

Dr. Moslem Sharifinia



Iran Shrimp Research Center (ISRC)
Department of Marine Ecology; Head of Department
Bushehr, 7516989177, Iran

Email: moslem.sharifinia@yahoo.com

Google Scholar: <https://scholar.google.com/citations?user=FONLw0AAAAJ&hl=en>

Research Gate: https://www.researchgate.net/profile/Moslem_Sharifinia3

ORCID ID: [0000-0003-2969-0036](https://orcid.org/0000-0003-2969-0036)

Research Interests

- Ecology of macrobenthic communities
- Benthic biotic indices
- Effects of anthropogenic disturbance on aquatic life
- Benthic community and costal habitat conservation and restoration
- Taxonomy of Polychaeta
- Taxonomy of Microalgae
- Diatom identification
- Effects of anthropogenic disturbance on aquatic life
- Marine pollutants and their effects on aquatic organisms
- Harmful Algae
- Biofloc Technology
- Shrimp Nutrition, Physiology and Immunology
- Sustainable Aquaculture
- Biofouling

Educational Background

- Ph.D. Marine Biology**, University of Hormozgan, Bandar Abbas, Iran
2013-2017
Thesis "Macrobenthic assemblage distribution modeling and assessment of health/ pollution status of the Persian Gulf and Oman Sea estuaries"
Major Professor / Supervisor: Associate Professor Javid Imanpour Namin and Professor Ehsan Kamrani
- MSc. Aquatic Ecology**, University of Guilan, Rasht, Iran
2009-2012
Thesis "Diversity and density of periphyton assemblage of a tributary of the Masooleh River–Guilan"
Major Professor / Supervisor: Associate Professor Javid Imanpour Namin

Professional Experiences

- 2023-present **Head of Marine Ecology Department**, Iran Shrimp Research Center
- 2020-present **International Affairs Liaison**, Iran Shrimp Research Center
- 2020-present **Technical Manager of Plankton Lab**, Iran Shrimp Research Center
- 2019-present **Member of the Research Council**, Iran Shrimp Research Center
- 2020-2023 **Director of the Aquaculture Department**, Iran Shrimp Research Center
- 2019-2023 **Assistant Professor**, Aquaculture Department, Iran Shrimp Research Center
- 2020 **Member of the scientific and executive committee of the International Crustacean Symposium**, Iran
- 2017-2019 **Research Assistant Professor**, Iranian National Institute for Oceanography and Atmospheric Sciences
- 2011-2013 **Technical Manager**, Clean Nature Explorers Company, Rasht, Iran

Editorial Roles

- 2021-ongoing **Frontiers in Marine Science: Review Editor**
- 2021-ongoing **Frontiers in Animal Science: Review Editor**

Grants and Funding Acquisition

- 2023 IRR 600 million. Iran National Science Foundation (INSF)
- 2021 IRR 500 million. Center for International Scientific Studies and Collaboration (CISSC)
- 2021 IRR 500 million. Sodour Ahrar Shargh Company
- 2019 IRR 180 million. Iran National Science Foundation (INSF)

Recognitions, Honors and Academic Awards

- 2023 The World's top 2% of scientists list in 2023 based on the Composite Index of Stanford University
- 2023 The Frontier of Science Researcher award at the Iranian Fisheries Sciences Institute
- 2023 Distinguished Young Researcher in Basic Sciences, The Academy of Sciences Abu Reyhan Biruni's Award
- 2022 The Frontier of Science Researcher award at the Iranian Fisheries Sciences Institute
- 2021 Top researcher of executive organizations of Bushehr province
- 2017 Outstanding researcher award from Iran's National Elites Foundation
- 2016 Outstanding researcher award from Iran's National Elites Foundation
- 2016 Best Marine Biologist award for conducting international seminars, presentations, supervising the research work, etc., at workplace in University of Hormozgan

Research Projects

*Project leader **Project collaborator

- 2023 *Compilation of Polychaetes atlas of the Iranian waters. Iranian Fisheries Sciences Research Institute Project. (3 years).
- 2023 *Evaluation of the potential of desalination plants discharges as media culture for biomass production of live feed in aquaculture industry. Iran's National Elites Foundation Project (INSF). (3 years).
- 2023 *Ecological impact assessment of desalination plants discharges on benthic and planktonic communities in laboratory and field conditions. Iran's National Elites Foundation Project (INSF). (3 years).
- 2023 **The use of bio-resonance technology in the prevention of white spot virus infection and death caused by this disease in *Litopenaeus vannamei*. Iranian Fisheries Sciences Research Institute Project. (2 years).
- 2023 *The role of dietary improvement in reducing the effect of environmental stress, reducing dissolved oxygen and increasing water temperature in the incidence of red head disorder of western white shrimp (*Litopenaeus vannamei*-Boone1931). Iranian Fisheries Sciences Research Institute Project. (1 year).
- 2023 **Monitoring the harvest status of *Argyrops spinifer*, *Otolithes ruber*, *Sphyræna jello*, *Pomadasys kaakan*, *Lethrinus nebulosus* and *Pampus argenteus* in the Bushehr's water (Persian Gulf) through biometrics. Iranian Fisheries Sciences Research Institute Project. (3 years).

