



**TAGEM**  
R&D AND INNOVATION

EĞİRDİR FISHERIES RESEARCH INSTITUTE

## İsmail ERBATUR

### MSc Agricultural Engineer

#### EDUCATION

- Assoc. prof**
- PhD** 2017-continue Mustafa Kemal University  
Faculty of Agriculture-Animal Science
- MSc** 2008-2010 Selçuk University  
Faculty of Agriculture-Agricultural  
Structures and Irrigation
- Bachelor's Degree** 1996-2000 Mustafa Kemal University  
Faculty of Agriculture-Animal Science
- LANGUAGE** English YÖKDİL 80 / YDS 70

#### CAREER

- 2009-Continue MSc Engineer/Researcher, Eğirdir Fisheries  
Research Institute - ISPARTA
- 2002-2009 Engineer-Ministry of Agriculture and Forestry-  
Konya
- 2001-2002 Engineer-Ministry of Agriculture and Forestry-  
Mardin
- 1996-2001 Veterinary Health Technician-Ministry of Agriculture  
and Forestry-Mardin


#### ABOUT ME

He was born in 1978 in Konya Province Doğanhisar District. He was appointed as a Veterinary Health Technician to Mardin Provincial Directorate of Agriculture in 1996. Between 1996-2000, he completed his undergraduate education at Hatay Mustafa Kemal University, Faculty of Agriculture, Department of Animal Science. Between 2008-2010, she completed her master's degree in Selcuk University, Institute of Science and Technology, Department of Agricultural Structures and Irrigation. Between 2001 and 2009, he worked as an agricultural engineer in the provincial organization of the Ministry of Agriculture and Forestry in Mardin and Konya. He has been working as an Agricultural Engineer in the Department of Aquaculture and Fisheries Health at the Directorate of Egirdir Fisheries Research Institute since 2009. Currently, he is continuing his doctorate education at Mustafa Kemal University, Institute of Science and Technology, Department of Animal Science. The researcher is married and has two children.

#### CONTACT

Üniversiteler Mah. Dumlupınar Bulv.  
Eskişehir Yolu 10. Km Çankaya / Ankara  
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### ▪ **PROJECTS**

#### ▪ **Projects Conducted**

1. 2016-2019 General Directorate of Agricultural Research And Policies The Investigation Project of Giant Spring Minnow's (*Pseudophoxinus anatolicus* Hanko, 1925) Production Possibilities-**Project Leader**
2. 2018-2020 TÜBİTAK 1001 - Investigation of Growth and Reproductive Traits and Survival Rates of Medicinal Leech (*Hirudo sukii*) in Laboratory Environment **Researcher**
3. 2018-2019 General Directorate of Agricultural Research And Policies An Investigation of the Use of Bottom Longline in Carp Fishing **Researcher**
4. 2018-2018 TÜBİTAK 4004 - I Recognize and Protect Generations Before They Are Extinct: Medicinal Leeches **Researcher**
5. 2016-2018 General Directorate of Agricultural Research And Policies Limnological monitoring of the trophic structure in Lake Eğirdir **Researcher**
6. 2014-2018 General Directorate of Agricultural Research And Policies Investigation of Heavy Metal Levels in Commercial Fisheries Species and Plankton, Benthos, Macrophyte with the Structure of Water Sediments of Eğirdir, Beyşehir, Uluabat Iznik and Kovada Lakes **Researcher**
7. 2011-2014 General Directorate of Agricultural Research And Policies Study of Fauna and Economical Importance of Leeches in Lakes Region (Turkey) **Researcher**
8. 2012-2013 General Directorate of Agricultural Research And Policies Determination of Marsh Frog *Pelophylax ridibunda* Pallas, 1771 (*Rana ridibunda* Pallas, 1771) Stocks in Lakes Region (Turkey) **Researcher**
9. General Directorate of Agricultural Research And Policies Monitoring of Fish and Crayfish Populations in Beyşehir, Eğirdir, İznik and Uluabat Lakes **Researcher**



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### PROJECTS

#### Ongoing Projects

1. 2019- Continues Hatay Mustafa Kemal University-Coordinatorship of Scientific Research Projects Determination of Early Life Period Nutritional Characteristics In Pike (*Esox lucius*) Cultivation (Doctoral thesis) (**Ph.D. Thesis.**)
2. 2018- Continues General Directorate of Agricultural Research And Policies Monitoring Commercial Fisheries Stocks in Central and Western Anatolia Regions-**Researcher**
3. Culture of pikeperch juvenile (*Sander lucioperca* L., 1758) in the recirculation aquaculture System and Artificial Feeding Adaptation of juveniles- **Researcher.**

### PUBLICATIONS

#### INTERNATIONAL ARTICLES AND PAPERS

#### Articles Published in International Journals

1. Yağcı, A., Apaydın Yağcı, M., Bilgin, F., **Erbatur, İ.**, 2016. The Effects of Physicochemical Parameters on Fish Distribution in Eğirdir Lake, Turkey. Iranian Journal of Fisheries Sciences. 15 (2): 846-857.[\[readonline\]](#)
2. Ceylan M., Küçükçara R., **Erbatur İ.**, Karataş E., Tunç M., Sağlam N., 2021. Growth, survival and reproduction of the Turkish medicinal leech, *Hirudo sulukii*. Invertebrate Reproduction & Development, 65, 57-68.<https://doi.org/10.1080/07924259.2021.1885506>

