

## Curriculum Vitae

Dr. Amir Ghazilou



**Positions:** Faculty

Assistant professor in Marine Biology

**E-mail:** amir.ghazilou@inio.ac.ir



### Academic Background

- PhD in Marine Biology, Shahid Beheshti University, Tehran-Iran, 2016
- MSc in Marine Biology, Khorramshahr University of Marine Science and Technology, Khorramshahr-Iran, 2007
- BSc in Marine Biology, Shahid Beheshti University, Tehran-Iran, 2004

### Positions & Work Experiences & Memberships

- Assistant professor, Iranian National Institute for Oceanography and Atmospheric Science, 2016-present
- Head of Chabahar Oceanography research station, Iranian National Institute for Oceanography and Atmospheric Science, 2018-2023
- Intern in live food production facility, Iranian Fisheries Organization, Mahshahr-Iran, 2004-2005
- Lecturer, Chabahar, University of Maritime and Marine Sciences, 2018- present

### Teaching Experiences

- Lecturer, Payam Noor University, 2010-2011, taught English, Evolution classes for BS students
- Lecturer, Islamic Azad University, 2012-2013, taught Biostatistics classes for BS students
- Lecturer, Chabahar, University of Maritime and Marine Sciences, 2018- present, taught several marine biology classes for BS and MS students

### Research Activities

#### Research Interest

Coral Reef Ecology incl. coral reef health, management, and restoration  
Fish Physiology  
Cetacean Ecology  
Food Science

#### Full Papers

- Ghazilou, A., Koochaknejad, E., Kor, K., & Ershadifar, H. (2024). Aggressive shark displays: a quantitative analysis of its impact on shark tourism. *Journal of Ecotourism*, 1-14.
- Ershadifar, H., Saleh, A., Kor, K., Ghazilou, A., & Hamzeh, M. A. (2024). Spatial and seasonal variations in suspended particulate matter concentration and composition in the Persian Gulf: From dust deposition and sediment resuspension to biological production in the regulation of the particulate trace elements. *Marine Pollution Bulletin*, 203, 116504.
- Kor, K., Jannat, B., Ershadifar, H., & Ghazilou, A. (2023). Microplastic occurrence in finfish and shellfish from the