- 2023 **Monitoring the harvest status of *Scomberomorus commerson* and *Scomberomorus guttatus* through biometrics in the Persian Gulf (Bushehr's water). Iranian Fisheries Sciences Research Institute Project. (3 years).
- 2023 **Determining the opening and closing season of green tiger shrimp fishing (*Penaeus semisulcatus*) in the waters of Bushehr province. Iranian Fisheries Sciences Research Institute Project. (2 years).
- 2023 **Qualitative and Quantitative Studying of Microplastics, and Evaluating Bioaccumulation and Bioavailability of Polycyclic Aromatic Hydrocarbons in Sediments and Green Tiger Shrimp (*Penaeus semisulcatus*) in the Shrimp Fishery Grounds of the Bushehr Waters. Iranian Fisheries Sciences Research Institute Project. (2 years).
- 2023 **Investigation of Diets Formulated Based on Plant Protein Source (Corn and Soybean) on Growth Performance and Survival Rate of *Litopenaeus vannamei*. Iranian Fisheries Sciences Research Institute Project. Iranian Fisheries Sciences Research Institute Project. (1 year).
- 2023 **Investigating the growth indexes, culture and breeding of three different populations of Western white shrimp *Litopenaeus vannamei* based on growth trait. Iranian Fisheries Sciences Research Institute Project. (4 years).
- 2022 **Study on variations and correlation of macro-benthic community with commercial demersal fishes of the Persian Gulf and Oman Sea (Iranian waters). Iranian Fisheries Sciences Research Institute Project. (4 years).
- 2022 *Replacement of fishmeal with innovative protein sources (Insects powder) in the diet of *Litopenaeus vannamei*: Effect on growth and survival performance, nutritional efficiency, carcass composition and biochemical responses. Joint research project with Center for International Scientific Studies and Collaboration (CISSC). (2 years).
- 2022 *Effect of Chelate Mineral Supplement on Growth and Survival Performance, Nutritional Efficiency, Carcass Compounds and Biochemical Responses of *Litopenaeus vannamei*. Sodour Ahrar Shargh Company. (2 years).
- 2021 **Comparison of growth rate of horn corals (*Acropora* sp.) in natural environment (Chabahar Bay) and laboratory environment. Iranian National Institute for Oceanography and Atmospheric Sciences. (2 years).
- 2021 *Monitoring of effective factors in the management of shrimp farms in Bushehr province. Iranian Fisheries Sciences Research Institute Project. (2 years).
- 2021 *Mechanization and structure modification in shrimp farms. Iranian Fisheries Sciences Research Institute Project. (2 years).
- 2021 **Determining the opening and closing season of green tiger shrimp fishing (*Penaeus semisulcatus*) in the waters of Bushehr province and evaluating the effects of environmental parameters on its yield fluctuations. Iranian Fisheries Sciences Research Institute Project. (2 year).

- 2020 **The role of native probiotic (Tak cell) in increasing the income of western white shrimp (*Litopenaeus vannamei*) farms in Bushehr province. Iranian Fisheries Sciences Research Institute Project. (1 year).
- 2017 **Investigating the seasonal succession of phytoplankton and benthic algae of Yamchi Dam as an indicator and its relationship with water quality parameters. International Sturgeon Research Institute of Iran. (3 years).

Book and Chapters

- Lavajoo, F., **Sharifinia, M.**, Taherizadeh, M. 2015. Marine ecology with emphasis on aquatic pollution and marine mammals. 165 pp (In Persian).
- Yap, C.K., Edward, F.B., Syazwan, W.M., Azrizal-Wahid, N., Cheng, W.H., Tan, W.S., **Sharifinia, M.**, Bakhtiari, A.R., Mustafa, M., Okamura, H., 2023. Soluble Potentially Toxic Metals (Cu and Pb) in the Different Tissues of Marine Mussel *Perna viridis*: Health Risk Perspectives, in: Kim, S.-K. (Ed.), Marine Biochemistry. CRC Press, pp. 69-80.
- **Sharifinia, M.**, M. Daliri, and E. Kamrani. 2019. Estuaries and coastal zones in the Northern Persian Gulf (Iran).in E. Wolanski and M. Elliott, editors. Coasts and Estuaries: The future. Elsevier. Pages 57-68. Elsevier.
- **Sharifinia, M.**, Kamrani, E., Imanpour Namin, J., Taherizade, M., Yap, CK., Zare, R. 2018. Environmental Management and Monitoring of Sediments in the Persian Gulf. Nova Science Publishers, Inc. 400 Oser Ave Suite 1600. Hauppauge NY 117883619. United States of America.
- **Sharifinia, M.**, Yap, CK. 2017. The marine snails in Iranian waters of the Persian Gulf and Oman Sea. Nova Science Publishers, Inc. 400 Oser Ave Suite 1600. Hauppauge NY 117883619. United States of America. pp 54-90.
- Yap, CK., Cheng, WH., Bintal, A., Hishamuddin, O., Nulit, R., **Sharifinia, M.**, Venkateskumar, K. 2017. Health risk assessment of nickel in the snail, *Nerita lineata*. Nova Science Publishers, Inc. 400 Oser Ave Suite 1600. Hauppauge NY 11788-3619. United States of America. pp 164-182.

