

# 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
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## Education:

- Ph.D. 2009-2012: Aquatic Animal 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: Researcher at the Iranian Fisheries Research Organization.
- 2012- Current: Scientific consultant and head of R&D in the KT company. This company is the producer of extruded high energy fish feed in Iran.
- 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:**

- Ph.D: 5
- Master: 10
- Bachelore:18

**Academic Award:**

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

**Technical Experiences:**

Alongside my beloved fish, rainbow trout, I am familiar in propagation of some warm freshwater fish such as tilapia, snakehead, African catfish and Patin. Furthermore, in the marine fish and shellfish area, I have some experience in culture of shrimps, Groupers (Hamour) and Asian sea bass. However, my professional area of interest is Aquatic Animal Nutrition-Reproduction, Broodstock Nutrition and Management, Fish and Shrimp Larvae culture. Live Food Culture. Currently I have focused on Immunonutrition area and additive in fish/shrimp diet as immune stimulants.

**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 vitacell 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

**Computer Skills:**

SPSS, Microsoft Office, EndNote and Photoshop

### Language Skills:

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

### Scientific Skills:

- Well experienced at GC, HPLC and Automatic Protein Analyser.
- Well practiced at feed formulation through computer software.
- Well trained using Computer Assisted Sperm Analyser (CASA).
- DNA extraction, Molecular genetics, RT, PCR and laboratory works

### 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 (2014.) Effect of Different Protein Levels on Reproductive Performance, Egg and Larval Quality and Tissue Biochemical Composition of Snakehead murrel *Channa striatus*, (Under review)
- **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
- 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 (2014). 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

- 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**, Mansour Sharifian and Mahmoud hafeziyeh, (2017): Effect of different protein levels on reproductive performance of paradise gourami *Macropodus opercularis*, Under review
- 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
- 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.cbd.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)

#### **Conference:**

Third international symposium on cage aquaculture in Asia, 16-19 November 2011, Putra World Trade Centre, Kuala Lumpur, Malaysia

#### **Professional and Personal Development Workshops:**

- The art of writing scientific publishable manuscript.
- Getting your manuscript published; what reviewers and editors want?
- Writing official English letters.
- English skills in thesis writing.

## Referees

- Professor Abdel-Fattah Mohamed Elsayed, Alexandria University, Egypt: [afmelsayed@gmail.com](mailto:afmelsayed@gmail.com)
- Professor Roshada Hashim, Universiti Sains Malaysia : [roshadahashim@gmail.com](mailto:roshadahashim@gmail.com)
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