- mangroves of the northern Gulf of Oman. *Marine Pollution Bulletin*, 189, 114788.
- Golinia, P., Nasrolahi, A., & Ghazilou, A. (2023). Temporal variations of biofouling assemblages of a coral reef ecosystem during a monsoon period. *Biofouling*, 39(9-10), 1004-1014.
- Ghazilou, A., Ershadifar, H., & Kor, K. (2023). A glance at the chemistry of calciblastic epithelioma in *Acropora valida*. *Thalassas: An International Journal of Marine Sciences*, 39(1), 487-492.
- Ershadifar, H., Saleh, A., Kor, K., Ghazilou, A., Baskaleh, G., & Hamzei, S. (2023). Nutrients and chlorophyll-a in the Gulf of Oman: high seasonal variability in nitrate distribution. *Deep Sea Research Part II: Topical Studies in Oceanography*, 208, 105250.
- Ershadifar, H., Saleh, A., Koochaknejad, E., Kor, K., & Ghazilou, A. (2023). Spatial and seasonal distribution of particulate phosphorous and nitrogen in the Persian Gulf: Nitrogen enrichment ties to diazotroph bloom in stratified warm waters. *Marine Chemistry*, 253, 104280.
- Ershadifar, H., Kor, K., Ghazilou, A., Koochaknejad, E., & Baskaleh, G. (2023). Evaluation of hydrochemical parameters in coastal waters of Chabahar: seasonal variations and diurnal fluctuations. *Journal of Environmental Science Studies*, 8(2), 6456-6468.
- Oladi, M., Ghazilou, A., Rouzbehani, S., Zarei-Polgardani, N., Kor, K., & Ershadifar, H. (2022). Photographic application of the Coral Health Chart in turbid environments: The efficiency of image enhancement and restoration methods. *Journal of Experimental Marine Biology and Ecology*, 547, 151676.
- Kor, K., Ghazilou, A., & Ershadifar, H. (2022). A survey on heavy metal bioaccumulation in organs of *Phallusia nigra*. *Journal of Animal Environment*, 14(2), 519-526.
- Koochaknejad, E., Ghazilou, A., Kor, K., & Ershadifar, H. (2022). A survey on aquatic animal keeping practices for home aquariums during the COVID-19 pandemic. *Vlaams Diergeneeskundig Tijdschrift*, 91(3).
- Ghazilou, A., Ershadifar, H., & Kor, K. (2022). Comparing the concentration of some hazardous materials in Halal and Haram seafood. *Journal of Halal Research*, 5(3), 50-59.
- Oladi, M., Rouzbehani, S., Ahmadzadeh, F., & Ghazilou, A. (2021). Dynamics of *Dipsastraea pallida*-symbiont association following bleaching events across the northern Persian Gulf and Gulf of Oman. *Symbiosis*, 84(2), 141-149.
- Kor, K., Ershadifar, H., Ghazilou, A., & Koochaknejad, E. (2021). Seasonal variations, potential bioavailability, and ecological risk of phosphorus species in the coastal sediments of the Makran. *Marine Pollution Bulletin*, 173, 113125.
- Ershadifar, H., Kor, K., Koochaknejad, E., & Baskaleh, G. (2021). A Study on the effects of Monsoon phenomenon on physicochemical parameters, nutrients and Chl. a in Chabahar Bay. *Environmental Sciences*, 19(1), 19-36.
- Ershadifar, H., Ghazilou, A., & Kor, K. (2021). A study on chemical composition of caudal spines in stingray *Hemitrygon bennettii* aimed to hydroxyapatite extraction. *Aquatic Physiology and Biotechnology*, 8(4), 37-54.
- Kor, K., Ghazilou, A., Ershadifar, H., & Koochaknejad, E. (2020). Use of regression tree to investigate the effective parameters on algal bloom in the southeastern coasts of Iran. *Journal of Environmental Science Studies*, 5(4), 3086-3095.
- Kor, K., Ghazilou, A., & Ershadifar, H. (2020). Microplastic pollution in the littoral sediments of the northern part of the Oman Sea. *Marine Pollution Bulletin*, 155, 111166.
- koochaknejad, E., Ghazilou, A., Sharifinia, M., Loghmani, M., & Kor, K. (2020). A Performance Appraisal of a Well-Established Environmental Symposium. *Journal of Environmental Sciences Studies*, 5(3), 2952-2961.
- Koochaknejad, E., Ghazilou, A., Sharifinia, M., Ershadifar, H., & Kor, K. (2020). Short term temporal variation of mangrove fish assemblage in Chabahar Bay (Oman Sea). *Iranian Journal of Ichthyology*, 7(4), 338-351.
- Ghazilou, A., & Sharifinia, M. (2020). Performance of Reviews in Aquaculture during 2009-2019: A Bibliometric Analysis. *Journal of Environmental Science Studies*, 5(4), 3236-3247.
- Ershadifar, H., Koochaknejad, E., Ghazilou, A., Kor, K., Negarestan, H., & Baskaleh, G. (2020). Response of phytoplankton assemblages to variations in environmental parameters in a subtropical bay (Chabahar Bay, Iran): Harmful algal blooms and coastal hypoxia. *Regional Studies in Marine Science*, 39, 101421.
- Oladi, M., Saberi-Pirooz, R., Ahmadzadeh, F., & Ghazilou, A. (2019). Further documentation of the Indian Frogfish, *Antennarius indicus* (Teleostei: Lophiiformes), from the ROPME Sea area; a molecular and morphological approach. *Thalassas: An International Journal of Marine Sciences*, 35, 503-509.
- Kor, K., Ghazilou, A., Ershadifar, H., Koochaknejad, E., & Baskaleh, G. (2019). A study on changes of physicochemical parameters, nutrients and Chl-a in coastal waters of Makoran Sea. *Journal of Oceanography*, 10(39), 113-124.
- Ghazilou, A., Shokri, M. R., & Gladstone, W. (2019). Comparison of baited remote underwater video (BRUV) and underwater visual census (UVC) for assessment of reef fish in a marginal reef in the northern Persian Gulf. *Iranian Journal of Ichthyology*, 6(3), 197-207.
- Ghazilou, A., Kor, K., Ershadifar, H., Koochaknejad, E., & Oladi, M. (2019). Environmental correlates of plankton assemblages in a hypersaline lagoon (Lipar lagoon, northern Gulf of Oman). *Environmental Sciences*, 17(4), 107-120.
- Ghazilou, A., Koochaknejad, E., Ershadifar, H., Negarestan, H., Kor, K., & Baskaleh, G. (2019). Infestation biology of *Phallusia nigra* (Tunicata, Phlebobranchia) on hard corals in a subtropical bay. *Marine Ecology Progress Series*,