Peer-Reviewed Publications

2024

- Khanjani, M.H., Mozanzadeh, M.T., **Sharifinia, M.**, Emerenciano, M.G.C., 2024. Broodstock and seed production in biofloc technology (BFT): an updated review focused on fish and penaeid shrimp. *Aquaculture*, 740278. Q1
- Khanjani, M.H., **Sharifinia, M.**, Emerenciano, M.G.C., 2024. Biofloc Technology (BFT) in Aquaculture: What Goes Right, What Goes Wrong? A Scientific-Based Snapshot. *Aquaculture Nutrition* 2024. Q1

2023

- Khanjani, M.H., **Sharifinia, M.**, Hajirezaee, S. 2023. Biofloc: A sustainable alternative for improving the production of farmed cyprinid species. *Aquaculture Reports* 33, 101748.
- Khanjani, M.H., **Sharifinia, M***, Mohammadi, A.R. 2023. The impact of microplastics on bivalve mollusks: A bibliometric and scientific review. *Marine Pollution Bulletin* 194, 115271. Q1
- **Sharifinia, M***, Bahmanbeigloo, Z.A., Keshavarzifard, M., Khanjani, M.H., Daliri, M., Koochaknejad, E., Jasour, M.S. 2023. Fishmeal replacement by mealworm (*Tenebrio molitor*) in practical diets of *Litopenaeus vannamei*: Effects on growth performance, serum biochemistry, and immune response. *Aquatic Living Resources*. 36, 19. Q3
- Khanjani, M.H., **Sharifinia, M***, Emerenciano, M.G.C., 2023. A detailed look at the impacts of biofloc on immunological and hematological parameters and improving resistance to diseases. *Fish & Shellfish Immunology*, 108796. Q1
- Khanjani, M.H., **Sharifinia, M.**, Hajirezaee, S., 2023. Strategies for promoting sustainable aquaculture in arid and semi-arid areas. *Annals of Animal Science*. Q1
- Yap, C.K., Pang, B.H., Cheng, W.H., Kumar, K., Avtar, R., Okamura, H., Horie, Y., **Sharifinia, M.**, Keshavarzifard, M., Ong, M.C., Naji, A., Ismail, M.S., Tan, W.S., 2023. Heavy Metal Exposures on Freshwater Snail *Pomacea insularum*: Understanding Its Biomonitoring Potentials. *Applied Sciences* 13, 1042. Q2
- **Sharifinia, M***, Bahmanbeigloo, Z.A., Keshavarzifard, M., Khanjani, M.H., Daliri, M., Koochaknejad, E., Jasour, M.S., 2023. The effects of replacing fishmeal by mealworm (*Tenebrio molitor*) on digestive enzymes activity and hepatopancreatic biochemical indices of *Litopenaeus vannamei*, *Annals of Animal Science*, DOI: 10.2478/aoas-2022-0098. Q1
- Khanjani, M.H., Mozanzadeh, M.T., **Sharifinia, M.**, Emerenciano, M.G.C., 2023. Biofloc: A sustainable dietary supplement, nutritional value and functional properties. *Aquaculture* 562, 738757. Q1
- Sharifi, A., Daliri, M., Niroumand, M., Sobhani, S.A.R., **Sharifinia, M.**, 2023. Effects of long-term exposure to amoxicillin residues on stress resistance and body compositions of *Penaeus vannamei*. *Iranian Journal of Health and Environment* 16, 85-96.
- Yap, C.K., Rejab, R.S.B.M., Cheng, W.H., Kumar, K., Zakaly, H.M., Okamura, H., Horie, Y., **Sharifinia, M.**, Keshavarzifard, M., Naji, A., Distributions of Cadmium and Lead Levels in the

Intertidal Clam *Glauconome Virens*: A Biomonitoring Study. *Advanced Materials Letters* 10, 12-14. Q3

2022

- Sharifinia, M*, Keshavarzifard, M., Hosseinkhezri, P., Khanjani, M.H., Yap, C.K., Smith, W.O., Daliri, M., Haghshenas, A., 2022. The impact assessment of desalination plant discharges on heavy metal pollution in the coastal sediments of the Persian Gulf. *Marine Pollution Bulletin* 178, 113599. Q1
- Daliri, M., Martinez-Morcillo, S., Sharifinia, M., Javdan, G., Keshavarzifard, M., 2022. Occurrence and ecological risk assessment of antibiotic residues in urban wastewater discharged into the coastal environment of the Persian Gulf (the case of Bandar Abbas). *Environmental Monitoring and Assessment* 194, 905. Q2
- Sharifi, R., Keshavarzifard, M., Sharifinia, M., Zakaria, M.P., Mehr, M.R., Abbasi, S., Yap, C.K., Yousefi, M.R., Masood, N., Magam, S.M., 2022. Source apportionment and health risk assessment of polycyclic aromatic hydrocarbons (PAHs) in the coastal ecosystem of the Brunei Bay, Brunei. *Marine Pollution Bulletin* 181, 113913. Q1
- Yap, C.K., Tan, W.S., Cheng, W.H., Syazwan, W.M., Azrizal-Wahid, N., Krishnan, K., Go, R., Nulit, R., Ibrahim, M.H., Mustafa, M., Omar, H., Chew, W., Edward, F.B., Okamura, H., Al-Mutairi, K.A., Al-Shami, S.A., Sharifinia, M., Keshavarzifard, M., You, C.F., Bakhtiari, A.R., Bintal, A., Zakaly, H.M.H., Arai, T., Naji, A., Saleem, M., Abd Rahman, M.A., Ong, G.H., Subramaniam, G., Wong, L.S., 2022. Ecological–Health Risk of Antimony and Arsenic in *Centella asiatica*, Topsoils, and Mangrove Sediments: A Case Study of Peninsular Malaysia. *Frontiers in Environmental Science* 10. Q1
- Khanjani, M.H., Sharifinia, M., Hajirezaee, S., 2022. Recent progress towards the application of biofloc technology for tilapia farming. *Aquaculture* 738021. Q1
- Yap, C.K., Yaacob, A., Tan, W.S., Al-Mutairi, K.A., Cheng, W.H., Wong, K.W., Berandah Edward, F., Ismail, M.S., You, C.-F., Chew, W., 2022. Potentially Toxic Metals in the High-Biomass Non-Hyperaccumulating Plant *Amaranthus viridis*: Human Health Risks and Phytoremediation Potentials. *Biology* 11, 389. Q1
- Khanjani, M.H., Sharifinia, M*, 2022. Biofloc technology with addition molasses as carbon sources applied to *Litopenaeus vannamei* juvenile production under the effects of different C/N ratios. *Aquaculture International* 30, 383-397. Q1
- Khanjani, M.H., Ghaedi, G., Sharifinia, M., 2022. Effects of diets containing β -glucan on survival, growth performance, haematological, immunity and biochemical parameters of rainbow trout (*Oncorhynchus mykiss*) fingerlings. *Aquaculture Research* 53, 1842-1850. Q2
- Khanjani, M.H., Sharifinia, M., 2022. Biofloc as a Food Source for Banana Shrimp *Fenneropenaeus merguensis* Postlarvae. *North American Journal of Aquaculture* 84, 469-479. Q2
- Khanjani, M.H., Sharifinia, M., Ghaedi, G., 2022. β -glucan as a promising food additive and immunostimulant in aquaculture industry. *Annals of Animal Science* 22, 817 - 827. Q1
- Yap, C.K., Chew, W., Al-Mutairi, K.A., Nulit, R., Ibrahim, M.H., Wong, K.W., Bakhtiari, A.R., Sharifinia, M., Ismail, M.S., Leong, W.J., Tan, W.S., Cheng, W.H., Okamura, H., You, C.F., Al-Shami, S.A., 2022. Assessments of the Ecological and Health Risks of Potentially Toxic

