

## *Curriculum Vitae*



### **Personal Details**

- **Name & family:** Roghaye Mahmoudi
- **Nationality/residency status:** Iranian
- **Address** Department of Genetics, Genetic and Breeding of cold freshwater fishes Center, Iranian Fisheries Science Research Institute (IFSRI), Yasouj, Iran P.O.Box 75914-358,
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### **Summary**

- Faculty member of Iranian Fisheries Science Research Institute (IFSRI)
- Extensive research experience in coldwater fish broodstock .
- Project management
- Laboratory management
- Lecturer and laboratory trainer
- Scientific writing and oral presentation

### **EDUCATION**

- **Ph. D: Aquaculture 2010-2014.**

- **Thesis topic:** Determination of some dominant genetic characteristics and morphometric features for selection of rainbow trout (*Oncorhynchus mykiss*) broodstocks
- **M.Sc: Aquaculture.2008-2010.**
- **Master thesis topic:** Replacement of soybean meal by canola meal on growth factor in rainbow trout (*Oncorhynchus mykiss*).
- **BSc: Fisheries Science.2001-2005**
- **Project topic:** Investigation and effect of environmental factors on *Gammarus* distribution along Zayandehroud River.

### **Relevant Experience**

- Research (Researcher in Genetics Laboratory from Genetic and Breeding of Coldwater Fishes Research Center)
- Teaching (Lecturer in university and Scientific communities)
- Administration (Administrator of Laboratory in Genetic and Breeding of Coldwater Fishes Research Center)

### **Laboratory Techniques**

- DNA and RNA extraction from tissue using kits and phenol-chloroform protocol
- Polymerase Chain Reaction (PCR method)
- RT-PCR
- Molecular markers

### **PUBLICATIONS**

- **R Mahmoudi** ;M Soltani; A Matinfar ;S Rezvani Gilkolai ;A Kamali (2014). Morphometric relationship between length- weight, length- length and condition factor in farmed rainbow trout (*Oncorhynchus mykiss*). Bulletin of Environment, Pharmacology and Life Sciences, 3 [3] 2014 .
- **R Mahmoudi**, M.khodadadi, M.javaheri and A.Shafaipour (2009). Determination of effects of replacing canola meal with soybean meal on the growth of rainbow trout(

(*Oncorhynchus mykiss*). Journal of Fisheries. Islamic Azad University , Azadshahr Branch.. Vol 3(3)2009.

- **R Mahmoudi**, M. ahizadeh and A. shafaipour. (2010). Determination of effects of replacing canola meal with soymeal on composition weight of rainbow trout(*Oncorhynchus mykiss*). Journal of fisheries. Vol.4. No.1, Spring 2010.
- **R Mahmoudi** , M. soltani, A. matinfar, A. kamali (2013). Comparison morphometric factors of male and female rainbow trout in Iran. Journal of Fisheries and Aquiculture Bandar Abbas. Vol 4, Issue 14, Page 42-5.
- **R Mahmoudi** , et al., (2014). Genetic variation of Iranian and French stocks of rainbow trout (*Oncorhynchus mykiss*). Iranian Scientific Fisheries Journal. Vol. 23, No. 1 .
- **R Mahmoudi** , S. Naseri and E. Kazemi.(2016). Investigation of reproductive performance and fecundity in two group of rainbow trout broodstock. Journal of Animal Environment. Vol 8, No. 3. pp. 191-198.
- E. kazemi, A. Rastian nasab, J. Mahdavi and **R. Mahmoudi** (2016). Effect of probiotic bacto-cell on some growth factors of rainbow trout (*Oncorhynchus mykiss*). Journal of Animal Environment, Vol 8, Issue 1, p. 215-222.
- K, Ali ramaji; S Barzegar; M, alikhani; S Najjar Lashgari; **R. Mahmoudi** (2018). Effect of different levels of Fish oil and Canola oil on diet on growth, survival and body Chemical Composition of Fattening Rainbow Trout (*Oncorhynchus mykiss*). Journal of Animal Environment. Vo 10, Issue 4, Autumn 2018, Page 263-268.
- A. Hosseini, **R Mahmoudi**, et al., (2017). The suevey of results of cross breeding in rainbow trout (*Oncorhynchus mykiss* ) and golden trout. Journal of Aquatic Production and Utilization (JAPU).Vol 5, Issue 3, Page 77-82.
- H. Hosseini, **R Mahmoudi**, A.Rastiyan Nasab (2018). Study of chemical disinfectants for rainbow trout (*Oncorhynchus mykiss*) eggs. Advanced Aquaculture Sciences Journal . Vol. 1, No.3, Winter 2018.
- Mahdave Jahan Abad J., Rasteyannasab A.H. , **Mahmoudi R.**, Kazemi E , Meisam Salahi M (2018) .The role of selenium nanoparticles in reproductive performance of fish. Journal of Ornamental Aquatics. Vol. 5, No.3.
- Lamei Hasan keyade S.,Mohamad Alikhani M, Najar Lashgari S, **Mahmoudi R.** ( 2019) Effect of different concentrations of folic acid and riboflavin on some growth, blood and

