 8, pp. 235-241.
30. Modification of *Sargassum angustifolium* by molybdate during a facile cultivation for high-rate phosphate removal from wastewater: structural characterization and adsorptive behavior, Firozeh Saberzadeh Sarvestani, Hossein Esmaeili, **Ramavandi, B.*,** 3 Biotech 6, pp. 1-12, 2016
31. Effective removal of Hg^{2+} from aqueous solutions and seawater by *Malva sylvestris*, **Ramavandi, B.***, Rahbar, A., Sahebi, S., Desalination and Water Treatment, 57 (50), pp. 23814-23826, 2016.
32. Data on the relationship between bromide content and the formation potential of THMs, HAAs, and HANs upon chlorination and monochloramination of Karoon River water, Iran, Akbarzadeh, S., Kafaei, R., Hashemi, S., **Ramavandi, B.***, Data in Brief 8, pp. 415-419, 2016
33. The correlation of trihalomethanes with other disinfections by-products and fractionation of dissolved organic carbon in Dez River water, **Ramavandi, B.***, Farjadfard, S., Ardjmand, M., Journal of Water Chemistry and Technology 39, 3, pp. 181-184
34. Removal of nitrate from aqueous solution using activated carbon modified with Fenton reagents, Ahmadi, M. Rahmani, H., **Ramavandi, B.**, Kakavandi, B., Desalination and Water Treatment 76, pp. 265-275
35. Synthesis of chitosan zero-valent iron nanoparticles-supported for cadmium removal: Characterization, optimization and modeling approach, Ahmadi, M., Foladivanda, M., Jaafarzadeh, N., Ramezani, Z., **Ramavandi, B.**, Jorfi, S., Kakavandi, B., Journal of Water Supply: Research and Technology - AQUA 66, pp. 116-130.
36. Fluoride ion removal from aqueous solution, groundwater, and seawater by granular and powdered Conocarpus erectus biochar, Papari, F., Najafabadi, P.R., **Ramavandi, B.***, Desalination and Water Treatment 65, pp. 375-386
37. Catalytic potential of Cu/Mg/Al-chitosan for ozonation of real landfill leachate, Ranjbar Vakilabadi, D., Hassani, A.H., Omrani, G., **Ramavandi, B.***, Process Safety and Environmental Protection 107, pp. 227-237
38. Estimation of anthropogenic mercury emission from various sources in Iran, Mahvi, A.H., Shalbafan, M., Nabizadeh, R., Nasseri, S., Jorfi, S., **Ramavandi, B.**, Ahmadi, M., Toxin Reviews 36, Pages 52-56
39. Synthesis of adsorbent from Tamarix hispida and modified by lanthanum metal for fluoride ions removal from wastewater: Adsorbent characteristics and real wastewater treatment data, Habibi, N., Rouhi, P., **Ramavandi, B.***, Data in Brief 13, pp. 749-754
40. Application of Cu/Mg/Al-chitosan-O3 system for landfill leachate treatment: Experimental and economic evaluation data, Vakilabadi, D.R., **Ramavandi, B.***, Hassani, A.H., Omrani, G., Data in Brief 14, pp. 192-196
41. Occurrence, distribution, and potential sources of antibiotics pollution in the water-sediment of the northern coastline of the Persian Gulf, Iran, Kafaei, R., Papari, F., Seyedabadi, M., (...), Asgari, G., **Ramavandi, B.***, Science of the Total Environment 627, pp. 703-712
42. Comparative study of sun-dried and oven-dried Malva sylvestris biomass for high-rate Cu(II) removal from wastewater, **Ramavandi, B.***, Asgari, G. Process Safety and Environmental Protection 116, pp. 61-73
43. Adsorptive performance of calcined Cardita bicolor for attenuating Hg(II) and As(III) from synthetic and real wastewaters. Teimouri, A., Esmaeili, H., Foroutan, R., **Ramavandi, B.*** Korean Journal of Chemical Engineering 35(2), pp. 479-488
44. Simultaneous biofiltration of BTEX and Hg° from a petrochemical waste stream. Leili, M., Farjadfard, S., Sorial, G.A., **Ramavandi, B.*** Journal of Environmental Management 204, pp. 531-539.
45. Efficient phenol removal from petrochemical wastewater using biochar-La/ultrasonic/persulphate system: characteristics, reusability, and kinetic study. Razmi, R., **Ramavandi, B.***, Ardjmand, M., Heydarinasab, A. Environmental Technology (United Kingdom) pp. 1-13

