

## Curri`culum Vitae

**Full name with family name underlined:** Afshin Maleki

**Academic Rank:** Professor

**School:** Health

**Department:** Environmental Health Engineering

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

**Birthdate and place:** 21-05-1968 , Ghorveh

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### **Awards:**

- Best researcher in Kurdistan University of Medical Sciences during 2016
- Best researcher in Kurdistan University of Medical Sciences during 2015
- Best researcher in Kurdistan University of Medical Sciences during 2014
- Best researcher in Kurdistan University of Medical Sciences during 2013
- Best researcher in Kurdistan University of Medical Sciences during 2011.
- Exemplar lecturer in Kurdistan University of Medical Sciences during 2010.
- Best researcher in Kurdistan University of Medical Sciences during 2009.
- Best researcher in Kurdistan University of Medical Sciences during 2008.
- Exemplar lecturer in Kurdistan University of Medical Sciences during 2008.
- Best researcher in Kurdistan University of Medical Sciences during 2007.
- Best researcher in school of Health, Kurdistan University of Medical Sciences during 2006.

### **Education:**

**Ph.D.** in Environmental Health Engineering, Tehran University of Medical Sciences, Tehran, Iran. 2006.

**M.Sc.** in Environmental Health Engineering, Tehran University of Medical Sciences, Tehran, Iran. 1996.

**B.Sc.** in Environmental Health, Tehran University of Medical Sciences, Tehran, Iran. 1994.

### **Positions Held**

- Professor, Department of Environmental Health Engineering, School of Health, Kurdistan University of Medical Sciences, 2014.
- Associate Professor, Department of Environmental Health Engineering, School of Health, Kurdistan University of Medical Sciences, 2010.
- Assistant Professor, Department of Environmental Health Engineering, School of Health, Kurdistan University of Medical Sciences, 2006-2010
- Head of Department of Environmental Health Engineering, School of Health, Kurdistan University of Medical Sciences, 2006- 2016.
- Dean of School of Health, Kurdistan University of Medical Sciences, 2006- present.
- Dean of Environmental Health Research Center, Kurdistan University of Medical Sciences, 2010- present.
- Lecturer, Department of Environmental Health Engineering, School of Health, Kurdistan University of Medical Sciences, 1996-2006.

### **Experiences:**

#### **Teaching:**

Different undergraduate and graduate courses in B.Sc., M.Sc and Ph.D. Such as:

Water Treatment, Air Pollution Control, Wastewater Collection Systems, Environmental Impact Assessment, ...

#### **Research:**

Supervision of 25 MSc. and 6 Ph.D. theses in Environmental Health Engineering, all of them in Water and Wastewater Engineering Subjects and pollution control.

Several other research projects in Environmental pollution control and monitoring

## Research Interests

- Environmental pollution control and monitoring
- Waste treatment
- Adsorption
- AOPs
- Nanotechnology

## Sabbatical and courses:

- 1- Environmental-Friendly Technologies for Solid Waste Treatment, Tomas Bata University, Zlin, **Czech**, 2017.
- 2- Green Wastewater Treatment using Novel Nanomaterials, Catholic Kwandong University, Seoul, **South Korea**, 2018.
- 3- Green Wastewater Treatment, Practical, Catholic Kwandong University, Seoul, **South Korea**, 2019.

## Journal Papers:

### A. English Publication

154. Ebrahimi, R., Hossienzadeh, K., **Maleki, A.**, Ghanbari, R., Rezaee, R., Safari, M., Shahmoradi, B., Daraei, H., Jafari, A., Yetilmezsoy, K. and Puttaiah, S.H., 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 Environmental Health Science and Engineering*. 2019;17(1): 479-492.
153. Bahmani, P., **Maleki, A.**, Rezaee, R., Mahvi, A.H., Khamforoush, M., Athar, S.D., Daraei, H., Gharibi, F. and McKay, G. Arsenate removal from aqueous solutions using micellar-enhanced ultrafiltration. *Journal of Environmental Health Science and Engineering*, 2019; 17(1), pp. 115-127.
152. Ebrahimi, R., Mohammadi, M., **Maleki, A.**, Jafari, A., Shahmoradi, B., Rezaee, R., Safari, M., Daraei, H., Giahi, O., Yetilmezsoy, K. and Puttaiah, S.H., Photocatalytic Degradation of 2, 4-Dichlorophenoxyacetic Acid in Aqueous Solution Using Mn-doped ZnO/Graphene Nanocomposite Under LED Radiation. *Journal of Inorganic and Organometallic Polymers and Materials*, 2019. pp.1-12. Inpress.
151. Bahmani, P., **Maleki, A.**, Daraei, H., Rezaee, R., Khamforoush, M., Athar, S.D., Gharibi, F., Ziaee, A.H. and McKay, G., Application of modified electrospun nanofiber membranes with  $\alpha\text{-Fe}_2\text{O}_3$  nanoparticles in arsenate removal from aqueous media. *Environmental Science and Pollution Research*, 2019; 26(21): 21993-22009.

