

Alireza Khiabani (Ph.D.)



Assistant Professor

EDUCATION

➤ **Natural Resources- Aquaculture (B.S.)**

Islamic Azad University (IAU).

Mazandaran, Iran.

2002 – 2005.

➤ **Marine Biology (M.Sc.)**

Islamic Azad University (IAU).

Tehran, Iran.

2006– 2008.

➤ **Aquaculture and Fisheries Management (Ph.D.)**

Sari Agricultural Sciences and Natural Resources

University (SANRU).

Mazandaran, Iran.

2016– 2020.

Last Update: 2021-9-1

CONTACT



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SCHOLAR CHARACTERISTIC



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scholar.google.com/citations?user=F4MZfCgAAAAJ&hl=en



<https://www.researchgate.net/profile/alireza-khiabani>



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Professional experience

2013 – Present

• Instructor: 2013-2020

• Assistant Professor:
2020 - Present

➤ **Faculty Member/ University of Applied Science and Technology (UAST)**

- in Department of Agriculture and Natural Resources (Oct 2013- Present).
- Teaching Various Specialized Courses (including: Aquatic Ecosystems, Sea Pollution, Reproduction of Fish and Shrimps, Ornamental Fish Breeding, Principles of Processing Fishery Products, and Aquatic Health and Diseases) for Associate and Bachelor Degrees.
- Teaching Core Courses (including: Ecology, Terrestrial Ecosystems, and Principles of Agricultural Education and Promotion) for Associate and Bachelor Degrees.
- Teaching in Several Specialized Training Workshops for Aquaculturists, Farmers, Experts, and Students.
- Refereeing Master's Theses in Fisheries Biotechnology.
- Judging Dozens of Articles and Research Projects.
- Development the Several Short-term Training Curriculum.
- Accreditation Committee (Faculty Members Grants).
- Cooperation in Organizing Several Exhibitions Applied Science and Entrepreneurship Camps.
- Committee for Preparing Indicators of the Strategic Document of the University.
- Research Committee (Evaluation of Scientific Research Proposals).

- Strategic Committee for Training and Empowerment of University Staff.
- Secretary of Entrepreneurship Committee.
- Organizational Structure Reform Committee.
- Secretary of the Welfare Committee of Faculty Members and Staff.
- Visiting Professor in Payame Noor University: PNU (Distance Education), (2013- 2019).
- Designer of National Exam Questions (UAST and PNU Universities).
- Good Relationship with the Fisheries and Aquaculture Industry and Related Equipment.

2007 – 2013

➤ **Academic Staff/ University of Applied Science and Technology (UAST)**

- Employee in the Affairs of Teachers and Faculty Members (*Mar 2007- Mar. 2013*).
- Secretary of the Specialized Commission on Agriculture and Natural Resources (Teachers Audit Board), (*Aug. 2007- Aug 2011 and Aug. 2011- Mar. 2013*).
- Head of the Secretariat for the Selection of Top Teachers in the Three periods of the National Festival of Applied Sciences.
- Secretary of the Specialized Committee on Agriculture and Natural Resources for Short-term Training (*Feb. 2013- Feb. 2015*).
- Cooperation with Fisheries and Aquaculture Group/ Agricultural Education and Extension Institute.
- Teaching in Payame Noor University (PNU).
- Teaching in the National Ornamental Fish Breeding Workshop, General Department of Agriculture of Golestan Province.

2016 – Present

➤ **Managerial Records/ University of Applied Science and Technology (UAST)**

- Senior Employee in the Affairs of Faculty Members (*Mar. 2013- June. 2016*).
- Director-General, Administrative Affairs and Human Resources (*Jun. 2016– Dec. 2016*).
- Deputy Director, Entrepreneurship and Industry Linkages Office (*Jan. 2016– Jul. 2020*).
- Deputy Director, Short-term Training Office (*Jul. 2020– Present*).

