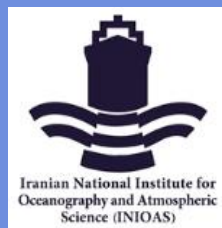


Curriculum Vitae

Dr. Ali Mehdinia



Professor in Chemistry

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Academic Background

- Ph.D in Chemistry, Tarbiat Modares University (TMU), Tehran, Iran
- M.Sc in Analytical Chemistry, Shahid Beheshti University (SBU), Tehran, Iran
- B.Sc in Chemistry, Zanzan University (ZU), Tehran, Iran

Positions & Work Experiences & Memberships

- Faculty Member, Faculty of Ocean Science, Iranian National Institute for Oceanography and Atmospheric Science, Since 2008
- Director of Marine Chemistry Lab., Iranian National Institute for Oceanography and Atmospheric Science, 2009-now
- Director of Marine bioscience group, Iranian National Institute for Oceanography and Atmospheric Science, 2013-2015.
- Head of INIOAS Central Laboratory, Iranian National Institute for Oceanography and Atmospheric Science, 2016 to now.
- Head of Ocean Science Department, Iranian National Institute for Oceanography and Atmospheric Science, 2018 to 2022.
- Deputy of research and education of Iranian National Institute for Oceanography and Atmospheric Science, 2018 to now.

Research Activities

Research Interest

- Environmental Chemistry

Some published papers

- M Esmailzadeh, A Mehdinia, Origin and comprehensive risk assessment of heavy metals in surface sediments along the Caspian Sea, *Marine pollution Bulletin*, 205, 2024, 116587.
- Vahid Aghadadashi, Ali Mehdinia, Mahdie Rezaei, Saeideh Molaei, Mehri Seyed Hashtroudi, Fatemeh Ahmadian, Ali Hamzeshpour, Reza Rahnama, Basin scale monitoring of microplastics and phthalates in sediments from the Persian Gulf and the Gulf of Makran using GIS-based algorithms: Insights towards spatial variation and potential risk assessment, *Science of The Total Environment*, 927, 1 **2024**, 171950.
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- A Mehdinia, F Bateni, DJ Vaighan, NS Fumani, (2021), Occurrence of polychlorinated biphenyl congeners in marine sediment of Makran region, Chabahr bay, Iran, *Marine Pollution Bulletin* 164, 112038.
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- sediments of southern coasts of the Caspian Sea, north of Iran, *Environmental Pollution* 258, 113738.
- Kor, K., Mehdinia, A., (2020) Neustonic microplastic pollution in the Persian Gulf, *Marine Pollution Bulletin*, 150, 110665.
- Aghadadashi, V., Molaei, V., Mehdinia, A., Mohammadi, J., Moeinaddini M, Riyahi Bakhtiari, A.R., (2019) Using GIS, geostatistics and Fuzzy logic to study spatial structure of sedimentary total PAHs and potential eco-risks; An Eastern Persian Gulf case Study, *Marine Pollution Bulletin* 149 (2019) 110489
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US patents

- Mehdinia, A., Bahrebar, S., (2019) Carbon Nanotube based microbial fuel cells and methods for generating an electric current, Patent No. US 10, 396, 387, B2, Date 27 Aug 2019.
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Book Chapters

- Mehdinia, A., Aziz Zanjani M.O., (2015) Solid-Phase Microextraction, Book Chapter, Analytical Separation Science, First Edition. Edited by Jared L. Anderson, Alain Berthod, Verónica Pino Estévez, and Apryll M. Stalcup. 2015 Wiley-VCH
- Mehdinia, A., Mehrabi, H. (2019) Application of nanomaterials for removal of environmental pollution, Book Chapter, Industrial Application of nanomaterials, Paperback ISBN: 9780128157497, Editors: Sabu Thomas Yves Grohens Yasir Beeran Pottathara, Elsevier.
- Mehdinia, A., Rostami, S., (2020), Green Synthesis of Plasmonic Metal Nanoparticles and Their Application as Environmental Sensors, Book Chapter, Nano sensor Technologies for Environmental Monitoring, Inamuddin • Abdullah M. Asiri Editors, Springer.