46. Urinary arsenic, cadmium, manganese, nickel, and vanadium levels of schoolchildren in the vicinity of the industrialised area of Asaluyeh, Iran. Kafaei, R., Tahmasbi, R., Ravanipour, M., (...), Omrani, A., **Ramavandi, B.*** Environmental Science and Pollution Research 24(30), pp. 23498-23507
47. Enhanced Sono-Fenton-Like Oxidation of PAH-Contaminated Soil Using Nano-Sized Magnetite as Catalyst: Optimization with Response Surface Methodology. Barzegar, G., Jorfi, S., Soltani, R.D.C., (...), **Ramavandi, B.**, Baboli, Z. Soil and Sediment Contamination 26(5), pp. 538-557
48. Heavy metals removal from synthetic and shipyard wastewater using phoenix dactylifera activated carbon. Foroutan, R., Khoo, F.S., **Ramavandi**, B., Abbasi, S. Desalination and Water Treatment 82, pp. 146-156
49. Comparative study of sun-dried and oven-dried *Malva sylvestris* biomass for high-rate Cu(II) removal from wastewater. **Ramavandi**, B., Asgari, G. Process Safety and Environmental Protection 116, pp. 61-73
50. Hydroxyapatite biomaterial production from chicken (femur and beak) and fishbone waste through a chemical less method for Cd2+ removal from shipbuilding wastewater. Foroutan R., Peighambardoust S.J. Hosseini S.S., Akbari A., Ramavandi B. *Journal of Hazardous Materials*.4135, 2021, 125428.
51. Adsorption mercury, cobalt, and nickel with a reclaimable and magnetic composite of hydroxyapatite/Fe3O4/polydopamine. Foroutan R., Peighambardoust S.J., Ahmadi A., Akbari A., Farjadfard S., **Ramavandi** B. *Journal of Environmental Chemical Engineering*. 9, 2021, 105709.
52. Phenol removal kinetics from synthetic wastewater by activation of persulfate using a catalyst generated from shipping ports sludge, Khoshtinat, F., Tabatabaie, T., Ramavandi, B., Hashemi, S., Chemosphere, 283, 2021, 131265.
53. Zn2+removal from the aqueous environment using a polydopamine/hydroxyapatite/Fe3O4magnetic composite under ultrasonic waves, Foroutan, R., Peighambardoust, S.J., Hemmati, S., (...), Ramavandi, B., Bianchi, C.L., RSC Advances11(44), 2021, pp. 27309-27321.
54. Urinary level of un-metabolized parabens in women working in beauty salons. Arfaeinia H., **Ramavandi** B., Yousefzadeh S., Dobaradaran S., Ziaei M., Rashidi N., Asadgol Z. *Environmental Research*. 200, 2021, 111771.
55. Preparation of clinoptilolite/starch/CoFe2O4 magnetic nanocomposite powder and its elimination properties for cationic dyes from water and wastewater. Foroutan R., Peighambardoust S.J. Hemmati S., Khatooni H., **Ramavandi** B. *International Journal of Biological Macromolecules*, 189, 432 – 44231, 2021.
56. Decoration of Citrus limon wood carbon with Fe3O4 to enhanced Cd2+ removal: A reclaimable and magnetic nanocomposite. Peighambardoust S.J., Foroutan R., Peighambardoust S.H., Khatooni H., **Ramavandi** B. *Chemosphere*, 282, 2021, 131088.
57. Impact of ZnO and Fe3O4 magnetic nanoscale on the methyl violet 2B removal efficiency of the activated carbon oak wood, Foroutan, R., Mohammadi, R., Ahmadi, A., (...), Babaei, F., **Ramavandi**, B., Chemosphere, 286, 2022,131632.
58. Date seed activated carbon decorated with CaO and Fe3O4 nanoparticles as a reusable sorbent for removal of formaldehyde, Khaleghi, H., Esmaeili, H., Jaafarzadeh, N., **Ramavandi**, B., Korean Journal of Chemical Engineering, 39(1), 2022, 146-160.
59. Monitoring and eco-toxicity effect of paraben-based pollutants in sediments/seawater, north of the Persian Gulf, Arfaeinia, H., Asadgol, Z., **Ramavandi**, B., (...), Asl, F.B., Sahebi, S., Environmental Geochemistry and Health, 2022, inPress.
60. Fuzzy Bow-Tie Analysis: Concepts, Review, and Application, Omidvar, M., Zarei, E., **Ramavandi**, B., Yazdi, M., Studies in Fuzziness and Soft Computing, 414, 2022, pp. 13-51.
61. Application of pier waste sludge for catalytic activation of proxy-monosulfate and phenol elimination from a petrochemical wastewater, Khoshtinat, F., Tabatabaie, T., **Ramavandi**, B., Hashemi, S., Environmental Science and Pollution Research, 2022, In press.
62. Activation of periodate using ultrasonic waves and UV radiation for landfill leachate treatment, Environmental Science and Pollution Research, Moradian, F., **Ramavandi**, B., Jaafarzadeh, N., Kouhgardi, E., Environmental Science and Pollution Research, 2022, In press.
63. Elimination of amoxicillin using zeolite Y-sea salt as a good catalyst for activation of hydrogen peroxide: Investigating degradation pathway and the effect of wastewater chemistry, Jalali, S., Ardjmand, M., **Ramavandi**, B., Nosratinia, F., Journal of Environmental Management, 302,2022, 114045.
64. Occurrence of microplastics and phthalate esters in urban runoff: A focus on the Persian Gulf coastline, Hajiouni, S., Mohammadi, A., **Ramavandi**, B., (...), Tekle-Röttering, A., Dobaradaran, S., Science of the Total Environment 806, 2022, 150559.
65. Application of waste chalk/CoFe2O4/K2CO3 composite as a reclaimable catalyst for biodiesel generation from sunflower oil, Foroutan, R., Peighambardoust, S.J., Mohammadi, R., Peighambardoust, S.H., **Ramavandi**, B., Chemosphere 289, 2022,133226.
66. Spatial distribution of BTEX emission and health risk assessment in the ambient air of pars special economic energy zone (PSEEZ) using passive sampling, Ziabari, S.E.H., Tabatabaie, T., Amiri, F., **Ramavandi**, B., Environmental Monitoring and Assessment 194(2), 2022, 118.
67. Application of walnut shell ash/ZnO/K2CO3 as a new composite catalyst for biodiesel generation from Moringa oleifera oil, Peighambardoust, S.J., Mohammadi, R., Peighambardoust, S.H., **Ramavandi**, B. Fuel , 311, 2022,122624