Metals in the Topsoils of Different Land Uses: A Case Study in Peninsular Malaysia. *Biology* 11, 2. Q1

- Keshavarzifard, M., Zakaria, M.P., **Sharifinia, M.**, Grathwohl, P., Keshavarzifard, S., Sharifi, R., Abbasi, S., Mehr, M.R. 2020. Determination of hydrocarbon sources in major rivers and estuaries of peninsular Malaysia using aliphatic hydrocarbons and hopanes as biomarkers. *Environmental Forensics*, 255 - 268. Q2

2021

- Yap, C.K., Tan, W.S., Wong, K.W., Ong, G.H., Cheng, W.H., Nulit, R., Ibrahim, M.H., Chew, W., Berandah Edward, F., Okamura, H., Al-Mutairi, K.A., Al-Shami, S.A., **Sharifinia, M.**, Mustafa, M., Leong, W.J., You, C.F., 2021. Antioxidant Enzyme Activities as Biomarkers of Cu and Pb Stress in *Centella asiatica*. *Stresses* 1, 253-265. NI
- Yap, C.K., Cheng, W.H., Al-Shami, S.A., Wong, K.W., Al-Mutairi, K.A., 2021. A Commentary on the Use of Bivalve Mollusks in Monitoring Metal Pollution Levels. *International Journal of Environmental Research and Public Health* 18(7), 3386. Q1
- Keshavarzifard, M., Vazirzadeh, A., **Sharifinia, M***, 2021. Occurrence and characterization of microplastics in white shrimp, *Metapenaeus affinis*, living in a habitat highly affected by anthropogenic pressures, northwest Persian Gulf. *Marine Pollution Bulletin* 169, 112581. Q1
- Khanjani, M.H., Alizadeh, M., **Sharifinia, M***, 2021. Effects of different carbon sources on water quality, biofloc quality, and growth performance of Nile tilapia (*Oreochromis niloticus*) fingerlings in a heterotrophic culture system. *Aquaculture International* 29(1), 307-321. Q1
- Khanjani, M.H., **Sharifinia, M.**, 2021. Production of Nile tilapia *Oreochromis niloticus* reared in a limited water exchange system: The effect of different light levels. *Aquaculture* 542, 736912. Q1
- Koochaknejad, E., Ghazilou, A., **Sharifinia, M.**, Ershadifar, H., Kamalodin, K., 2021. Short term temporal variation of mangrove fish assemblage in Chabahar Bay (Oman Sea). *Iranian Journal of Ichthyology* 7(4), 338-351. Q4
- Wong, K.W., Yap, C.K., Yaacob, A., Nulit, R., Omar, H., Aris, A.Z., **Sharifinia, M.**, Bakhtiari, A.R., Al-Shami, S.A., Saleem, M., 2021. Bioaccumulation of zinc in edible tropical vegetables in Peninsular Malaysia and its human health risk assessment based on various ethnicities in Malaysia. *Environmental Science and Pollution Research*, 1-16. Q1
- Yap, C.K., Chew, W., Al-Mutairi, K.A., Al-Shami, S.A., Nulit, R., Ibrahim, M.H., Wong, K.W., Bakhtiari, A.R., **Sharifinia, M.**, Cheng, W.H., 2021a. Invasive Weed *Asystasia gangetica* as a Potential Biomonitor and a Phytoremediator of Potentially Toxic Metals: A Case Study in Peninsular Malaysia. *International Journal of Environmental Research and Public Health* 18(9), 4682. Q1
- Yap, C. K.; Wong, K. W.; Al-Shami, S. A.; Nulit, R.; Cheng, W. H.; Aris, A. Z.; **Sharifinia, M.**; Bakhtiari, A. R.; Okamura, H.; Saleem, M. 2021. Human Health Risk Assessments of Trace Metals on the Clam *Corbicula javanica* in a Tropical River in Peninsular Malaysia. *International Journal of Environmental Research and Public Health* 18, (1), 195. Q1