immune indices of rainbow trout (*Oncorhynchus mykiss*) fingerlings . Journal of Animal Environment. (In press)

- Mahdave Jahan Abad J., Rasteyannasab A.H. ,Ghaedi A., **Mahmoudi R.** Effect of different levels of selenium nanoparticles on some reproductive indices in rainbow trout (*Oncorhynchus mykiss*). Aquatic Physiology and Biotechnology. . (In press)
- Moradyan H, **Mahmoudi R.** Creation of a base population for a breeding program in fish aquaculture. Journal of Aquatic Production and Utilization (JAPU). (In press)
- **Mahmoudi R,** Najar Lashgari S. (2018) . Sex determination in fish. Aquatic World. Vol 13.pp:12-16. (In press)

### **Author and translator of the Book**

- **R Mahmoudi , A Matinfar. (2013).** Biology and Culture of *Siganids*, Shams International Publishing, Spring 2013, ISBN: 978-964-6696-68-6.(Translation to persian).  
H.moradian., **R Mahmoudi .** Creating a base population in the aquaculture breeding program. (**In press**).

### **Conference**

- Alizade.M.,**Mahmodi.R.**, .(2010). Study replacement of soybean meal by canola meal on growth performance and body composition of rainbow trout (*Oncorhynchus mykiss*) in pre-growing stage. 14<sup>th</sup> International Symposium on Fish Nutrition & Feeding. May 31-June 4, Qingdao,Chin.
- Nazari. S., **Mahmoudi. R.** ( 2015). Assessment of potential selective improvement of rainbow trout (*Oncorhynchus mykiss*) in Iran. Middle East and Central Asia Aquaculture, December 14-16, 2015, Olympic Hotel, Tehran, Iran. (Oral presentation).
- **Mahmoudi, R;** Najar lashgari, S; Kazemi,E.(2018). Egg Storage and Hatching Incubators. 4th International Conference on Agricultural Engineering and Natural Resource. 16 July. Iran.

