

CORRICULUM VITAE

Dr. Alireza Ghaedi

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Personal information:

- Date of Birth : 15/06/1980
- Place of Birth: Iran
- Nationality: Iranian
- Marital Status: Married
- Email: aliangler@gmail.com

Education:

- Ph.D. 2009-2012: Aquaculture Nutrition, USM, Malaysia.
- M.Sc. 2004-2006: Aquaculture Nutrition, IAU, Iran.
- B.Sc. 2000-2004: Aquaculture Nutrition, IAU, Iran.

Professional Employment:

- 2000-2005: Rainbow trout hatchery manager (RAS & Raceway System).
- 2000-2003: Feed Formulator in a Fish Feed Manufacturer.
- 2005-2008: Consultant of the Iranian Fisheries Department.
- 2006-2008: Head of Breeding Aquatic Animal Group University of Applied Sciences, Iran
- 2009-2012: PhD Student and Research Assistant (RA) at USM, Malaysia.
- 2010-2012: Lab Assistant, Laboratory of Fish Nutrition, USM, Malaysia
- 2012-current: Scientific Board the Iranian Fisheries Science Research Institute
- 2013-2014: Research deputy of the National Research Centre of Genetic and Breeding of Cold-water Fishes
- 2014-current: Head of the National Research Centre of Genetic and Breeding of Cold-water Fishes.

Teaching Experience:

Courses:

- ***Fish Biology:*** General ichthyology, taxonomy, reproduction and distribution of the freshwater fishes in Iran and marine fishes of the Gulf.
- ***Aquaculture:*** General culture techniques, culture systems, fish nutrition, artificial propagation and aquaculture economics.
- ***Fish Nutrition:*** Natural food, production of live food, artificial feed, nutrient requirements of fish, fish feed formulation, feeding regimes.
- ***Fish Breeding and Propagation:*** Reproductive biology, spawning, fertilization, hatching and larval rearing, larval nutrition, sex reversal, production of mono sex fish.

Student supervision:

- **Mahdi Naderi, PhD student.** Effect of vitamin E and selenium nanoparticles and different stocking density on liver proteomic analysis, humoral immune status and acute stress response in rainbow trout fingerlings
- **Esmael Kazemi, PhD student.** Effect of different dietary zinc sources on semen quality in rainbow trout male brooders.
- **M.J Mohammadi, PhD student.** Application of acidifier on rainbow trout diet and its effect on immune system and its gene-related expression
- **Javad Mahdavi, MS.c student.** Effect of selenium nanoparticles on male rainbow trout reproductive performance
- **Eisa Falahat, MS.c student.** Effect of selenium nanoparticles on female rainbow trout reproductive performance

Academic Award:

- USM-IPS Graduate Research Assistantship (GRA), 2010-2012

Technical Experiences:

- Professional at premix formulation in variety of levels for aquatic animals.
- Professional at least-coat fish/shrimp feed formulation and production.
- Familiar with the most farmed aquatic animal nutrient requirement.

- Familiar with the most material used for aquafeed production.
- Well experienced in extruder aquafeed line process.
- Well experienced in pellet aquafeed line process.

Research Project:

- Reproductive biology and puberty of snakehead *channa striatus* in captivity. (Executer)
- Effect of different protein levels on reproductive performance and larval quality, muscle, liver and ovary biochemical chemical composition of *channa striatus*. (Executer)
- Effect of different lipid levels on reproductive performance and larval quality, muscle, liver and ovary biochemical chemical composition of *channa striatus*. (Executer)
- Reproductive biology and puberty of Catfish, *Pangasianodon hypophthalmus* in captivity.
- Effect of different protein levels on reproductive performance and larval quality, muscle, liver and ovary biochemical chemical composition of *Pangasianodon hypophthalmus*.
- Effect of different lipid levels on reproductive performance and larval quality, muscle, liver and ovary biochemical chemical composition of *Pangasianodon hypophthalmus*.
- Effect of Betafine and growth hormone on growth parameters in rainbow trout. (Executer)
- Effect of different protein levels on reproductive performance of paradise fish (*Macropodus opercularis*). (Executer)
- Effect of Arginine levels on sperm quality in rainbow trout. (Executer)
- Production of full female rainbow trout population via indirect method in Iran
- Effect of dietary vitacel on growth performance, lysosome activity, intestinal histology, hematological factors and body composition of juvenile rainbow trout (*Oncorhynchus mykiss*)
- The role of dietary nucleotide on the survival, hematological and serum biochemical factors of Persian Sturgeon (*Acipenser persicus*) after oxygen tension.
- Effect of Vitacel® R200 inclusion in the diet on the growth, hematological and biochemical parameters and lysozyme activity in the rainbow trout juvenile

- Effect of different lipid sources on fatty acid synthase enzyme activity, its gene expression and cloning in rainbow trout (Executer)
- Effect of Nupro and Biomos as the source of nucleotide, on whit leg shrimp reproduction performance
- National rainbow trout Breeding program with cooperation of NOFIMA, Norway.