2009 – Present

➤ **Consulting Records and Honorary Collaboration**

- Member of Employment Working Group (Fisheries and Aquatic Engineering Group)/ Tehran Agriculture and Natural Resources Engineering Organization (*Feb. 2009- Feb. 2010*).
- Complex Chief Consultant/ Fisheries Technology Research Station, Iranian Fisheries Science Research Institute (IFSRI), (*Jul. 2011- Jul 2013*).
- The Rank Two Consultant / Agriculture and Natural Resources Engineering Organization of Iran (*Sept. 2011 - Oct. 2018*).
- Head of Education Department/ Iranian Ornamental Fish Society (IOFS), (*2013- Present*).
- The Rank One Consultant / Agriculture and Natural Resources Engineering Organization of Iran (*Oct. 2018 - Present*).

2010 – Present

➤ **Member of Conference Committee**

- The First National Conference of Ornamental Fish, Iran Fisheries Organization, Tehran, Iran (*2010*).
- The 1st National Conference on Fisheries Research Focusing on Ornamental Fish, Islamic Azad University, Babol, Iran (*2012*).
- The 1st Festival Inventions and Creations of University of Applied Science and Technology (*2015*).
- The 5th National Conference on Ichthyology, Islamic Azad University, Babol, Iran (*2017*).
- The 4th National Congress of Higher Education, Skills, Technology and Employment. University of Applied Science and Technology, Tehran, Iran (*2017*).
- The 2ND National Conference of Ornamental Fish, Iranian Fisheries Science Research Institute, Arak, Iran (*2018*).
- The 2ND National Conference on the Conservation of Iranian Endemic Fish, University of Guilan, Iran (*2021*).

Research and Innovation

2008 – 2017

➤ **Patent/ Registered in the Intellectual Property Center of Iran**

- Designing of the Closed System Incubator for Caspian Kutum Fish (*Rutilus frisii kutum*)/ ID Number: 48783- Date: 2008-05-28.
- Biotechnical determination of natural induction of ovulation in Iranian Cichlid fish (*Iranocichla hormuzensis*)/ ID Number: 91104- Date: 2017-1-25.

2008 – Present

➤ **Research Projects**

- The Effects of 17-Alpha Methyltestosterone On Sex reversal (Masculinization) in Swordtail (*Xiphophorus hellerii*), Islamic Azad University, Tehran, Iran (2008-2009).
- Investigating the Possibility of Reproduction and Breeding Iranian Cichlid Fish (*Iranocichla hormuzensis*) as a Native and Ornamental Species (First phase), Iranian Fisheries Science Research Institute (2011-2013).
- The Effects of Different Levels of Dietary Arachidonic Acid Supplementation on Growth Performance, Survival, Apoptosis, and its Protective Effect Against Silver Nanoparticles in Zebrafish (*Danio rerio*), Sari Agricultural Sciences and Natural Resources University, Sari, Iran (2019-2020).
- Acquisition of Artificial Reproduction Technology for Freshwater Parrot Fish and the Effect of Tomato Powder, Sugar Beet Powder and Astaxanthin on Growth Index and Color of Juveniles, Iranian Fisheries Science Research Institute (2021- Present).