2020

- Yeganeh, V., **Sharifinia, M***, Mobaraki, S., Dashtiannasab, A., Aeinjamshid, K., Mohajeri Borazjani, J., Maghsoudloo, T. 2020. Survey of survival rate and histological alterations of gills and hepatopancreas of the *Litopenaeus vannamei* juveniles caused by exposure of *Margalefidinium / Cochlodinium polykrikoides* isolated from the Persian Gulf. *Harmful Algae* 97, 101856. Q1
- Khanjani MH, Alizadeh M, **Sharifinia M***. 2020. Rearing of the Pacific white shrimp, *Litopenaeus vannamei* in a biofloc system: The effects of different food sources and salinity levels. *Aquaculture Nutrition* 26: 328-337. Q1
- Khanjani, M., **Sharifinia, M***. 2020. Biofloc technology as a promising tool to improve aquaculture production. *Reviews in Aquaculture* 12, 1836-1850. Q1
- Khanjani, M., **Sharifinia, M.** 2020. Effects of different salinity levels on water quality, growth performance and body composition of Pacific white shrimp (*Litopenaeus vannamei* Boone, 1931) raised in zero exchange heterotrophic system. *Annals of Animal Science*. 20, 1471-1486. Q1
- Keshavarzifard, M., Vazirzadeh, A., **Sharifinia, M***. 2020. Implications of anthropogenic effects on the coastal environment of Northern Persian Gulf, using Jinga shrimp (*Metapenaeus affinis*) as indicator. *Marine Pollution Bulletin* 159, 111463. Q1
- **Sharifinia, M***, Afshari Bahmanbeigloo, Z., Keshavarzifard, M., Khanjani, M., Brett P. Lyons. 2020. Microplastic pollution as a grand challenge in marine research: A closer look at their adverse impacts on the immune and reproductive systems. *Ecotoxicology and Environmental Safety*. 204, 111109. Q1

2019

- **Sharifinia, M***, Afshari Bahmanbeigloo, Z., Walker, S., Yap, CK., Keshavarzifard, M. 2019. Prevention is better than cure: Persian Gulf biodiversity vulnerability to the impacts of desalination plants. *Global Change Biology*. 25(12): 4022-4033. Q1

2018

- **Sharifinia, M.**, Taherizadeh, M., Imanpour Namin, J., Kamrani, E. 2018. Ecological risk assessment of trace metals in the surface sediments of the Persian Gulf and Gulf of Oman: Evidence from subtropical estuaries of the Iranian coastal waters. *Chemosphere*. 191: 485-493. Q1

2017

- **Sharifinia, M***, Adeli, B., Nafarzadegan, AR. 2017. Evaluation of water quality trends in the Maroon River Basin, Iran, from 1990 to 2010 by WQI and multivariate analyses. *Environmental Earth Sciences* 76 (22): 781. Q1

2016

- Kamrani, E., **Sharifinia, M***, Hashemi, SH. 2016. Analyses of fish community structure changes in three subtropical estuaries from the Iranian coastal waters. *Marine Biodiversity* 46 (3): 561–577. Q2

- **Sharifinia, M***, Mahmoudifard, A., Imanpour, J., Ramezanpour, Z., Yap, CK. 2016. Pollution evaluation in the Shahrood River: Do physico-chemical and macroinvertebrate-based indices indicate same responses to anthropogenic activities? *Chemosphere* 159: 584-594. **Q1**
- **Sharifinia, M***. 2016. Comment on “Hydrochemical studies of Cross River Basin (southeastern Nigeria) river systems using cross plots, statistics and water quality index” published in Environ. Earth Sci. (2013) 70:3043–3056. *Environmental Earth Sciences* 75:670. **Q1**
- **Sharifinia, M***, Mahmoudifard, A., Gholami, K., Imanpour, J., Ramezanpour, Z. 2016. Benthic diatom and macroinvertebrate assemblages, a key for evaluation of river health and pollution in the Shahrood River, Iran. *Limnology* 17 (1): 95-109. **Q2**
- **Sharifinia, M***, Ramezanpour, Z., Imanpour, J. 2016. Distribution of benthic centric diatom *Pleurosira laevis* (Compère, 1982) in different substrate type and physicochemical parameters. *Acta Limnologica Brasiliensia* vol. 28, e-18. **Q2**

2015

- **Sharifinia, M***. 2015. Macroinvertebrates of the Iranian Running Waters: A review. *Acta Limnologica Brasiliensia* 27(4): 356-369. **Q2**
- Taherizadeh, M, **Sharifinia, M***. 2015. Applicability of ecological benthic health evaluation tools in three subtropical estuaries (Azini, Jask and Khalasi) from the Iranian coastal waters. *Environmental Earth Sciences* 74 (4): 3485-3499. **Q1**
- **Sharifinia, M***, Mohamadpour Penchah, M., Mahmoudifard, A., Gheibi, A., Zare, R. 2015. Monthly variability of chlorophyll- α concentration in Persian Gulf using remote sensing techniques. *Sains Malaysiana* 44 (3): 387–397. **Q2**
- **Sharifinia, M***, Haghparast, M. 2015. Evaluations of probiotic bacteria (*Bacillus* spp.) as dietary additives on growth performance and survival rate of Siamese fighting fish (*Betta splendens*). The *Indian Journal of Veterinary Sciences and Biotechnology*. 11 (1): 70-73. **NI**