151. Mohammadiazar, S., Amini, N., Keyvan, K., **Maleki, A.** Construction of titanium oxide nanoparticle/poly alizarin yellow R/Chitosan nanocomposite: Application to enhance electrochemical determination of environmentally pollutant hydrazine. *Analytical and Bioanalytical Electrochemistry*. 2019; 11(7): 985-995.
150. Hossienzadeh, K., **Maleki, A.**, Daraei, H., Safari, M., Pawar, R. and Lee, S.M., Sonocatalytic and photocatalytic efficiency of transition metal-doped ZnO nanoparticles in the removal of organic dyes from aquatic environments. *Korean Journal of Chemical Engineering*, 2019; 36(8), 1360-1370.
149. Maki, L.K., **Maleki, A.**, Rezaee, R., Daraei, H. and Yetilmezsoy, K., LED-activated immobilized Fe-Ce-N tri-doped TiO<sub>2</sub> nanocatalyst on glass bed for photocatalytic degradation organic dye from aqueous solutions. *Environmental Technology & Innovation*, 2019; 15,100411.
148. Dehestaniathar S, Abolmohammadib P, Safay M, Jonidi N, **Maleki A**, Daraei H. Preparation of iron–nitrogen doped titanium dioxide nanoparticles and its application for photocatalytic degradation of phenol under UV and visible light. *Desalination and Water Treatment*, 2019;154: 188–194.
147. Rezaee R, Nasser S, Mahvi AH, Nabizadeh R, Mousavi SA, **Maleki A**, Alimohammadi M, Jafari A, Hemmati Borji S. 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*. 2019; 206(4): 495-508.
146. Kohzadi S, Shahmoradi B, Ghaderi E, Loqmani H, **Maleki A.** Concentration, Source, and Potential Human Health Risk of Heavy Metals in the Commonly Consumed Medicinal Plants. *Biological Trace Element Research*. 2019; 187(1), pp. 41-50.
145. Rashidipour M, Heydari R, **Maleki A**, Mohammadi E, Davari B. Salt-assisted liquid–liquid extraction coupled with reversed-phase dispersive liquid–liquid microextraction for sensitive HPLC determination of paraquat in environmental and food samples. *Journal of Food Measurement and Characterization*. 2019; 13(1): 269-276.
144. Amini N, Gholivand MB, Shamsipur M, Movahedi AA, Farahi S, Habibi-Rezaei M, **Maleki A**, Rezaee R, Naderi K. Fabrication of a glycation induced amyloid nanofibril and polyalizarin yellow R nanobiocomposite: Application for electrocatalytic determination of hydrogen peroxide. *International journal of biological macromolecules*. 2019;. 123: 1297-1304.
143. Rashidipour M, **Maleki A**, Kordi S, Birjandi M, Pajouhi N, Mohammadi E, Heydari R, Rezaee R, Rasoulia B, Davari B. Pectin/Chitosan/Tripolyphosphate Nanoparticles: Efficient Carriers for Reducing Soil Sorption, Cytotoxicity, and Mutagenicity of Paraquat and Enhancing Its Herbicide Activity. *J Agric Food Chem*. 2019; 67(20):5736-5745.
142. Pordel MA, **Maleki A**, Ghanbarib R, Rezaee R, Khamforoush M, Daraei H, Dehestani Athar S, Shahmoradi B, Safari M, Ziaee AH, Lalmunsiama , Lee SM. Evaluation of the effect of electrospun nanofibrous membrane on removal of diazinon from aqueous solutions. *Reactive and Functional Polymers*, 2019; 139: 85–91.
141. Ebrahimi R, **Maleki A**, Zandsalimi Y, Ghanbari R, Shahmoradi B, Rezaee R, Safari M, Joo SW, Daraei H, Harikaranahalli Puttaiah S, Giahi O. Photocatalytic degradation of