2008 – Present

➤ **Book**

- **Goldfish Care Guide, Farsi (2010).**
Role: Editor ISBN: 978-964-8409-64-2
Publisher: Green wave
- **Water Birds and Waders on Internet, Farsi (2013).**
Role: Translator Format: Multi Media
Publisher: Iranian Department of Environment.
- **Water Quality in the Ornamental Aquatics Industry, Farsi (2014).**
Role: Translator ISBN: 978-964-8409-72-7
Publisher: Green wave
Sponsor: Fisheries Technology Research Station.
- **International Transportation of Ornamental Aquatic Animals, Farsi (2014).**
Role: Editor ISBN: 978-964-8409-89-5
Publisher: Green wave
Sponsor: Fisheries Technology Research Station and Iranian Ornamental Fish Society.
- **Family and the Environment (Undergraduate Family Management Course Resource), Farsi (2015).**
Role: Author
Publisher: University of Applied Science and Technology
- **The Complete Guide to Keeping an Iguana, Farsi (2016).**
Role: Translator ISBN: 978-600-6045-85-6
Publisher: Marze Danesh
- **Morphological and Biological Characteristics of Ornamental Fishes of the Persian Gulf and Oman Sea, Farsi (2016).**
Role: Author ISBN: 978-600-6954-07-3
Publisher: Green wave
Sponsor: Darabad Wildlife Museum and Iranian Ornamental Fish Society.
- **Principles of Aquarium Engineering (Design, Construction and Equipping), Farsi (2021).**
Role: Author ISBN: 978-964-520-926-9
Publisher: Agricultural Publishing
Sponsor: Agricultural Education and Extension Institute.

2011 – Present

➤ **Refereed Articles (Research Papers)**

- Detection of Morphometric Differentiation Between Isolated Up- and Downstream Populations of Siah Mahi (*Capoeta capoeta gracilis*) (Pisces: Cyprinidae) in the Tajan River (Iran). Journal of the Hydrobiologia (2011).
DOI: 10.1007/s10750-011-0748-7
- Fourteen Years After the Shahid-Rajaei Dam Construction: An Evaluation of Morphometric and Genetic Differentiation Between Isolated Up- and Downstream Populations of *Capoeta capoeta gracilis* (Pisces: Cyprinidae) in the Tajan River of Iran. Journal of the Genetics & Molecular Research (2013).
DOI: 10.4238/2013.September.10.3
- Masculinization of Swordtail *Xiphophorus hellerii* (Cyprinodontiformes: Poeciliidae) Treated with 17 α Methyltestosterone and Vitamin E. Journal of Fishery Science and Aquaculture, Spring Journals (2014).
- Occurrence and Intensity of *Tracheliastes polycolpus* on *Capoeta capoeta gracilis* (Pisces: Cyprinidae) in Tajan River from the Southeast of the Caspian Sea. European Journal of Zoological Research (2014).
- Introduction of Iranian Cichlid (*Iranocichla hormuzensis*) as an Endemic Species fish in Aquarium. Journal of Aquaculture Development, Farsi, (2015).
- Effect of Dietary Administration of Methyl Testosterone and Vitamin C on the Sex Reversal and Survival of *Xiphophorus maculatus* (Cyprinodontiformes: Poeciliidae). Poeciliid Research Journal (2016).
- Reproductive Biology of *Alburnus mossulensis* (Teleostei: Cyprinidae) in Gamasiab River, Western Iran. Iranian Journal of Ichthyology (2017).
DOI: 10.22034/ijji.v4i2.212
- Review of the Ethical and Technical Principles of Working with Zebrafish as A Species of the Biological Model in Medical Science Studies. Medical Ethics and History of Medicine, Farsi, (2019).
- Review: Use of Highly Unsaturated fatty acid (HUFA) in Ornamental Fish Feeds. Journal of Survey in Fisheries Sciences (2019).
DOI: 10.18331/SFS2019.6.1.7
- Influence of Different Levels of Dietary Arachidonic Acid Supplementation on Growth Parameters and Survival of Zebrafish (*Danio rerio*). Iranian Scientific Fisheries Journal, Farsi, (2020).
DOI: 10.22092/isfj.2020.122050
- Effect of Dietary Arachidonic Acid on Cortisol, Glucose Levels and Whole Zebrafish (*Danio rerio*) Fatty Acid Composition. Journal of Fisheries (Iranian journal of Natural Resources), Farsi, (2020).
DOI: 10.22059/JFISHERIES.2020.301525.1162

