Abdol Azim Fazel

⌖ Department of fisheries, Faculty of Fisheries and Environmental Sciences, Iranian Fisheries Science Research Institute

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🅖 https://scholar.google.com/citations?user=UwOYGPUAAAAJ&hl=en

Date of Birth: September 8, 1983
Nationality: Iranian
Marital Status: Married

Ph.D. in Fishery and Aquatic Sciences
Gorgan University of Agricultural Sciences and Natural Resources
Doctoral thesis: Effect of landuse and vegetation cover on riverine assemblages
Supervisors: Dr Rasoul Ghorbani, Abdol Rasoul Salman Mahiny, Abdol Reza Bahremand
Supervisor: Dr. Javid Impanpour and Dr. Ali Bani
GPA: 17.74 out of 20
Thesis: 19 out of 20
(Sep. 2013-Dec. 2017)

M.Sc. in Fishery and Aquatic Sciences
Gorgan University of Agricultural Sciences and Natural Resources
Master's thesis: effect of stream habitat on distribution of stream biota of Zaringol stream
Supervisor: : Dr Rasoul Ghorbani
GPA: 18.6 out of 20
Thesis: 19.4 out of 20
(Sep. 2007-Dec. 2010)

Honors and awards	Ranked 50th among almost 5000 participants in the nation-wide entrance exam of M.Sc. programs among all national universities of Iran, 2007. Ranked 3th among 1000 participants in nation-wide entrance exam of Ph.D. exam among all national universities of Iran, 2013.
Journal Publications	✓ Influence of stream channel morphology and in-stream habitats on fish community in Golestan province streams. ✓ The effects of trout farm effluents on water quality parameters of Zaringol stream (Golestan, Iran) using NSFWQI and WQI indexes. ✓ Morphometric and meristic characteristics studies of loach, paracobitis malapterurus (Valenciennes,1846) in the Zarrin-Gol River, East of the Elburz Mountains (Northern Iran). ✓ Evaluation of water quality using TOPSIS method in the Zaringol stream (Golestan Province, Iran). ✓ Study of some growth parameters of spirlin (*alburnoides eichwaldii*), in Tilabad stream of the Golestan Province. ✓ Assessment of water quality of the Atrak River based on watershed attributes and water quality index. ✓ Assessment of distribution and abundance of zooplankton communities in the Atrak River, northern Khorasan province. ✓ An investigation on morphology, age and growth of the Caspian Sea kilka (clupeonella cultriventris) in Babolsar, southern Caspian Sea. ✓ Assessment of distribution and abundance of phytoplankton communities in Atrak river-north of Khorasan province. ✓ Effect of different cyst densities on the hatchability of the parthenogenetic Artemia cysts from Maharloo Lake. ✓ Analyses of production structure of aqua-agriculture reservoirs in Golestan province in 2009.

Projects: Department of environment	✓ Gorgan Bay Restoration project, the largest restoration project in the northern region of Iran) as manager project and Consultant of Department of environment of Iran. ✓ Restoration of salt wetland in North of Iran. As manager ✓ Restoration of Alang-Dareh watershed in northern region of Iran. As consultant. ✓ Preparation of guidelines for evaluating the ecological health of Iran's wetlands. ✓ Consultant of Gorgan University of Agricultural Sciences and Natural Resources (project: site selection of Determining the discharge location of the Caspian Sea water desalination project). ✓ Cooperation with the University of Lodz (Poland) in the field of invasive species of the Panto-Caspian region
Projects: Iranian fisheries Science Research Institute	✓ The impact of climate change on the distribution and fishing carp (Cyprinus carpio) in the Southern part of the Caspian Sea. ✓ Environmental evaluation of gray mullet (Mugil cephalus) breeding in enclosed environments (pen) in coastal waters of Golestan province. ✓ Socio-economic investigation of dual-proposed reservoirs in Golestan province. ✓ Nutrition modeling (Ce-Qual-w2) and environmental impact assessment of fish farming in Boostan Dam reservoir. ✓ Modeling pollution and nutrition distribution of cage cultures in southern coastal of Caspian Sea based on Mike21 and Geographical information systems. ✓ Modeling of commercial fish distribution to increase the efficiency of fishing by considering ecosystem-based management along the south coasts of Caspian Sea, Mazandaran province. ✓ Assessment of the environmental effects of rainbow trout *Oncorhynchus mykiss* farming in Caspian Sea cages.

Academic Projects as Advisor:	✓ Environmental risk assessment of salmon farming in cages in the Caspian Sea.
	✓ Linking landscape, land use and stream habitat and biota in catchment at local and channel levels.
	✓ Detection of microplastic pollution in Miankaleh international wetland.
	✓ Risk Assessment of the Rainbow Trout Cage Farming.
	✓ Using $\delta^{15}N$ and $\delta^{13}C$ in fish Larvae of Paracobitis hicanica (Mousavi-sabet et al., 2015) as an Indicator of Watershed Sources of Anthropogenic Nitrogen in Zaringol river.
	✓ Effects of climate variability on the distribution and fishing conditions of Istiophoridae in the Indian Ocean.
	✓ Modeling and environmental impact assessment of cage culture in the Gulf of Gorgan.
	✓ Response of stream macroinvertebrate to land use configurations.
	✓ Detection of biotic and abiotic levels of microplastic pollution in Miankaleh international wetland.
	✓ Effects of climate variability on the distribution and fishing conditions of Istiophoridae in the Indian Ocean.
	✓ Modeling of commercial bony fishes' distribution to increase the efficiency of fishing by considering of ecosystem-based management along the south coasts of Caspian Sea, Mazandaran province.
	✓ Simulation of native fish growth using standard Dynamic Energy Budget (DEB) model in Kabudwal and Zarrin-gol Rivers (Golestan Province) and its relation to habitat suitability.
	✓ Tracing $\delta^{15}N$ in some dominant Bio communities as an Indicator of Watershed Sources of Anthropogenic Nitrogen in Zaringol River، Golestan Provience.
	✓ Gorgan Gulf database working group

	  ✓ Consultant of Golestan Governorship (project: Cage culture in Caspian Sea) ✓ Consultant of Department of Environmental Protection and Golestan Governorship (Restoration of Gorgan Bay)

Skill and software	Experience with a variety of software packages. ✓ Analysis of data using statistical packages (R, Pyton, Spss, Statistica, Stata). ✓ Experienced and Teaching Remote Sensing software (ENVI, SeaDas,Snap,Arcmap ✓ Experienced and Teaching Climate change Scenarios in Aquatic Ecosystems ✓ Expert on Geographical information system packages including: Idrisi, ArcMap, Terrain analysis system, FRAGSTAT. ✓ System dynamics software Vansim and Stella. ✓ Modelling water environment software MIKE, HEC_RAS, and CE_QUAL_W2. ✓ Restoration skill in Aquatic ecosystems. ✓ Modeling of river ecosystems. ✓ Modeling of species distribution (Species distribution Models).
Teaching experience	✓ Advanced course of GIS (Ph.D. students), Gorgan University of Agricultural Sciences and Natural Resources. ✓ Application of statistics in natural resources, Education institute of Saii. ✓ Experimental design and data analysis (M.S. students) Education institute of Baharan. ✓ Stream ecosystems restoration operation, Caspian Sea ecology research center.

		✓ Application of statistics, Inland waters fish stock assessment research center.