- organic dyes using  $\text{WO}_3$ -doped ZnO nanoparticles fixed on a glass surface in aqueous solution. *Journal of Industrial and Engineering Chemistry*, 2019; 73: 297-305.
140. Vakil B, Shahmoradi B, Maleki A, Safari M, Yang JK, Pawar RR, Lee SM. Synthesis of immobilized cerium doped ZnO nanoparticles through the mild hydrothermal approach and their application in the photodegradation of synthetic wastewater. *Journal of Molecular Liquids*, 2019; 280: 230-237.
  139. Pirinejad L, **Maleki A**, Shahmoradi B, Daraei B, Yang JK, Lee SM. Synthesis and application of Fe-N-Cr-TiO<sub>2</sub> nanocatalyst for photocatalytic degradation of Acid Black 1 under LED light irradiation. *Journal of Molecular Liquids*, 2019; 279: 232-240.
  138. Shahmoradi, B, Farahani, F, Kohzadi, S, **Maleki A**, Pordel, M, Zandsalimi, Y, Gong, Y, Yang, J, McKay, G. Lee, S.-M, Yang, J.-K. cation of cadmium-doped ZnO for the solar photocatalytic degradation of phenol. *Water Science and Technology* 79(2), pp. 375-385
  137. Bahmani P, **Maleki A**, Rezaee R, Khamforoush M, Yetilmezsoy K, Dehestani Athar S, Gharibi F. Simultaneous removal of arsenate and nitrate from aqueous solutions using micellar-enhanced ultrafiltration process. *Journal of Water Process Engineering*. 2019; 27: 24-31.
  136. Mohammadi E, Daraei H, Ghanbari R, Athar SD, Zandsalimi Y, Ziaee A, **F**, Yetilmezsoy K. Synthesis of carboxylated chitosan modified with ferromagnetic nanoparticles for adsorptive removal of fluoride, nitrate, and phosphate anions from aqueous solutions. *Journal of Molecular Liquids*. 2019; 273:116-24.
  135. Hasani G, Maleki A, Daraei H, Ghanbari R, Safari M, McKay G, Yetilmezsoy K, Ilhan F, Marzban N. A comparative optimization and performance analysis of four different electrocoagulation-flotation processes for humic acid removal from aqueous solutions. *Process Safety and Environmental Protection*. 2019; 121: 103-117.
  134. Bahmani P, Maleki A, Daraei H, Khamforoush M, Athar SD, Gharibi F. Fabrication and characterization of novel polyacrylonitrile/ $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> ultrafiltration mixed-matrix membranes for nitrate removal from aqueous solutions. *Journal of Molecular Liquids*. 2018; 271:557-70.
  133. Ebrahimi R, Hayati B, Shahmoradi B, Rezaee R, Safari M, Maleki A, Yetilmezsoy K. Adsorptive removal of nickel and lead ions from aqueous solutions by poly (amidoamine)(PAMAM) dendrimers (G4). *Environmental Technology & Innovation*. 2018; 12: 261-272.
  132. Soltani RD, Safari M, Maleki A, Rezaee R, Teymouri P, Hashemi SE, Ghanbari R, Zandsalimi Y. Preparation of Chitosan/Bone Char/ Fe<sub>3</sub> O<sub>4</sub> Nanocomposite for Adsorption of Hexavalent Chromium in Aquatic Environments. *Arabian Journal for Science and Engineering*. 2018: 43:5799-5808.
  131. 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; 763: 997e1004.