- **Mahmoudi,R.(2018)** The importance of selective breeding for aquatic species. . 4th International Conference on Agricultural Engineering and Natural Resource. 16 July. Iran.
- **Mahmoudi, R,** Ansari, R, Alizadeh, M (2009). Investigation of the survival rate from trout fertilized eggs in season and off-season, Iranian Fisheries Research Institute, Tonekabon, The First National Conference on Coldwater Fish.
- Ansari, R, **Mahmoudi, R,** Alizadeh, M (2009) . Comparison of survival of rainbow trout (*Oncorhynchus mykiss*) breeders after natural reproduction and reproduction under optical treatment. Iranian Fisheries Research Institute, Tonekabon, The First National Conference on Coldwater Fish.
- **Mahmoudi, R.** Gandomkar, H., Abdolhai,H.A., Gorjipoor, E. (2013). Investigation of the relationship between total length and morphometric characteristics between males and females of rainbow trout (*Oncorhynchus mykiss*). Second National Conference on Development and Culture Coldwater Fish. 10 - 11 May, Shahrekord.Iran.
- **Mahmoudi, R.,** Hasanzadeh M. (2014). Study of the importance of rainbow trout (*Oncorhynchus mykiss*) breeding program in the country. Fourth National Conference on Agriculture and Aquaculture and Food, 13 and 14 December, Bushehr.
- **Mahmoudi, R.,** Hasanzadeh M. (2014). Investigation of relationship between fecundity and egg size, body weight and length in breeder rainbow trout (*Oncorhynchus mykiss*) in Iran. Fourth National Conference on Agriculture and Aquaculture and Food, 13 and 14 December, Bushehr.
- **Mahmoudi, R.,** kazemi, E., Ghaedi, A. (2017). Nanotechnology as new tool in the development of aquaculture. Fourth National Conference on Fisheries and Aquaculture. March 4 .

#### National Projects (Designing and Executing Projects)

- Evaluating and prioritizing of coldwater fish genetic resources to protect and exploit , (2018).
- Monitoring and evaluating of the culture factors and indicates in selected farms to provide rainbow trout breeder samples in operational areas. (2018).

- Optimization of induction method to produce rainbow trout (*Oncorhynchus mykiss*) triploid population in yasouj farms.(2019).
- Desining and Establishment of ISO 17025 in Laboratories of the Genetic and Breeding Coldwater Fishes Research Center in yasouj. (2019).

#### **National Projects (as a co-worker)**

- Induction of population triploid-interploid in Rainbow trout (*Oncorhynchus mikiss*) Using by indirect method (2015).
- Genetic improvement of rainbow trout (*Oncorhynchus mykiss*) broodstock and infrastructure for planning genetics and breeding in Yasouj. ,
- Selection of rainbow trout breeders and introduction of the best families using growth genetic indices.
- Assessment of genetic diversity and relationship of kinship ore-breeder rainbow trout (*Oncorhynchus mykiss*) using molecular methods.(2018).
- Effect of different levels of protein and its efficacy on reproductive performance of fish.
- Effect of different levels of arginine on the quality of rainbow trout (*Oncorhynchus mykiss*) sperm.

#### **Invited reviewer for scientific journals**

- Iranian Scientific Fisheries Journal

#### **Invited reviewer for scientific Conference**

- Member of the Scientific Committee of the *2nd National Conference on Environmental Science, Agriculture and Natural Resources* / Research Center, Agricultural Education and Natural Resources of Hamedan Province, September 23, 2013.

- Member of the Scientific Committee of the *4th International Conference on Agriculture, Natural Resources and Sustainable Environment*. October 16, 1396. Shiraz university.

### **Teaching Experience**

- Lecturer in Biotechnology Course at Agriculture Research, Education Organization. Kohgiluyeh and Boyer Ahmad Province Jihad Research Center.
- Lecturer in Aquatic breeding Course at Agriculture Research, Education Organization. Kohgiluyeh and Boyer Ahmad Province Jihad Research Center.
- Lecturer at the Workshop with subject new Aquaculture Techniques. Iranian Fisheries Research Organization. August 12, 2018.
- Invited Lecture to payame noor university from 2009-2015.
- Invited Lecture to Islamic Azad University .

### **Certificates**

- Certificate of attendance on PCR, RT\_ PCR” workshop. Iranian Biological Resource Center.
- Certificate of attendance on DNA, RNA EXTRACTION . workshop. Iranian Biological Resource Center.
- Certificate in recognition of attendance and participation in the Mobarake and Troutlodage and Hendrix Genetic Seminar. March. 7. 2017. Tehran. Iran.