68. A Comparative Study on Air Quality Measurement and Spatial Distribution of Pollutants in Pars Special Economic Energy Zone (PSEEZ), Ziabari, S.E.H., Tabatabaei, T., Amiri, F., **Ramavandi**, B., Pollution 8(3), 2022, 978-994
69. Study of microplastics pollution in sediments and organisms in mangrove forests: A review, Maghsodian, Z., Sanati, A.M., Tahmasebi, S., Shahriari, M.H., Ramavandi, B., Environmental Research 208, 2022, 112725
70. Montmorillonite clay/starch/CoFe2O4 nanocomposite as a superior functional material for uptake of cationic dye molecules from water and wastewater, Ahmadi, A., Foroutan, R., Esmaeili, H., (...), Hemmati, S., **Ramavandi**, B., Materials Chemistry and Physics 284, 2022, 126088.
71. Development of new magnetic adsorbent of walnut shell ash/starch/Fe3O4 for effective copper ions removal: Treatment of groundwater samples, Foroutan, R., Peighambardoust, S.J., Mohammadi, R., Peighambardoust, S.H., **Ramavandi**, B., Chemosphere 296, 2022, 133978.
72. Nickel ions abatement from aqueous solutions and shipbuilding industry wastewater using ZIF-8-chicken beak hydroxyapatite, Foroutan, R., Jamaleddin Peighambardoust, S., Amarzadeh, M., (...), Ahmad, A., **Ramavandi**, B., Journal of Molecular Liquids 356, 2022, 119003.
73. Occurrence and exposure assessment of microplastics in indoor dusts of buildings with different applications in Bushehr and Shiraz cities, Iran, Kashfi, F.S., **Ramavandi**, B., Arfaeinia, H., (...), De-la-Torre, G.E., Dobaradaran, S., Science of the Total Environment 829, 2022, 154651.
74. Cadmium ion removal from aqueous media using banana peel biochar/Fe3O4/ZIF-67, Foroutan, R., Peighambardoust, S.J., Mohammadi, R., Peighambardoust, S.H., **Ramavandi**, B., Environmental Research 211, 2022, 113020
75. Decontamination of Cd2+ and Pb2+ from aqueous solution using a magnetic nanocomposite of eggshell/starch/Fe3O4, Hosseini, S.S., Hamadi, A., Foroutan, R., Peighambardoust, S.J., **Ramavandi**, B., Journal of Water Process Engineering, 48, 2022, 102911.
76. Generation of biodiesel from edible waste oil using ZIF-67-KOH modified Luffa cylindrica biomass catalyst, Foroutan, R., Peighambardoust, S.J., Mohammadi, R., Peighambardoust, S.H., **Ramavandi**, B., Fuel, 322, 2022, 124181.
77. Surface magnetization of hydrolyzed Luffa Cylindrica biowaste with cobalt ferrite nanoparticles for facile Ni2+ removal from wastewater, Alizadeh, M., Peighambardoust, S.J., Foroutan, R., Azimi, H., **Ramavandi**, B., Environmental Research, 212, 2022, 113242.
78. Health impacts quantification attributed to ambient particulate matter in the nearest Iranian city to the main dust source, Toolabi, A., Bonyadi, Z., **Ramavandi**, B., Environmental Monitoring and Assessment, 194(9), 2022, 666
79. Investigation of microplastic pollution in Torghabeh River sediments, northeast of Iran, Bonyadi, Z., Maghsodian, Z., Zahmatkesh, M., Nasiriara, J., **Ramavandi**, B., Journal of Contaminant Hydrology, 250, 2022, 104064
80. Occurrence and distribution of azithromycin in wastewater treatment plants, seawater, and sediments of the northern part of the Persian Gulf around Bushehr port: A comparison with Pre-COVID 19 pandemic, Farzad Mirzaie, Fatemeh Teymori, **Bahman Ramavandi**, Chemosphere, Volume 307, Part 4, 2022, 135996.
81. Statistical modeling optimization for antibiotics decomposition by ultrasound/electro-Fenton integrated process: Non-carcinogenic risk assessment of drinking water, Amarzadeh, M., Salehizadeh, S., Damavandi, S., **Ramavandi**, **B.**, Shahamat, Y.D., Nasseh, N., Journal of Environmental Management, 2022, 324, 116333.
82. Sono-photocatalytic activity of sea sediment@400/ZnO catalyst to remove cationic dyes from wastewater, Peighambardoust, S.J., Boffito, D.C., Foroutan, R., **Ramavandi**, **B.**, Journal of Molecular Liquids, 2022, 367, 120478.
83. Sono-Photocatalytic Activity of Cloisite 30B/ZnO/Ag_2O Nanocomposite for the Simultaneous Degradation of Crystal Violet and Methylene Blue Dyes in Aqueous Media, Foroutan, R., Peighambardoust, S.J., Boffito, D.C., Ramavandi, B., Nanomaterials, 2022, 12(18), 3103.
84. Chemical contents and toxicity of cigarette butts leachates in aquatic environment: A case study from the Persian Gulf region, Soleimani, F., Dobaradaran, S., Vazirizadeh, A., **Ramavandi, B.,** Maryamabadi, A., Kordrostami, Z., Chemosphere, 2023, 311, 137049.
85. Occurrence and Distribution of Antibiotics in the Water, Sediment, and Biota of Freshwater and Marine Environments: A Review, Maghsodian, Z., Sanati, A.M., Mashifana, T., ...Nhat, T., **Ramavandi, B.**, Antibiotics, 2022, 11(11), 1461.
86. Co-occurrence of microplastics and organic/ inorganic contaminants in organisms living in aquatic ecosystems: A review, Khoshmanesh, M., Sanati, A.M., **Ramavandi, B*.** Marine Pollution Bulletin. *Article accepted* for publication.