130. Maleki A, Nasser S, Aminabad MS, Hadi M. Comparison of ARIMA and NNAR Models for Forecasting Water Treatment Plant's Influent Characteristics. *KSCE Journal of Civil Engineering*. 2018; 22(9):3233-3245.
129. Abedi KA, Ghorbani-Shahna F, Bahrami A, Ebrahimi H, Maleki A, Madjidi F, Musavi S, Mohammadi E, Giahi O. Effect of TiO<sub>2</sub>/GAC and water vapor on chloroform decomposition in a hybrid plasma-catalytic system. *Environmental technology*. 2018; 39(16):2041-50.
128. Hayati B, Maleki A, Najafi F, Gharibi F, McKay G, Gupta VK, Puttaiah SH, Marzban N. Heavy metal adsorption using PAMAM/CNT nanocomposite from aqueous solution in batch and continuous fixed bed systems. *Chemical Engineering Journal*. 2018; 346:258-70.
127. Zandsalimi Y, Shahmoradi B, Dehestani Athar S, Maleki A. Hydrothermal synthesis and characterization of Tungsten-doped ZnO nanoparticles as an environmentally friendly substance. *Journal of Advances in Environmental Health Research*. 2018; 6(3):173-8.
126. Ebrahimi R, Maleki A, Shahmoradi B, Rezaee R, Daraei H, Safari M, Zandsalimi Y, Bahmani P, Harkaranahalli Puttaiah S. Organic dye removal from aqueous media by using acid modified Clinoptilolite. *Journal of Advances in Environmental Health Research*. 2018; 6(2):118-27.
125. Maleki A, Rezaei R, Jafari A, Zandsalimi Y, Bahmani P, Ghahramani E, Karami MA. Data on physicochemical quality of drinking water in the rural area in Divandarreh county, Kurdistan, Iran. *Data in Brief*. 2018; 19:1661-1669.
124. Hasani G, Daraei H, Shahmoradi B, Gharibi F, Maleki A, Yetilmezsoy K, McKay G. A novel ANN approach for modeling of alternating pulse current electrocoagulation-flotation (APC-ECF) process: Humic acid removal from aqueous media. *Process Safety and Environmental Protection*. 2018;117: 111-24.
123. Shafiei L, Taymoori P, Maleki A, Sayehmiri K. Environmental interventions based on the Health Belief Model and the Ecological-social model in the continuation of consumption of rice, free from toxic metals. *Electron Physician*. 2018;10(1):6153-6163.
122. Jebelli MA, Maleki A, Amoozegar MA, Kalantar E, Gharibi F, Darvish N, Tashayoe H. Isolation and identification of the native population bacteria for bioremediation of high levels of arsenic from water resources. *Journal of environmental management*. 2018; 212:39-45.
121. Shahmoradi B, Yavari S, Zandsalimi Y, Shivaraju HP, Negahdari M, Maleki A, McKay G, Pawar RR, Lee SM. Optimization of solar degradation efficiency of bio-composting leachate using Nd: ZnO nanoparticles. *Journal of Photochemistry and Photobiology A: Chemistry*. 2018; 356: 201-11.
120. Shafiei L, Taymoori P, Maleki A, Sayehmiri K. The effect of educational intervention based on an Ecological-social model on consuming fruit and vegetables in women in Ilam. *Electron Physician*. 2017; 9(12):5954-5959.
119. Ahmadi Jebelli M, Maleki A, Amoozegar MA, Kalantar E, Shahmoradi B. Determination of arsenic concentration and physicochemical characteristics of water samples from