2013

- Imanpour, J., **Sharifinia, M.**, Bozorgi. 2013. Assessment of fish farm effluents on macroinvertebrates based biological indices in the Tajan River. *Caspian Journal of Environmental Science*. 11 (1): 29-39. **Q3**
- **Sharifinia, M***, Z. Ramezanpour, Imanpour, J., Mahmoudifard, A., Rahmani, T., 2013. Water quality assessment of the Zarivar Lake using physico-chemical parameters and NSF- WQI indicator, Kurdistan Province-Iran. *Int. J. Adv. Biol. Biom. Res.* 1(3): 302-312.
- **Sharifinia, M.**, Imanpour, J., Bozorgi. 2012. Use of Canonical Correspondence Analysis to study benthic Macroinvertebrates distribution of the Tajan River in relation to some physicochemical parameters. *Caspian Journal of Environmental Science* 10 (2): 181-194. **Q3**

Peer-Reviewed Publications in National Journals

- Sharifinia, M*. 2022. The Importance of Minerals in the Nutrition of the Main Farming Species of the Shrimp Industry. *Journal of Animal Biology* 15(2): 263-292.
- Sharifinia, M*, Keshavarzifard, M., Khanjani, M.H., Yeganeh, V., Ghawampour, A. 2021. New technologies and management of farming systems in shrimp aquaculture. *Iranian Journal of Marine Science and Technology* 24(96): 44-56.
- Keshavarzifard, M., Niamaimandi, N., Sharifinia, M., Yeganeh, V., Mobarrezi, A., 2021. Analytical Review of the Impacts of Boat Shrimp Trawling on Marine Plants (Algae and Seagrass). *Iranian Journal of Marine Science and Technology* 25(1), 64-71.
- Khanjani, M.H., Arbabi, N., Sharifinia, M. 2020. The importance of paying attention to the nutritional requirements of ornamental fish. *Journal of Ornamental Aquatics*. 7, 51-59.
- Ghazilou, A., Sharifinia, M*. 2020. Performance of Reviews in Aquaculture during 2009-2019: A Bibliometric Analysis. *Journal of Environmental Science Studies* 5, 3236-3247.
- Khanjani, M., Sharifinia, M. 2020. An overview of the application and importance of algae in fisheries sciences and food industries. *Iranian Journal of Marine Science and Technology* 23 (91): 50-61.
- Koochaknejad, E., Ghazilou, A., Sharifinia, M., Loghmani, M., Kor, K. 2020. A Performance Appraisal of a Well-Established Environmental Symposium. *Journal of Environmental Science Studies* 5, 2952-2961.
- Sharifinia, M., Taherizadeh, M., Imanpour, J., Kamrani, E. 2018. Ecological assessment of Hormozgan Province Creeks (Khamir, Tiyab and Jagin) using the AMBI biotic index. *Journal of Aquatic Ecology* 7(4): 20-39.
- Sharifinia, M., Taherizadeh, M., Imanpour, J., Kamrani, E. 2018. Ecological assessment the impacts of shrimp farms effluents on the structure of benthic macroinvertebrates communities using BENTIX biotic index (Case study: Tiyab creek - Hormozgan Province). *Journal of Animal Environment*
- Sharifinia, M., Imanpour, J., Bozorgi. 2012. Ecological assessment of the Tajan River using feeding groups of benthic macroinvertebrates and biotic indices. *Iranian Journal of Applied Ecology*. 1: 80-95.
- Sharifinia, M., Imanpour, J., Ramezanzpour, Z. 2012. Study on Diatom biodiversity of the Masooleh stream – Guilan- Iran. *Iranian Journal Taxonomy and Systematic*. 5 (15): 37-48.
- Sharifinia, M., Imanpour, J., Ramezanzpour, Z. 2013. Effects of substrate type on benthic diatom assemblages of a Masooleh Rud river – Guilan. *Iranian Journal of Applied Ecology*. 2 (3): 25-34.
- Sharifinia, M., Imanpour, J., Z. Ramezanzpour. 2012. Application of ordination technique in evaluate of Diatoms assemblage and their relation with environmental factors. *Biological Journal of Microorganism*. 1 (1): 11-22.

Conferences and Seminars

- Sharifinia, M. 2023. Algal bloom: management and how to control it. The second national-regional aquaculture conference. Iran.

