




# Hooshyar Hossini, Ph.D.

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## Professional Experience

2024-present	International Vice-Chancellor of the Faculty of Health, KUMS
2016-present	Head of Health School laboratories, KUMS
2021-2024	Head of KUMS' Journals office
2020-present	Associate Professor of Environmental Health Engineering, KUMS
2015-2020	Assistant Professor of Environmental Health Engineering, KUMS
2016-2019	Head of Students Research Committee, Health School, KUMS
2012-2015	Graduate Research Assistant, Tarbiat Modares University

## Biography


*Hooshyar Hossini* is Associate Professor in the department of Environmental Health Engineering at the Kermanshah University of Medical sciences (KUMS), where he focuses on environmental science fields include; Environmental toxicology, water and wastewater, environmental biotechnology, environmental modeling, solid waste management, environmental microbiology, water recourse management, etc. At present he conducts several MS and PhD students on the field of Microplastics pollutions in water and sediments, fishes and animals' feeds, as well as, bioleaching of heavy metals by fungal and *Acidithiobacillus* bacteria. He published more than 100 peer-reviewed articles, 4 books, one patent and several papers in national and international conferences. At present he is a member of editorial of several international journals, reviewer and associate editor of Journal of Health reports and technology.


## Education


Ph.D. in Environmental Health Engineering, 2015, Tarbiat Modares University, Tehran, Iran.  
MSc in Environmental Health Engineering, 2012, Tarbiat Modares University, Tehran, Iran.  
BSc in Environmental Health Engineering, 2009, Shahid Beheshti University of Medical Sciences, Tehran, Iran



## Teaching Background

2015-present	Water and wastewater engineering and design
2018-present	Environmental chemistry and microbiology/biotechnology
2020-present	Solid/Hazardous waste management

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### Research Interests:

Conventional and Emerging pollutant (Microplastics)  
Advanced Oxidation Treatment  
Electrochemical systems  
Environmental microbiology and Biotechnology  
Biological, Ecological and human Risk assessment  
Adsorption  
Life cycle assessment

### Selected Peer Reviewed Journal Articles

- A review on nano-antimicrobials: metal nanoparticles, methods and mechanisms, E Hoseinzadeh, P Makhdoumi, P Taha, H Hossini, J Stelling, ... *Current drug metabolism* 18 (2), 120-128 2017
  - Review of microplastic occurrence and toxicological effects in marine environment: Experimental evidence of inflammation. M Pirsaeheb, H Hossini, P Makhdoumi, *Process Safety and Environmental Protection* 142, 1-14 2020
  - Occurrence of microplastic particles in the most popular Iranian bottled mineral water brands and an assessment of human exposure, P Makhdoumi, AA Amin, H Karimi, M Pirsaeheb, H Kim, H Hossini, *Journal of water process engineering* 39, 101708 2021
  - A comprehensive review on human health effects of chromium: Insights on induced toxicity, H Hossini, B Shafie, AD Niri, M Nazari, AJ Esfahlan, M Ahmadpour, ... *Environmental Science and Pollution Research* 29 (47), 70686-70705 2022
  - Degradation of crystal violet (CV) from aqueous solutions using ozone, peroxone, electroperoxone, and electrolysis processes: a comparison study, M Abdi, M Balagabri, H Karimi, H Hossini, SO Rastegar, *Applied Water Science* 10 (7), 1-10 2020
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