CONFERENCES

- Kinetics of reductive denitrification by zero-valent magnesium powder, IAHR, International Groundwater Symposium, Istanbul, 2005.
- Chemical nitrate water removal by Mg/Cu bimetallic particles, International Environmental technology and ecology conference, Thailand, 2011.
- Potential of Garden Waste for Adsorption of Free Cyanide from Wastewater, IWA 6th eastern European young water professionals conference, Istanbul Turkey, 2014.

- Investigating the presence of microplastics in the coastal areas of Bushehr, The second national conference on the sustainable development of the Persian Gulf: environment on coastal areas, Persian Gulf University, Bushehr, Iran, 2022.

TEACHING EXPERIENCES

- **Undergraduate**: Water treatment, Industrial wastewater treatment, Air pollution, Water supply
- **MSc Students**: Water treatment plant design
- **PhD students:** Environmental and Health, Wastewater reuse, New technologies for water treatment

SKILLS

- Highly developed written and verbal communication and team work skills
- HSE management systems
- HACCP
- Proficient in working with analytical instruments such as Atomic Absorption and Scanning Electron Microscopy (SEM)
- Software usage and programming: EPANET2, Excel, and SPSS
- Languages: Persian (native) and English (fluent)

Editorial Board of Journal

- **Data in Brief**, Elsevier publication, 2014-2021
- **Water** (MDPI publication, 2022, Guest editor, https://www.mdpi.com/journal/water/special_issues/NW9CS6DRMZ)

Awards and honors

- Top researcher based on Stanford University standards, 2020
- Top researcher based on Stanford University standards, 2021