626, 135-143.

- Ghazilou, A., Shokri, M. R., & Gladstone, W. (2018). Effects of Anthropogenic Activity on Coral Reef Fish Assemblages of the Northern Persian Gulf. *Journal of Oceanography*, 9(33), 21-29.
- Ghazilou, A., Koochaknejad, E., Ershadifar, H., Kor, K., & Negarestan, H. (2017). Autumnal algal bloom succession in Northern coasts of Gulf of Oman. *Harmful Algae News*, 56, 11-12.
- Baskaleh, G., Ghazilou, A., Ershadifar, H., Kor, K., & Salari Fanodi, M. R. (2017). Sub-decadal trends in sea surface physicochemical parameters of Daryabozorg station (Northern Gulf of Oman, Iran). *Journal of Persian Gulf*, 8(29), 1-10.
- Oladi, M., Badri, S., Nateghi-Shahrokni, S. A., & Ghazilou, A. (2016). Observation of the eye-attacking behaviour of Koi *Cyprinus carpio* var. koi in a koi-goldfish polyculture system. *Journal of Applied Animal Research*, 45(1), 215-216.
- Koochaknejad, E., Ghazilou, A., Ershadifar, H., Kor, K., & Maghsoudlou, A. (2016). A three-year record of red tides in Chabahar coastal waters (North of Gulf of Oman). *Journal of the Persian Gulf*, 7(25), 61-66.
- Ghazilou, A., Shokri, M. R., & Gladstone, W. (2016a). Animal v. plant-based bait: does the bait type affect census of fish assemblages and trophic groups by baited remote underwater video (BRUV) systems? *Journal of fish biology*, 88(5), 1731-1745.
- Ghazilou, A., Shokri, M. R., & Gladstone, W. (2016b). Coral reef fish assemblages along a disturbance gradient in the northern Persian Gulf: A seasonal perspective. *Marine Pollution Bulletin*, 105(2), 599-605.
- Ghazilou, A., Shokri, M. R., & Gladstone, W. (2016c). Application of baited remote underwater video stations to assess benthic coverage in the Persian Gulf. *Marine Pollution Bulletin*, 105(2), 606-612.
- Ghazilou, A., & Elder, M. P. (2015). The Irony of Harming Fish as Part of Iran's Nowrouz. *Journal of Animal Ethics*, 5(1), 1-4.
- Nateghi-Shahrokni, S. A., Bahmani, M., Badri, S., & Ghazilou, A. (2013). High L-carnitine levels can influence the nutritional efficiency of L-lysine in great sturgeon (*Huso huso* L.) fingerlings. *Journal of Applied Animal Research*, 41(4), 470-473.
- Morovvati, H., Zolgharnein, H., Moghahi, M. H. N., Abdi, R., & Ghazilou, A. (2012). Alterations to chloride cells of the secondary lamella and gill branches of spotted scat (*Scatophagus argus* L.) in different salinities. *Journal of Veterinary Research*, 67(2), 109-117.
- Ghazilou, A., Nateghi-Shahrokni, A., & Badri, S. (2012). Scientific Names are Contaminated. *Report and Opinion*, 4(9), 23-25.
- Ghazilou, A., & Ghazilou, S. (2011). Single and repeated exposure to methamphetamine induces altered sexual behavior in male sailfin molly (*Poecilia latipinna* Lesueur)(Pisces). *African Journal of Pharmacy and Pharmacology*, 5(13), 1619-1622.
- Ghazilou, A., Chenary, F., Morovvati, H., & Zolgarneine, H. (2011). Time course of saltwater adaptation in Spotted Scat (*Scatophagus argus*)(Pisces): A histomorphometric approach. *ITALIAN JOURNAL OF ZOOLOGY*, 78(1), 82-89.
- Ghazilou, A., & Chenari, F. (2011). Evaluation of Rosemary oil anesthesia in carp. *Online Journal of Veterinary Research*, 15(2), 112-118.
- Ghazilou, A. (2011). The oceanographical science proofs discovered in the Holly Qu'Ran. *Journal for Interdisciplinary Research on Religion and Science*, 8, 173-183.
- Chenari, F., Morovvati, H., Ghazilou, A., Savari, A., & Ronagh, M. T. (2011). Rapid variation in kidney histology in spotted scat *Scatophagus argus* on exposed to abrupt salinity changes. *Iranian journal of veterinary research*, 12(3), 256-261.
- Ghazilou, A., Saeedi-Hasankandi, H., Chenary, F., Nateghi, A., Haghi, N., & Sahraeean, M. R. (2010). The anesthetic efficiency of clove oil in Caspian salmon, *Salmo trutta caspius* K., smolts in dosage-salinity-pH linked approach. *Journal of the World Aquaculture Society*, 41(4), 655.