2004 – Present

➤ **non-refereed Articles (Magazines and Websites)**

- Reproduction and Breeding of the Goldfish. Farmer's Voice Monthly. Farsi, (2004).
- Introduction to Water Recycling System for Fish Farming. Monthly News of Livestock, Poultry and Aquaculture. Farsi, (2004).
- Freshwater Blind Fish. Aquatic World Quarterly. Farsi, (2005).
- Biology of the Bitterling Fish. Website of Iran Fisheries Organization. Farsi, (2005).
- The Importance of Using Spirulina Algae. Journal of Fisheries (Isfahan University of Technology). Farsi, (2005).
- Biology of the Arowanas Family (Osteoglossidae). Aquatic World Quarterly. Farsi, (2006).
- Blind cave fish of Iran. Website of Iran Fisheries Organization. Farsi, (2006).
- Biology and Masculinization of Swordtail Fish. Aquatic World Quarterly. Farsi, (2007).
- The Effect of Probiotics on the Growth of Goldfish. Aquatic World Quarterly. Farsi, (2007).

- Reproduction and breeding of Blood Parrot fish. Aquatic World Quarterly. Farsi, (2007).
- A Review of the Nutritional Value of Spirulina and its Effect on Some Ornamental Fish. Aquatic World Quarterly. Farsi, (2009).
- Study of Biodiversity of Goby Fishes (Gobiidae) in the Persian Gulf and the Sea of Oman. Aquatic World Quarterly. Farsi, (2011).
- Reviewing on the Present Koi Carp. Journal of Ornamental Aquatics, Farsi, (2015).
- Description the Siamese Fighting Fish (*Betta splendens*, Regan, 1910) in the Mekong Basin Journal of Ornamental Aquatics, Farsi, (2015).
- Review of Biology and Breeding of the Clownfish Under Captivity. Journal of Ornamental Aquatics, Farsi, (2017).
- A review of the Biotechnical of Commercial Breeding of Zebrafish (*Danio rerio*). Journal of Ornamental Aquatics, Farsi, (2021).

2008 – Present

➤ Conference Presentations

- Masculinization of Mozambique Tilapia with Immersion by 17- α Methyl Testosterone. International Conference of World Aquaculture, Warsaw, Poland. Poster (2008).
- The Effect of Probiotics on the Growth of Goldfish (*Carassius auratus*). The 1ST National Conference on Fisheries and Aquatic Sciences of Iran, Islamic Azad University, Lahijan, Iran. Poster (2008).
- Investigation and Determination of Biological and Commercial Thermal Optimum for Incubation of Severum (*Cichlasoma severum*). The 1ST National Conference on Fisheries and Aquatic Sciences of Iran, Islamic Azad University, Lahijan, Iran. Poster (2008).
- Influence of 17- Alpha Methyl Testosterone on Survival in Tilapia (*Oreochromis mossambicus*). The 1ST International Congress on Aquatic Animal Health Management and Diseases, Tehran. Oral (2009).
- Study on Clotting Time of *Vimba vimba persa* in Caspian Sea. International Conference of Asian Pacific Aquaculture, Kuala Lumpur, Malaysia. Oral (2009).
- The Effects of 17-Alpha Methyltestosterone On Sex reversal (Masculinization) in Swordtail (*Xiphophorus hellerii*), The First National Conference of Ornamental Fish, Iran Fisheries Organization, Tehran, Iran. Oral (2010).
- An Overview of the Endemic Freshwater Ornamental Fish in Iran. The First National Conference on Fisheries Research Focusing on Ornamental Fish, Islamic Azad University, Babol, Iran. Oral (2012).
- The Reviewing on Evolution the Present Koi Carp (Pisces: Cyprinidae). Middle East and Central Asia Aquaculture, Tehran, Iran. Oral (2015).
- The Study of Color Patterns and Design in Kohaku and Sanke Varieties of Koi Fish. Middle East and Central Asia Aquaculture, Tehran, Iran. Oral (2015).
- An Overview of the Effects of Nutrition of Broodstock with Lipids and Unsaturated Fatty Acids on Eggs and Larvae of Fish (With Emphasis on Arachidonic Acid). The 5th National Conference on Ichthyology, Islamic Azad University, Babol, Iran. Oral (2017).
- Evaluation of Different Levels of Dietary Arachidonic Acid on Stress Levels of Zebrafish. 8th Iranian Conference of Ichthyology, Tarbiat Modares University. Online, Oral (2020).