- Babagorgor fountain. *Journal of Advances in Environmental Health Research*. 2017; 5(4): 205-9.
118. Jebelli MA, **Maleki A**, Amoozegar MA, Kalantar E, Shahmoradi B, Gharibi F. Isolation and identification of indigenous prokaryotic bacteria from arsenic-contaminated water resources and their impact on arsenic transformation. *Ecotoxicology and environmental safety*. 2017; 140:170-176.
  117. Shahmoradi B, Pordel MA, Pirsaeheb M, **Maleki A**, Kohzadi S, Gong Y, Paware RR, Lee S-M, Shivaraju H.P, McKay G. Synthesis and characterization of barium-doped TiO<sub>2</sub> nanocrystals for photocatalytic degradation of Acid Red 18 under solar irradiation. *Desalination and Water Treatment*. 2017; 88: 200–206.
  116. **Maleki A**, Daraei H, Amini N. Electrocatalytic activity of manganese oxide nanosphere immobilized onto deoxyribonucleic acid modified electrode: Application to determine environmental pollutant thiourea at natural pH. *J Colloid Interface Sci*. 2017;504: 579-585.
  115. Hossini H, Darvishi Cheshmeh Soltani R, Safari M, **Maleki A**, Rezaee R, Ghanbari R. The application of a natural chitosan/bone char composite in adsorbing textile dyes from water, *Chemical Engineering Communications*, 2017; 204:9:1082-1093.
  114. Abedi KA, Ghorbani-Shahna F, Bahrami A, Ebrahimi H, **Maleki A**, Madjidi F, Musavi S, Mohammadi E, Giahi O. Effect of TiO<sub>2</sub>/GAC and water vapor on chloroform decomposition in a hybrid plasma-catalytic system. *Environ Technol*. 2017; 18:1-10.
  113. Shafiei L, Taymoori P, **Maleki A**, and Nouri L. Effect of Environmental Intervention on the Consumption of Rice without Toxic Metals Based on the Health Belief Model and Ecological-Social Model. *J Clin Diagn Res*. 2017; 11(7): JC01–JC06.
  112. Rashidi S, Shahmoradi B, **Maleki A**, Sharafi K, Darvishi E. Density assessment and mapping of microorganisms around a biocomposting plant in Sanandaj, Iran. *Environ Monit Assess*. 2017;189(5):233.
  111. Dehestaniathar S, Amini S, **Maleki A**, Shahmoradi B, Reshadmanesh N, Teymouri P. Adsorption of nitrate using diatomite-supported ferric oxide nanoparticles: determination of optimum condition, kinetics, and adsorption isotherms. *Desalination and Water Treatment*. 2017; 65: 418-427.
  110. Tabasideh S, **Maleki A**, Shahmoradi B, Ghahremani E, McKay G. Sonophotocatalytic degradation of diazinon in aqueous solution using iron-doped TiO<sub>2</sub> nanoparticles. *Separation and Purification Technology*, 2017; 189: 186-192.
  109. Bahmani P, **Maleki A**, Sadeghi S, Shahmoradi B, Ghahremani E. Prevalence of Intestinal Protozoa Infections and Associated Risk Factors among Schoolchildren in Sanandaj City, Iran. *Iranian Journal of Parasitology* 2017. 12(1):108-116.
  108. Kohzadi S, Sheikhesmaili F, Rahehagh R, Parhizkar B, Ghaderi E, Loqmani H, Shahmoradi B, Mohammadi E, **Maleki A**. Evaluation of trace element concentration in cancerous and non-cancerous tissues of human stomach. *Chemosphere*. 2017;184:747-752.
  107. Hayati B, **Maleki A**, Najafi F, Daraei H, Gharibi F, McKay G. Super high removal capacities of heavy metals (Pb<sup>2+</sup> and Cu<sup>2+</sup>) using CNT dendrimer. *Journal of Hazardous Materials* 2017; 336: 146–157.

