

Tarbiat Modares University

PhD in Environmental Geochemistry

Professor: Alireza Riyahi Bakhtiari

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Research interesting

Chemical fingerprinting of oil and tar ball Hydrocarbons

Hazardous Chemicals

Marine plastics

Plastic resin pellets

Microplastics

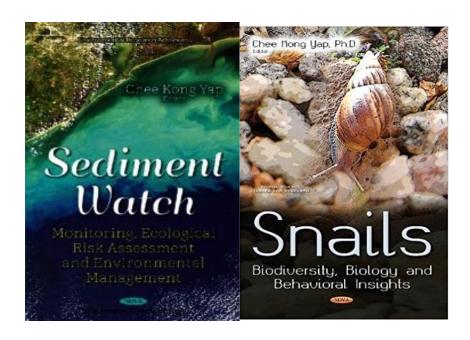
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Research Projects

- 1. Study, Monitoring and Management of Marine Plastic Debris and Pollutants Reduction in the South Coast of Caspian Sea (Guilan Provience).
- 2. Oil Pollution Mapping and Chemical Fingerprinting using Oil Biomarkers in the Northern Costal of the Boosher Province-Persian Gulf.
- 3. Monitoring of PAHs, *n*-alkanes, Hopanes and Stranes using plastic Resin Pellets and Surface Sediment in the Coastal area of Caspian Sea.
- 4. Spatial Distribution of PAHs and *n*-alkanes based on Concentration and Source in Surface Sediments from Shadegan Wetland, Khuzestan Province.
- 5. Study, Monitoring and Management of Marine Plastic Debris and Pollutants Reduction in the South Coast of Caspian Sea (Mazandaran and Golestan Provinces).
- 6. Bioavailability of Cd, Pb, Zn, and Cu pollution in Soft Tissues and Shell of *Saccostrea cucullata* collected from the Coast of Qeshm Island, Persian Gulf, Iran

Chapters in Books

- 1- Sediment Watch: Monitoring, Ecological Risk Assessment and Environmental Management
- 2- Snails: Biodiversity, Biology and Behavioral Insights (Animal Science, Issues and Research)



Articles:

TI	<u>rle</u>	CITED BY	YEAR
	Seasonal and spatial variations in atmospheric PM2. 5-bound PAHs in Karaj city, Iran: sources, distributions, and health risks	202	1
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Environmental Science & Technology

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