Professional Development Workshops

2004 – Present

- Ornamental Fish (Introductory). Islamic Azad University, Savadkuh, Iran (2004).
- Ornamental Fish (Advanced). Islamic Azad University, Savadkuh, Iran (2005).
- Teaching Methodologies. University of Applied Science and Technology, Tehran, Iran (2006).
- Research Methods. University of Applied Science and Technology, Tehran, Iran (2006).
- Systematic Management of Fish Feed Production Plants. Iran Fisheries Organization, Tehran, Iran (2006).
- Strategic Management. University of Applied Science and Technology, Tehran, Iran (2006).

- Biotechnology of Artemia and Rotifer Production. Islamic Azad University, Lahijan, Iran (2008).
- Aquatic Marketing and Trade. Islamic Azad University, Lahijan, Iran (2008).
- Ensuring the Safe Use of Biotechnologies. Pasteur Institute of Iran. Tehran, Iran (2008).
- Principles and Techniques of Negotiation. University of Applied Science and Technology, (2009).
- Strategic Management. University of Applied Science and Technology, Tehran, Iran (2009).
- Nanotechnology, its Approaches and Applications with Emphasis on Fisheries, Agriculture and the Environment. Iranian Fisheries Science Research Institute, Tehran, Iran (2011).
- Ornamental Fish and Aquatic Plants, Iran Agriculture Organization, Shiraz, Iran (2011).
- Marine Mammal Rescue. Iranian Department of Environment, Tehran, Iran (2011).
- New Methods and Techniques in Applied Education of Various Sciences, Iranian National Commission for UNESCO, Tehran, Iran (2012).
- Employment Rules for Faculty and Academic Staff. University of Applied Science and Technology, Tehran, Iran (2012).
- Management of the Water Resources and Environmental. University of Applied Science and Technology, Tehran, Iran (2015).
- Introduction to New Technologies for Increasing Fish Production. Iranian Fisheries Science Research Institute, Tehran, Iran (2017).
- Commercialization of Research Products. University of Applied Science and Technology, Tehran, Iran (2017).
- Write a Business Plan. University of Applied Science and Technology, Tehran, Iran (2017).
- The Entrepreneurial Process. University of Applied Science and Technology, Tehran, Iran (2017).
- Knowledge-based Innovation and Employment System. University of Applied Science and Technology, Tehran, Iran (2018).
- Introduction to Aquaponic System. Iranian Ornamental Fish Society, Tehran, Iran (2019).
- Basic Skills of Entrepreneurship Mentors. University of Applied Science and Technology, Alborz, Iran (2019).
- Principles of Propagation and Breeding of Tilapia. Iranian Ornamental Fish Society, Tehran, Iran (2019).
- Principles of Measuring Enzymes in Fish. Tarbiat Modares University, Tehran, Iran (2020).

Honors

- The First Rank in the National Entrance University Exam to Enter Ph.D. program (2016).

Collaboration with Associations

- Young and Elite Researchers Club, Islamic Azad University (2007).
- Agriculture and Natural Resources Engineering Organization of Iran (2008).
- Iranian Biotechnology Society (2008).
- Iranian Ornamental Fish Society (2013).
- House of Iranian Writers (Ahle ghalam), (2017).
- Iranian Society of Ichthyology (2018).

Research Interests

- Environment-friendly Aquaculture
- New Technologies in Aquaculture
- Protecting Endangered Aquatic Species