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**EDUCATION:**

1999 – 2003 BSc. Student of Fisheries, Faculty of Natural Resources, Isfahan University of Technology, Isfahan, I.R.IRAN.

2004 – 2006 MSc. Student of Fisheries, Faculty of Marine Natural Resources, Korramshahr University of Marine Sciences and Technology, Korramshahr, I.R.IRAN.

2007-2011 PhD Student of Marine Biology, Faculty of Marine Sciences, Korramshahr University of Marine Sciences and Technology, Korramshahr, I.R.IRAN.

2011 Invited research scholar at CRIAcq, University of Federico II (Italy), and 2013 Stockholm University (Sweden).

**RESEARCH INTEREST:**

Main area of research: Aquatic Toxicology, Marine Pollution

Second area of research: Marine Biology, Marine Ecology, Marine Environment

**PUBLICATION:**

1. Zargari, A., Mazandarani, M., Safari, R., Hosseinifar, S., **Hedayati**, A. **2024**. Modulation of toxic effects of ammonia on growth, pathology of liver and kidney tissues and relative expression of GH and IGF‑1 Genes by CoQ10 Supplementation in Oncorhynchus mykiss. Fish Physiology and Biochemistry. https://doi.org/10.1007/s10695-024-01365-y
2. Sadeghi, S. Mousavi-Sabet, H. **Hedayati**, A. Zargari. A. Multisanti, CR. Faggio, C. **2024**. Copper-oxide nanoparticles effects on goldfish: Lethal toxicity, haematological, and biochemical effects. Veterinary Research Communications. <https://doi.org/10.1007/s11259-024-10338-8>
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5. **Hedayati**, A., Pirali Zefrehei, A.R. and Sahraei, H., **2023**. Ecological environment monitoring for sustainable development goals in Gomishan international wetland, Gorgan Bay, Caspian Sea. Environmental Science and Pollution Research, 10.1007/s11356-023-25852-6
6. Bagheri, T., Misaghi, A., MirGhaed, A.T., Kamkar, A., **Hedayati**, A. and Akbarein, H., **2023**. Health risk assessment of some heavy metals detected in edible fishes of Gorgan Bay, Caspian Sea (Iran), for human. Environmental Science and Pollution Research, <https://doi.org/10.1007/s11356-022-25082-2>.
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8. Mehdipour, N., Hosseini, S.A., **Hedayati**, A., Zolfaghari, M. and Kordi, H., **2023**. Determination of suitable compatible microalgae for bioremediation of effluent from desalination facilities. Biomass Conversion and Biorefinery, pp.1-12.
9. Zamani, W., Rastgar, S. and **Hedayati**, A., **2023**. Capability of TiO2 and Fe3O4 nanoparticles loaded onto Algae as a novel bio-magnetic photocatalyst to degration of Red195 dye in the sonophotocatalytic treatment process under ultrasonic/UVA irradiation. Scientific Reports, 13(1), p.18182.
10. Zargari, A., Nejatian, M., Abbaszadeh, S., Jahanbin, K., Bagheri, T., **Hedayati**, A. and Sheykhi, M., **2023**. Modulation of toxicity effects of CuSO4 by sulfated polysaccharides extracted from brown algae in Danio rerio as a model. Scientific Reports, 13(1), p.11429.
11. Ghodrati, F., Ghorbani, R., Agh, N., **Hedayati**, A., Naddafi, R., Jalali, A. and Shiroudmirzaei, F., **2022**. Assessing nitrogen dynamics model and the role of artificial lagoon in effluent loading of shrimp farms in Gomishan wetland, southern Caspian Sea. Scientific Reports, 12(1), p.22358.
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13. Ghaffarifarsani, H. **Hedayati**, A. Yousefi, M. Hoseinifar, S. Yarahmadi, P. Mahmoudi, S. Hoan, H. **2022**. Toxic and bioaccumulative effects of zinc nanoparticle exposure to goldfish. Drug and Chemical Toxicology. [10.1080/01480545.2022.2115509](https://doi.org/10.1080/01480545.2022.2115509).
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15. Jafari O, Ebrahimi M, **Hedayati** A, Zeinalabedini M, Poorbagher H. **2022**. Nasrolahpourmoghadam M, Fernandes JMO. Integration of Morphometrics and Machine Learning Enables Accurate Distinction between Wild and Farmed Common Carp. Life. 2022; 12(7):957. https://doi.org/10.3390/life12070957
16. Darabitabar, F., Yavari, V., **Hedayati**, A. Zakeri, M. Youseifi, H. **2022**. Nanocrystalline cellulose based on chitosan hydrogel structure as a biological adsorbent for effluent of fish culture farms. Environ Sci Pollut Res. https://doi.org/10.1007/s11356-022-21343-2
17. Sheikh Veisi, R., **Hedayati**, A., Mazandarani, M., Jafar Nodeh, A. and Bagheri, T., **2022**. Dietary Beet Molasses Improved the Immune System of Common Carp After Exposure to Titanium Oxide Nanoparticles, TiO2-NPs. Bulletin of Environmental Contamination and Toxicology. doi.org/10.1007/s00128-022-03507-5
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20. Houshmand, P. and **Hedayati**, A., **2022**. Dietary Effect of Probiotic and Prebiotic on Some Mucus Indices of Silver Carp Exposed to Silver Nanoparticles. Biological Trace Element Research, pp.1-9.
21. Rezaei, H., Rastegar, S., **Hedayati**, S.A., Shahamat, Y.D. and Sedaghat, O., **2021**. Isothermal and Kinetic Evaluation of Adsorption Fish Farm Effluents by Nanocomposites (Chitosan and Activated Carbon). Journal of Advances in Environmental Health Research. 9(2):129-138.
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**ACADEMIC TEACHING EXPERIENCE:**

**SERVICE AND PEROFESSIONAL MEMBERSHIP:**

Editorial board member of Journal of Coastal Development

Editorial board member of Annals of Aquaculture and Research

Editorial board member of Journal of Biological Diversity

Editorial board member of Journal of Wildlife and Biodiversity (JWB)

**AWARDS:**

The most Elite Youth of Iran - Awarded by National Elite Foundation. Qualified as a Member of Iranian Elites.   
Top graduated student of Korramshahr University of Marine Sciences and Technology.  
Ranked as top student of Faculty of Marine Natural Resources in 2006.  
PhD grant award student by Iranian National Elite Foundation.

Young Assistant Professor award by Iranian National Elite Foundation.  
Honors by Young researchers club by Islamic Azad University.

Honors by student researchers club by Ministry of Science and Technology.

Awarded as the best submitted thesis in the field of marine sciences in Iran.

The only presented MSc. thesis in the faculty by 20 from 20 in 2006.

Honors best MSc. Student in 2006. -Qualified by Korramshahr University of Marine Sciences and Technology.

Honors best student researcher in 2006 and 2009 -Qualified by Korramshahr University of Marine Sciences and Technology.

Awarded by talented student organization of Korramshahr University of Marine Sciences and Technology.

Honors oral presenter of 6th Conference of Marine Sciences and Technology, Nowshahr, Iran.

Honors research project in 8th Research Festival of Ferdowsi, Mashahd, Iran.

Honors patent awarded and qualified by Iranian National Elites Founadtion

**LANGUAGES:**

Persian, English, Italian