

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
 2015-2020
 2016-2019
 2012-2015
 Assistant Professor of Environmental Health Engineering, KUMS
 Head of Students Research Committee, Health School, KUMS
 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.

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Ph.D. in Environmental Health Engineering, 2015, Tarbiat Modares University,

Tehran, Iran.

MSc in Environmental Health Engineering, 2012, Tarbiat Modares University, Tehran,

BSc in Environmental Health Engineering, 2009, Shahid Beheshti University of Medical Sciences, Tehran, Iran

Teaching Background

Education

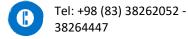
2015-present Water and wastewater engineering and design

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 Pirsaheb, H Hossini, P Makhdoumi, Process Safety and Environmental Protection 142, 1-14
- 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 Pirsaheb, 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
- 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