- Dashtiannasab, A., Hafezieh, M., **Sharifinia, M.** 2023. The effect of diets formulated based on vegetable protein sources (corn and soy) on the growth and survival rate of Whiteleg shrimp (*Litopenaeus vannamei*). 10th International Conference on Fisheries and Aquaculture (ICFA 2023). Bali, Indonesia.
- **Sharifinia, M.**, Keshavarzifard, M. 2023. The importance of using enriched Artemia in rearing aquatic larval stages. The second national-regional aquaculture conference. Iran.
- Khanjani, M., **Sharifinia, M.** 2021. Aquamimicry: Creating an environment for green aquaculture. International Crustacean Symposium. Iran.
- Khanjani, M., **Sharifinia, M.** 2021. FLOCponics: Combined culture of microbial mass with aquaculture plant. International Crustacean Symposium. Iran.
- **Sharifinia, M.**, Khanjani, M., Keshavarzifard, M. 2021. Development of recirculating aquaculture system (RAS) as an environmentally friendly method for the production of *Litopenaeus vannamei*. International Crustacean Symposium. Iran.
- Keshavarzifard, M., **Sharifinia, M.**, Mobarezi, A., Moradi, Gh. 2021. Impacts of Shrimp Trawling on Aquatic Plants Ecosystems. International Crustacean Symposium. Iran.
- Keshavarzifard, M., **Sharifinia, M.**, Moradi, Gh. 2021. Shrimp Aquaculture: An insight in Environmental Impacts. International Conference on Marine Sustainable Development. Iran.
- Khanjani, M., **Sharifinia, M.** 2021. Antinutritional factors in aquatic diets. The 27th National Congress of Food Sciences and Industries of Iran. Iran.
- Khanjani, M., **Sharifinia, M.** 2021. The role of aquatic animals in human nutrition with emphasis on its nutrients. The 27th National Congress of Food Sciences and Industries of Iran. Iran.
- Khanjani, M., **Sharifinia, M.** 2021. New technologies in aquaculture production. National conference of agriculture and health. Iran.
- Khanjani, M., **Sharifinia, M.** 2019. Management and importance of nutrition in the larval period of marine fishes. The 7th Iranian National Fisheries Conference. Iran.
- Z. Ramezanzpour, **Sharifinia, M.**, Imanpour, J., 2011. Effects of substrate type on periphyton assemblages of a mountainous river in Northern Iran. *5th Central European Diatom Meeting*, Szczecin, Poland.
- Imanpour, J., Z. Ramezanzpour, **Sharifinia, M.** 2012. Application of Phytobenthos population and Diatom based biotic indexes for water quality assessment of the Masooleh River- Iran. *IV International Conference Advances in Modern Phycology* - Ukraine.
- **Sharifinia, M.**, Z. Ramezanzpour, Imanpour, J., 2011. Effects of substrate type on distribution *Pleurosira laevis*. *2th National Conference of Wetlands*, Iran.
- **Sharifinia, M.**, Imanpour, J., Z. Ramezanzpour, 2011. Study on Diatom biodiversity of the Masooleh stream – Guilan- Iran. *1st National Conference of Phycology*, Iran.
- **Sharifinia, M.**, Imanpour, J., Z. Ramezanzpour, 2012. Water quality assessment of the Zarivar lake using WQI indicator. *3rd international Symposium on Climate Change & Dendrochronology*. Iran.
- **Sharifinia, M.**, Bozorgi, A. M., Imanpour, J. 2012. Effect of Pollution on the PhysicoChemical Parameters of Water in the Tajan River. *3rd international Symposium on Climate Change & Dendrochronology* – Iran.
- **Sharifinia, M.**, Z. Ramezanzpour, Imanpour, J., 2011. Effects of substrate type on distribution *Nitzschia* sp. *1th National Conference of Aquaculture*, Iran.

- **Sharifinia, M.**, Imanpour, J., Z. Ramezanzpour, 2011. Biomonitoring of Masooleh River by benthic diatoms assemblages. *1th National Conference of Aquaculture*, Iran.
- **Sharifinia, M.**, Imanpour, J., Ahmad, S., Bozorgi, A. M., 2011. The effects of riparian forest on periphyton and macroinvertebrates. *1th National Conference of food and aquatic*.
- **Sharifinia, M.**, Bozorgi, A. M., Ahmad, S., Imanpour, J., 2011. Assessment of water quality in Tajan River by Hilsenhoff biotic index. *1th National Conference of food and aquatic*.
- **Sharifinia, M.**, Imanpour, J., Bozorgi, A. M., 2011. Identification of benthic Macroinvertebrate assemblages in Tajan River. *1th National Conference of food and aquatic*, Iran.
- **Sharifinia, M.**, Imanpour, J., Z. Ramezanzpour, 2011. Application of algae and macrophytes as food in aquaculture. *1th National Conference of natural resource*, Iran.

Educational Workshops and Courses

- **Inclusive Ecology Spotlight Series: "The BioGraphI Faculty Mentoring Network"**. The Ecological Society of America (ESA). ESA Webinars. 2023.
- **Linear modeling using R for biological and agricultural data**. Iranian Fisheries Science Research Institute. 2022. Tehran.
- **Python programming**. Iranian Fisheries Science Research Institute. 2022. Tehran.
- **Management of coastal areas**. Iranian Fisheries Science Research Institute. 2022. Tehran.
- **Administrative reporting**. Institute of Soil Protection and Watershed Management. 2022. Tehran.
- **Basics and Documentation Based on ISO/IEC 17025:2017**. Standard Training Course. October 2020. PASARGAD QUALITY PIONEERS.
- **International Workshop on Technology Innovation of Algae**. The IRANIAN NATIONAL ALGAE CULTURE COLLECTION (INACC). 2021. Tehran.
- **Commercialization of Technology and Technical Knowledge**. Iranian Fisheries Science Research Institute. 2020. Tehran.
- **OTGA/INIOAS – Marine Biogeographic Data Processing Using OBIS**. September 2018. By: UNESCO/IOC IODE and Iranian National Institute for Oceanography and Atmospheric Science (INIOAS). Tehran.
- **Sampling, Separation, and Densitometry of Micro-plastics in Water and Sediments**. July 2018. By: Iranian National Institute for Oceanography and Atmospheric Science (INIOAS). Chabahar.
- **Marine Protected Areas (MPAs) with emphasis on Sea turtles**. December 2018. By: Iranian National Institute for Oceanography and Atmospheric Science (INIOAS). Chabahar.
- **Ecology of mangrove forest with emphasis on macrobenthos in the Persian Gulf**. March 2014. By: Professor Shing Yip Lee, Griffith University.
- **Sites and vegetation classification with emphasis on multivariate analyses (PC-ORD software)**. April 2012. By: Professor Albert Reif, University of Freiburg.
- **Algal culture techniques and taxonomic identification of micro and macro algae**. September 2011. Shahid Beheshti University.

