



# Masoud Moradi, Ph.D.

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## Professional Experience

2023-present Head of RCDH, KUMS

2021-2023 Vice President for Research of Research Center for Environmental Determinants of Health (RCDH), KUMS

2018-present Assistant Professor of Environmental Health Engineering, KUMS

## Biography

*Masoud Moradi* is an Assistant Professor at the Research Center for Environmental Determinants of Health (RCDH) at the Kermanshah University of Medical Sciences (KUMS), where he focuses on environmental science fields including; water and wastewater treatment, Advanced Oxidation Processes (AOPs), Environmental toxicology, pollutant monitoring, and biomonitoring, etc. Currently, he conducts several NIMAD projects in the field of AOPs. He published more than 115 peer-reviewed articles, 12 books, 2 patents, and several papers at national and international conferences. As well as he is also a reviewer of several international journals.

## Education


Ph.D. in Environmental Health Engineering, 2016, Iran University of Medical Sciences (IUMS), Tehran, Iran.

MSc in Environmental Health Engineering, 2013, Kermanshah University of Medical Sciences (KUMS), Kermanshah, Iran.

BSc in Environmental Health Engineering, 2009, Kermanshah University of Medical Sciences (KUMS), Kermanshah, Iran.

## Teaching Background

2020-2022 Environmental Engineering 1 & 2

 Research Center for Environmental Determinants of Health (RCDH) Kermanshah, Iran Isar Sq., across from Farabi Hospital  
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<https://scholar.google.com/citations?user=Nlv9pmMAAAAJ&hl=en&oi=ao>



<https://www.scopus.com/authid/detail.uri?authorId=56506570100>





### Research Interests:

Emerging pollutant (antibiotics, hormones, etc) removal  
Advanced Oxidation processes  
Biological, Ecological and human Risk assessment  
Adsorption

### Selected Peer Reviewed Journal Articles

- Chalcopyrite as an oxidants activator for organic pollutant remediation: A review of mechanisms, parameters, and future perspectives. Rostami-Javanroudi S, Fattahi N, Arfaeinia H, **Moradi M.** Heliyon. Sep 9, 2023
  - Analysis of organic pollution impact on purification capacity at the Tanjero River in Sulaimani City. Rasheed FA, **Moradi M.** Paddy and Water Environment. 2024
  - Carbon quantum dots decorated Ag/CuFe<sub>2</sub>O<sub>4</sub> for persulfate-assisted visible light photocatalytic degradation of tetracycline: A comparative study. Amiri R, Rezaei A, Fattahi N, Pirsaeheb M, Rodríguez-Chueca J, **Moradi M.** Journal of Water Process Engineering. 2022 Jun 1;47:102742
  - Alavi M, **Moradi M.** Different antibacterial and photocatalyst functions for herbal and bacterial synthesized silver and copper/copper oxide nanoparticles/nanocomposites: A review. Inorganic Chemistry Communications. 2022 Aug 1;142:109590
  - Visible-light-driven photocatalytic inactivation of Escherichia coli by titanium dioxide anchored on natural pyrite. Inorganic Chemistry Communications. **Moradi M,** Naderi A, Bahari N, Harati M, Rodríguez-Chueca J, Kalantary RR. 2022 Oct 1;144:109913.
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