Mohammad Zabihi

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Education

2010-2015	PhD	Chemical engineering	Sharif University of Technology, Tehran, Iran.

Projects

Study and research Opportunity	2022-2023	Design and synthesis of the low cost adsorbents for the removal of fluoride ions from wastewater	Water and wastewater treatment Company, Qazvin, Iran.
Main researcher	2022-2023	Modeling, simulation and optimization of the cooling tower of Tabriz oil refinery by using CFD	Tabriz oil refinery, Tabriz, Iran.
Project leader	2023-Now	Competitive adsorption of Pb and Cd ions in the wastewater of the gas refineries by fixed bed column	National Iranian Gas Company, Tehran, Iran.
Project leader	2022-2023	Design and implementation of the adsorption fixed bed column for the removal of arsenic ions from drinking water	Water and wastewater treatment Company, Qazvin, Iran.
Project leader	2021-2022	Establishing an environmental laboratory for Pars Hoor Company	Pars Hoor Company, Tehran, Iran.
Main researcher	2019-2020	Design and synthesis of low cost adsorbents for the removal of BTX from the aqueous solutions	Bandar Imam Petrochemical Company (BIPC)
Researcher	2007-2008	Design and synthesis of low cost adsorbents for the removal of the heavy metal ions from the aqueous solutions	Water and wastewater treatment Company, Mashhad, Iran.

Supervisor of dissertations	***B.SC.***	***M.Sc.***	***PhD***
	8	26	2

Positions

Chairman of the Board	2015-2020	Petro-Energy-Sazan-Pars Company	Tehran, Iran.
Manager	2019-2021	relationship between university and Industrial organizations	SUT, Tabriz, Iran.
Manager	2018-2019	Clinic of wastewater and water treatment	SUT, Tabriz, Iran.
consultant	2016-2019	Chemical Engineering Students Association (CESA)	SUT, Tabriz, Iran.
Manager	2015-Now	Fluid mechanics lab	SUT, Tabriz, Iran.
Manager	2023-Now	Technology, entrepreneurship and innovation	SUT, Tabriz, Iran.
Assistant Prof.	2015-2019	Chemical engineering department	SUT, Tabriz, Iran.
Associate Prof.	2019-Now	Chemical engineering department	SUT, Tabriz, Iran.

Teaching experience

B.Sc.	Fluid Mechanics	Matlab software	Numerical methods
M.Sc.	Advanced Mathematics	Computational fluid dynamics	Modeling and simulation for environmental engineer
PhD	Design of experiment	Artificial intelligence (ANN, GA, ANFIS, SVM, GPR)	

Software

Matlab Ansys Gambit Piping Pipenet Phast

Scientific focus areas

Adsorption Catalytic oxidation Hydrogen generation Modeling and simulation Artificial intelligence

Patents

Novel adsorbent derived from agricultural solid waste for the rapid and effective removal of mercury ions from the aqueous solutions	2008	IR-Patent
Carbonaceous adsorbent derived from walnut shell for the adsorption of Mercury ions	2008	IR-Patent
Novel and efficient adsorbent for competitive adsorption of cobalt, strontium, cadmium and mercury ions	2010	IR-Patent
Design and fabrication of Continuous stirred-tank reactor by employing the supported chitosan on the anodic aluminum for the removal of organic and metal pollutants	2022	IR-Patent
Design and synthesis of the supported biocompatible adsorbent on the anodic aluminum for the removal of anionic pollutants from the aqueous solution	2022	IR-Patent
Synthesis of the supported magnetic polymeric nano-adsorbent for the adsorption of dye and heavy metal ions from the aqueous solutions	2022	IR-Patent

Language

Persian (native) English (fluent) Turkish (elementary)

Publications

https://scholar.google.com/citations?user=SpgTEfMAAAAJ&hl=en

References

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