Computer Skills:

SPSS, Microsoft Office, EndNote and Photoshop

Language Skills:

- Native in Persian
- Fluent English Speaker
- Good at Scientific English Writing

Scientific Skills:

- Well experience in writing proposal, planning and running scientific project and data analysis.
- Well-experienced to run proximate analysis, GC and HPLC for aqua-feed and feed ingredient.
- Well-practiced to computerized formulation of pellet and extruded aqua-feed and premixes.
- DNA extraction, Molecular genetics, RT, PCR and laboratory works.
- Immune nutrition and nutritional related disease in aquatic animal.

Publications:

- **Alireza Ghaedi**, Abbas Ali Zamini and Habib Vahhabzadeh. Effect of T4 and Betafin on growth performance of Rainbow Trout larvae. *Presented in the National Conference of Aquaculture Development / University of Gorgan, 2008- Iran*
- Ali Ganjian, K., Ghasemnejad, M., Roohi, A., Pourgholam, R., Omar, W., Mansor, M. and **Ghaedi, A., 2012**. Temporal and spatial variations of phytoplankton in the Caspian Sea. *African Journal of Microbiology Research*, **6**, 4239-4246
- Mohammad Anamul Kabir, **Alireza Ghaedi** and Roshada Hashim (2012). Ovary Development at first sexual maturity of juvenile female catfish *Pangasianodon hypophthalmus* (Sauvage 1878) Stocked in Plastic Canvas Tank. **Vol 25, No.3 Pages; 218-227, Journal of Asian Fisheries Sciences**.
- **Alireza Ghaedi**, Muhammad Anamul Kabir and Roshada Hashim (2012.) Effect of Different Lipid Levels on Reproductive Performance, Egg and Larval Quality and Tissue Biochemical Composition of Snakehead murrel *Channa striatus*, **Aquaculture Research Journal**, (2014), [DOI: 10.1111/are.12557](https://doi.org/10.1111/are.12557)
- Alireza Ghaedi, Muhammad Anamul Kabir and Roshada Hashim (2013), Oocyte Development and Fecundity of Snakehead Murrel, *Channa striatus* (Bloch 1793) in Captivity. **Vol 26, Journal of Asian Fisheries Sciences**