## Projects

- 2021-2023, role: Principal investigator, project title: monitoring Cetaceans in the Persian Gulf and Gulf of Oman. Funded by Department of Environment, Iran
- 2021-2023, role: Principal investigator, project title: monitoring subtidal ecosystems in the Persian Gulf and Gulf of Oman. Funded by Department of Environment, Iran
- 2022-2023, role: Principal investigator, project title: concentration of some hazardous materials in Halal and Haram seafood. Funded by Halal Research Center of Iran.
- 2019-2022, role: Data analyzer, project title: ecological impact assessment of desalination plants discharges on benthic and planktonic communities in laboratory and field conditions. Funded by INSF
- 2019-2020, role: Co-investigator, project title: use of one-dimensional and three dimensional biological indices in determining the coral reef ecosystems health status of the Persian Gulf and the Gulf of Oman (Kish and Qeshm

Islands and Chabahar Bay)”. Funded by INSF

- 2018-2019, role: Project contributor, project title: the role of mangroves and algal beds in species richness of coral reef fishes of Chabahar bay- Gulf of Oman. Funded by INIOAS
- 2019-2020, role: Project contributor, project title: a study on relationship between nutrients and phytoplankton abundance along the Makran coastal waters. Funded by INIOAS
- 2019-2020, role: Project Coordinator, project title: comparison of in-situ and in-vitro growth rates of Acropora sp. Funded by INIOAS
- 2018-2019, role: Project Coordinator, project title: the effect of fish presence on the prevention of coral-algal phase shift in the Chabahar Bay. Funded by INIOAS
- 2014-2016, role: Project Coordinator, project title: Spatio-temporal changes in coral reef-associated fish assemblages in Nayband Bay. Funded by Pars Oil and Gas Company (POGC).

## Skills

- PADI rescue diver since 2013
- Scientific diving skills
- Ornamental fish husbandry
- Life food culture
- Baited remote underwater video
- Coral reef monitoring
- Image processing (intermediate proficiency)
- Histology techniques (light microscopy)
- Statistical analyses (e.g. Primer-e software)