Teaching Experience

- 2023: Agriculture and natural resources research and education center, Khorasan, Iran. Training course: Fundamentals of advanced shrimp farming.
- 2023. Agriculture and natural resources research and education center, Bushehr, Iran. Training workshop on mechanization and modification of the structure of shrimp farms, especially for agricultural operators in the aquatic sector of Bushehr province.
- 2022: A joint meeting between the Iranian Fisheries Sciences Research Institute and the Iranian Institute of Herbal Medicine. Information and research records available in the field of using insect powder in the diet of aquatic animals.
- 2022. Bushehr Province Agricultural Jihad Organization, Iran. Educational-promotional workshop with the title of mechanization and modification of the structure of shrimp farms.
- 2021: Evaluation of the efficiency of microalgae diets for *Litopenaeus vannamei*. International Crustacean Symposium. Bushehr. Iran.
- 2021: Development of recirculating aquaculture system (RAS) as an environmentally friendly method for the production of *Litopenaeus vannamei*. International Crustacean Symposium. Bushehr. Iran.
- 2021: Aquamimicry: Creating an environment for green aquaculture. International Crustacean Symposium. Bushehr. Iran.
- 2018: OTGA/INIOAS – Marine Biogeographic Data Processing Using OBIS. By: UNESCO/IOC IODE and Iranian National Institute for Oceanography and Atmospheric Science (INIOAS). Tehran.
- 2018: Sampling, Separation, and Densitometry of Micro-plastics in Water and Sediments. By: Iranian National Institute for Oceanography and Atmospheric Science (INIOAS). Chabahar.
- 2018: Marine Protected Areas (MPAs) with emphasis on Sea turtles. By: Iranian National Institute for Oceanography and Atmospheric Science (INIOAS). Chabahar.

Graduate Students Mentoring

- Ongoing: Haleh Rahmani: PhD
- 2023: Fatemeh Mohsenizadeh: PhD
- 2022: Mohadeseh Badini: MSc
- 2022: Mahdieh Jafari: PhD
- 2019: Akbar Raeisi: MSc

Invited Reviewer for Scientific Journals

- Environmental Science and Technology Letters (American Chemical Society)
- Global Change Biology (John Wiley & Sons)
- Ecology and Evolution (John Wiley & Sons)
- Ecological Indicators (Elsevier)

- Ecotoxicology and Environmental Safety (Elsevier)
- Chemistry and Ecology
- Ecological Informatics (Elsevier)
- Reviews in Aquaculture (John Wiley & Sons)
- Aquaculture (Elsevier)
- Journal of Trace Elements in Medicine and Biology (Elsevier)
- Journal of Water Process Engineering (Elsevier)
- Frontiers in Environmental Science
- Wetlands (Springer-Verlag)
- Marine Pollution Bulletin (Elsevier)
- Chemosphere (Elsevier)
- Estuarine, Coastal and Shelf Science (Elsevier)
- IEEE Access
- Journal of Thermal Biology (Elsevier)
- Aquatic Ecology (Springer-Verlag)
- Estuaries and Coasts (Springer-Verlag)
- Iranian Journal of Fisheries Sciences
- Chinese Journal of Oceanology and Limnology (Springer-Verlag)
- Applied Water Science (Springer-Verlag)
- Environmental Monitoring and Assessment (Springer-Verlag)
- Journal of Aquatic Food Product Technology
- Biodiversitas, Journal of Biological Diversity
- Caspian Journal of Environmental Sciences
- Regional Studies in Marine Science (Elsevier)
- Aquaculture Research (John Wiley & Sons)
- Aquaculture International (Springer-Verlag)
- Frontiers in Marine Science

Media

- 2022. Appearing in the television program "Growing (Rouyesh) Season" titled "Shrimp Aquaculture" as an expert: Discussions regarding the status and management of shrimp farms, long-term plans to increase the density of shrimp in farms by complying with environmental requirements and achieving sustainable development of the industry in the long term period. On national Iranian TV and radio channels: Bushehr TV and radio.

Fieldwork Experiences

- Assisted in research projects focused on studying the biodiversity of plankton and benthic organisms in coastal ecosystems.
- Conducted regular trips to designated sampling sites and collected plankton samples using plankton nets and sediment samples using grab and core.
- Identified and classified collected organisms using microscopes and taxonomic keys.
- Recorded data on species abundance, distribution, and environmental variables.

- Participated in research expeditions aboard a research vessel to study various aspects of oceanography.
- Participated in oceanographic sampling techniques using a variety of methods
- Conducted water sampling using Niskin bottles at different depths to analyze water chemistry and nutrient concentrations.
- Worked as part of a fisheries research team, studying the population dynamics of commercially important shrimp and fish species.
- Conducted experimental trawling cruises aboard a commercial trawler in northern Persian Gulf to capture fish and shrimp specimens in designated sampling areas. Participated in the sampling design, species identification, length and weight measurements.
- Collected biometric measurements, such as length, weight, and age, from the captured fish specimens.
- Collaborated with researchers to analyze collected data and contribute to the understanding of fish population trends.

Declaration

I hereby declare that the above-mentioned information is correct and true as per my knowledge.