- Muhammad Anamul Kabir, **Alireza Ghaedi** and Rosha Hashim (2018). The Effect of Different Lipid Levels in Broodstock Diets on Spawning Performance, Egg Biochemical Composition and Quality of Catfish, *Pangasianodon hypophthalmus* (Sauvage 1878) (Under review).
- Muhammad Anamul Kabir, **Alireza Ghaedi** and Rosha Hashim (2013). The Effect of Different Protein Levels in Broodstock Diets on Spawning Performance, Egg Biochemical Composition and Quality of Catfish, *Pangasianodon hypophthalmus* (Sauvage 1878), **Aquaculture Research Journal**, (2013), [DOI: 10.1111/are.12326](https://doi.org/10.1111/are.12326)
- Fatemeh Khani, Mohammad Reza Imanpoor, Hamed Kolangi Miandare, **Alireza Ghaedi** (2015). Effect of nucleotide supplemented diets on growth performance, humeral and serum biochemical parameters of juvenile of Persian sturgeon (*Acipenser persicus*). [Published in Persian](#).
- **Alireza Ghaedi**, and Mahmoud hafeziyeh, (2018): Effect of different protein levels on reproductive performance of paradise gourami *Macropodus opercularis*, [Under review at Journal of Asian Fisheries Science](#)
- Fatemeh Pourkhazaei, Eisa Ebrahimi and **Alireza Ghaedi** (2016): Arginine effects on Biochemical Composition of Sperm in Rainbow trout, *Aquaculture Research*. [DOI: 10.1111/are.13172](https://doi.org/10.1111/are.13172)
- Maghsoudlou, Elham, Yahya, Khairun, **Ghaedi, Alireza**, SITIAZIZAH, MOHD, 2017; Reproductive biology of the jellyfish (*Chrysaora* sp.) in the north-western coastal waters of Malaysia (Penang Island). *Indian journal of Geo Marine Science*. 46 (4):822-829
- Mahdi Naderi, Saeed Keyvanshokoo, Amirparviz Salaati and **Alireza Ghaedi**, (2017): Proteomic analysis of liver tissue from rainbow trout under high rearing density after administration of dietary vitamin E and selenium nanoparticles, *Comparative Biochemistry and Physiology, Part D*, DOI: <http://dx.doi.org/10.1016/j.cbcd.2017.02.001>
- Mahdi Naderi, Saeed Keyvanshokoo, Amirparviz Salaati and **Alireza Ghaedi**, (2017): Effect of Dietary vitamin E and selenium nanoparticles supplementation on acute stress responses in rainbow trout previously subjected to chronic stress, *Aquaculture*. DOI: <http://dx.doi.org/10.1016/j.aquaculture.2017.02.020>
- Mahdi Naderi, Saeed Keyvanshokoo, Amirparviz Salaati and **Alireza Ghaedi**, (2017): Combined or individual effects of dietary vitamin E and selenium nanoparticles on humoral immune status and serum parameters of rainbow trout under high stocking density, *Aquaculture*. DOI: <http://dx.doi.org/10.1016/j.aquaculture.2017.03.036>
- **Alireza Ghaedi**, Komail Pakzad and Mahdi Soltani (2017): Bacterial Biomass as a nutrient source in diet of aquaculture species, [Unpublished work](#).
- Mahdi Naderi, Saeed Keyvanshokoo, Amirparviz Salaati and **Alireza Ghaedi**, (2017): Effects of chronic high stocking density on liver proteome of rainbow trout (*Oncorhynchus mykiss*), *Fish Physio Biochem*, DOI [10.1007/s10695-017-0378-8](https://doi.org/10.1007/s10695-017-0378-8)
- Ali taheri mirghaed, Peyman Yarahmadi, Seyed Hossein Hosseinifar, **Alirza Ghaedi**, (2018): The effect of singular or combined administration of fermented fiber and probiotic on mucosal immune parameters, digestive enzymes activity, gut microbiota and growth performance of Caspian white fish (*Rutilus frisii kutum*) fingerlings. *Fish and shellfish immunology*. DOI: [10.1016/j.fsi.2018.02.007](https://doi.org/10.1016/j.fsi.2018.02.007)
- MahdiNaderi, Saeed Keyvanshokoo **AlirezaGhaedi** and Amir ParvizSalati, (2018) Effect of acute crowding stress on rainbow trout (*Oncorhynchus mykiss*): A proteomics study *Journal of Aquaculture*, <https://doi.org/10.1016/j.aquaculture.2018.05.038>
- The effects singular or combined administration of fermentable fiber and probiotic on mucosal immune parameters, digestive enzyme activity, gut microbiota and growth performance of Caspian white fish (*Rutilus frisii kutum*) fingerlings (2018). <https://doi.org/10.1016/j.fsi.2018.02.007>

- **Alireza Ghaedi**, Homayoun Hosseinzadeh and Roshada Hashim (2018). Effect of different protein levels on reproductive performance of snakehead murrel, *Channa striatus* (Bloch, 1793). Iranian Journal of Fisheries Science. DOI: [10.22092/ijfs.2018.117602](https://doi.org/10.22092/ijfs.2018.117602)
- Mahdi Naderi, Saeid Keyvanshokoo, Alireza Ghaedi, Amirparviz Salati (2019). Interactive effect of dietary nano selenium and vitamin E on growth, haematology, innate immune responses, antioxidant status and muscle composition of rainbow trout under high rearing density. DOI: [10.1111/anu.12931](https://doi.org/10.1111/anu.12931)
- Kazemi, Esmail, Sourinejad, Iman, **Ghaedi, Alireza**, Johari, Seyed Ali, Ghasemi, Zahra (2020). Effect of different dietary zinc sources (mineral, nanoparticulate, and organic) on quantitative and qualitative semen attributes of rainbow trout (*Oncorhynchus mykiss*). Aquaculture, <https://doi.org/10.1016/j.aquaculture.2019.734529>

Professional and Personal Development Workshops:

- The art of writing scientific publishable manuscript.
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Referees

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