106. Bahmani P, **Maleki A**, Daraei H, Khamforoush M, Rezaee R, Gharibi F, Tkachev AG, Burakov AE, Agarwal S, 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.
105. Darvishi Cheshmeh Soltani R, Safari M, **Maleki A**, Reza Rezaee R, Shahmoradi B, Shahmohammadi S, Ghahramani E. Decontamination of arsenic(V)-contained liquid phase utilizing Fe<sub>3</sub>O<sub>4</sub>/bone char nanocomposite encapsulated in chitosan biopolymer. *Environ Sci Pollut Res* 2017; 24:15157–15166.
104. Hayati B, **Maleki A**, Najafi F, Daraei H, Gharibi F, McKay G. Adsorption of Pb<sup>2+</sup>, Ni<sup>2+</sup>, Cu<sup>2+</sup>, Co<sup>2+</sup> metal ions from aqueous solution by PPI/SiO<sub>2</sub> as new high performance adsorbent: Preparation, characterization, isotherm, kinetic, thermodynamic studies. *Journal of Molecular Liquids* 2017; 237: 428–436.
103. Mansouri B, **Maleki A**, Johari SA, Shahmoradi B, Mohammadi E, Davari B. Histopathological effects of copper oxide nanoparticles on the gill and intestine of common carp (*Cyprinus carpio*) in the presence of titanium dioxide nanoparticles. *Chemistry and Ecology*, 2017; 33(4): 295-308.
102. Ahmadi Jebeli M, **Maleki A**, Amoozegar MA, Kalantar E, Shahmoradi B, Gharibi F. Isolation and identification of indigenous prokaryotic bacteria from arsenic-contaminated water resources and their impact on arsenic transformation. *Ecotoxicology and Environmental Safety* 2017; 140: 170–176.
101. **Maleki A**, Shahmoradi B, Hayati B, Ahmadi Jebeli M, Daraei H, Joo SW. Synthesis of halogenated nanodendrimer as novel antimicrobial agents in water treatment. *Desalination and Water Treatment* 2017; 64: 101–108.
100. Khodaei Z, Kalantar E, Mehrabani M, Darabi P, **Maleki A**. Adherence patterns of diarrheagenic *Escherichia coli* strains isolated from children with gastrointestinal diarrhea and matched controls in a Hep-2 cell adhesion assay. *J Adv Environ Health Res* 2016; 4(3): 142-5.
99. Ezati S, Soury B, **Maleki A**. Evaluation of iron-coated ZSM-5 zeolite for removal of As(III) from aqueous solutions in batch and column systems. *Water Science and Technology: Water Supply* 2017; 17 (1): 10-23.
98. **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.
97. Ahmadi Jebeli M, **Maleki A**, Amoozegar MA, Kalantar E, Izanloo H, Gharibi F. *Bacillus flexus* strain As-12, a new arsenic transformer bacterium isolated from contaminated water resources. *Chemosphere* 2017; 169: 636-641.
96. Jafari A, Rezaee R, Nasseri S, Mahvi AH, Maleki A, Safari M, Behzad 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; 38(11): 1588–1593.
95. Karami S, **Maleki A**, Karimi E, Poormazaheri H, Zandi S, Davari B, Zand Salimi Y, Gharibi F, Kalantar E. Biodegradation of 2,4-dichlorophenoxyacetic acid by bacteria with highly



- antibiotic-resistant pattern isolated from wheat field soils in Kurdistan, Iran. *Environ Monit Assess* 2016; 188:659.
94. Hayati B, **Maleki A**, Najafi F, Daraei H, Gharibi F, McKay G. Synthesis and characterization of PAMAM/CNT nanocomposite as a super-capacity adsorbent for heavy metal (Ni<sup>2+</sup>, Zn<sup>2+</sup>, As<sup>3+</sup>, Co<sup>2+</sup>) removal from wastewater. *Journal of Molecular Liquids* 2016; 224 A: 1032–1040.
  93. Rahmani R, Mansouri B, Azadi NA, Davari B, Johari A, **Maleki A**, Pordel MA. Histopathological alterations in the gill of zebrafish (*Danio rerio*) exposed to Cr and Ba doped TiO<sub>2</sub> nanoparticles. *AACL Bioflux*; 2016; 9(4): 889-900.
  92. **Maleki A**, Hayati B, Najafi F, Gharibi F, Joo SW. Heavy metal adsorption from industrial wastewater by PAMAM/TiO<sub>2</sub> nanohybrid: Preparation, characterization and adsorption studies. *Journal of Molecular Liquids* 2016; 224: 95–104.
  91. Nouri A, Shahmoradi B, Dehestani-Athar S, **Maleki A**. Effect of temperature on pH, turbidity, and residual free chlorine in Sanandaj Water Distribution Network, Iran. *J Adv Environ Health Res* 2015; 3(3):188-95.
  90. Mansouri B, **Maleki A**, Davari B, Karimi J, Momeneh V. Estimation of target hazard quotients for heavy metals intake through the consumption of fish from Sirvan River in Kermanshah Province, Iran. *J Adv Environ Health Res* 2015; 3(4): 235-41.
  89. Darvishi E, **Maleki A**, Giahhi O, Akbarzadeh A. Subjective Mental Workload and Its Correlation with Musculoskeletal Disorders in Bank Staff. *Journal of Manipulative and Physiological Therapeutics* 2016; 39 (6): 420–426.
  88. Mansouri B, **Maleki A**, Johari SA, Shahmoradi B, Mohammadi E, Shahsavari S, Davari B. Copper Bioaccumulation and Depuration in Common Carp (*Cyprinus carpio*) Following Co-exposure to TiO<sub>2</sub> and CuO Nanoparticles. *Arch Environ Contam Toxicol* 2016; 71:541–552.
  87. **Maleki A**, Abolmohamadi P, Teimouri P, Zandi Sh, Darayi H, Mahvi AH, Shahsavari S. Effect of brewing time and water hardness on fluoride release from different Iranian teas. *Fluoride* 2016; 49: 263-273.
  86. **Maleki A**, Safari M, Rezaee R, Darvishi R, 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.
  85. Mansouri B, **Maleki A**, Davari B, Johari SA, Shahmoradi B, Mohammadi E, Shahsavari S. Histopathological effects following short-term coexposure of *Cyprinus carpio* to nanoparticles of TiO<sub>2</sub> and CuO. *Environ Monit Assess* 2016; 188 (575): 1-12.
  84. Hayati B, Arami M, **Maleki A**, Pajootan E. Application of dendrimer/titania nano-hybrid for the removal of phenol from contaminated wastewater. *Desalination and Water Treatment* 2016; 57: 6809-6819.
  83. Amini Sh, Rezaee R, Jafari A, **Maleki A**. Evaluation of corrosion and scaling potential of drinking water supply sources of Marivan villages, Iran. *J Adv Environ Health Res* 2015; 3(3): 172-8.

82. Bahmani P, **Maleki A**, Mahvi AH, Daraei H, Ghahremani E, Naghipour-Khalkhaliani D. Spatial distribution of fluoride in groundwater resources in selected parts of Kurdistan Province, Iran, using the geographical information system. *J Adv Environ Health Res* 2015; 3(2): 71-7.
81. Naghizade Asl M, Mohammadi MN, 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: 25278–25287.
80. **Maleki A**, Daraei H, Mohammadi E, Zandi Sh, Teymouri P, Mahvi AH, Gharibi F. Daily Fluoride Intake from Iranian Green Tea: Evaluation of Various Flavorings on Fluoride Release. *Environmental Health Insights* 2016;10: 59–63.
79. Balarak D, Mahdavi Y, **Maleki A**, Daraei H, Sadeghi Sh. Studies on the removal of Amoxicillin by Single Walled Carbon Nanotubes. *British Journal of Pharmaceutical Research* 2016; 10(4): 1-9.
78. Salehi K, Daraei H, Teymouri P, Shahmoradi B, **Maleki A**. Cu-doped ZnO nanoparticle for removal of reactive black 5: application of artificial neural networks and multiple linear regression for modeling and optimization. *Desalination and Water Treatment* 2016; 57 (46): 22074–22080.
77. Daraei H, **Maleki A**, Mahvi AH, 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.
76. Hosseini G, **Maleki A**, Daraei H, Faez E, Shahamat YD. Electrochemical Process for Diazinon Removal from Aqueous Media: Design of Experiments, Optimization, and DLLME-GC-FID Method for Diazinon Determination. *Arabian Journal for Science and Engineering* 40 (11), 3041-3046.
75. Yavari S, Mahmodi NM, Teymouri P, Shahmoradi B, **Maleki A**. Cobalt ferrite nanoparticles: Preparation, characterization and anionic dye removal capability. *Journal of the Taiwan Institute of Chemical Engineers* 2016; 59: 320–329.
74. Hosseini G, Teymouri P, Shahmoradi B, **Maleki A**. Determination of the Concentration and Composition of PM10 during the Middle Eastern Dust Storms in Sanandaj, Iran. *J Res Health Sci*. 2015;15(3): 182-188.
73. Ahmadi Jebelli M, Kalantar E, **Maleki A**, Izanloo H, Gharibi F, Daraei H, Hayati B, Ghasemi E, Azari A. Antimicrobial Activities of the Polypropylene Imine Dendrimer Against Bacteria Isolated From Rural Water Resources. *Jundishapur Journal of Natural Pharmaceutical Products* 2015; 10(3): e20621.
72. Mansouri B, **Maleki A**, Johari S.A. Reshahmanish N., Effects of cobalt oxide nanoparticles and cobalt ions on gill histopathology of zebrafish (*Danio rerio*). *AACL Bioflux\_2015*; 8(3): 438-444.
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### C. Conference Papers:

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