#### International Papers, Seminars, etc.

1. Meşe Turunç, B., **Erbatur, İ.**, Gökçek, K., 2021. Effect of Different Protein Sources on Protease Activity of Doctor Fish, *Garra rufa* Heckel, 1843. 14<sup>th</sup> International Symposium on Fisheries and Aquatic Sciences. 7-8 September 2021. İzmir, TÜRKİYE (Sözlü Sunum).
2. **Erbatur, İ.**, Yağcı, A., Öktener, A., Akçimen, U., 2018. New Locality for *Lernaea cyprinacea* (Copepoda; Lernaeidae) in TÜRKİYE. International Ecology 2018 Symposium. 19-23 June 2018. Kastamonu, TÜRKİYE (Poster presentation/text summary).
3. Ceylan, M., **Erbatur, İ.**, Küçükçara, R., Akçimen, U., Bulut, C., Cilbiz, M., Savaşer, S., Meke, T., Çınar, Ş., Kara, D., Sağlam, N., 2018. Hirudinea Fauna of the Wetlands in Isparta Province, TÜRKİYE. 13<sup>th</sup> International Symposium on Fisheries and Aquatic Sciences. 21-23 November 2018. Ankara, TÜRKİYE (Oral presentation/text summary).



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### ▪ **PUBLICATIONS**

### ▪ **INTERNATIONAL ARTICLES AND PAPERS**

### ▪ **International Papers, Seminars, etc.**

1. Gökçek, K., Szabo, T., Urbanyi, B., **Erbatur, İ.**, Sevgili, H., Kanyılmaz, M., 2018. Effect of Different Protein Sources on Protease Activity of European Catfish, *Silurus glanis* Linnaeus 1758, Juvenile. 13<sup>th</sup> International Symposium on Fisheries and Aquatic Sciences. 21-23 November 2018. Ankara, TÜRKİYE (Oral presentation/text summary).
2. Yağcı, A., Boyacı, Y.Ö., **Erbatur, İ.**, Ceylan, M., Apaydın Yağcı, 2018. Eğirdir Lake Water Mite (Hydrachnidae, Acari) Fauna. International Ecology 2018 Symposium. 19-23 June 2018. Kastamonu, TÜRKİYE (Poster presentation/text summary).
3. **Erbatur, İ.**, Yağcı, A., Ceylan, M., Apaydın Yağcı, M., Bilgin, F., Kaya, D., Yılmaz, H., Genç, E., 2018. The Status of *Lernaea cyprinaceae* (Linnaeus, 1758) Infestation in Endemic Species: Anatolian Minnow (*Pseudophoxinus anatolicus*, Hanks 1925). International Ecology 2018 Symposium. 19-23 June 2018. Kastamonu, TÜRKİYE (Poster presentation/text summary).
4. Gökçek, K., Szabo, T., Urbanyi, B., **Erbatur, İ.**, Sevgili, H., Kanyılmaz, M., 2018. Effect of Different Protein Sources on Protease Activity of European Catfish, *Silurus glanis* Linnaeus 1758, Juvenile. 13<sup>th</sup> International Symposium on Fisheries and Aquatic Sciences. 21-23 November 2018. Ankara, TÜRKİYE (Oral presentation/text summary).
5. Yağcı, A., Boyacı, Y.Ö., **Erbatur, İ.**, Ceylan, M., Apaydın Yağcı, 2018. Eğirdir Lake Water Mite (Hydrachnidae, Acari) Fauna. International Ecology 2018 Symposium. 19-23 June 2018. Kastamonu, TÜRKİYE (Poster presentation/text summary).
6. **Erbatur, İ.**, Yağcı, A., Ceylan, M., Apaydın Yağcı, M., Bilgin, F., Kaya, D., Yılmaz, H., Genç, E., 2018. The Status of *Lernaea cyprinaceae* (Linnaeus, 1758) Infestation in Endemic Species: Anatolian Minnow (*Pseudophoxinus anatolicus*, Hanks 1925). International Ecology 2018 Symposium. 19-23 June 2018. Kastamonu, TÜRKİYE (Poster presentation/text summary).
7. **Erbatur, İ.**, Yağcı, A., Cilbiz, M., Bilgin, F., Apaydın Yağcı, M., 2017. Giant Spring Minnow's (*Pseudophoxinus anatolicus* Hanks, 1925) Meat Yield Determination According to the Gender. Ist International Symposium on Limnology and Freshwater Fisheries. LimnoFish-2017.04-06 October 2017, Eğirdir, TÜRKİYE (Poster presentation).



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### ▪ PUBLICATIONS

### ▪ INTERNATIONAL ARTICLES AND PAPERS

### ▪ International Papers, Seminars, etc.

8. **Erbatur, İ.**, Yağcı, A., Cilbiz, M., Bilgin, F., Apaydın Yağcı, M., 2017. Giant Spring Minnow's (*Pseudophoxinus anatolicus* Hanco, 1925) Meat Yield Determination According to the Gender. Ist International Symposium on Limnology and Freshwater Fisheries. LimnoFish-2017.04-06 October 2017, Eğirdir, TÜRKİYE (Poster presentation).
9. Ceylan, M., Küçükpara, R., **Erbatur, İ.**, Akçimen, U., Savaşer, S., Bulut, C., Cilbiz, M., Meke, T., Çınar, Ş., Kara, D., Sağlam, N., 2017. Catch Efficiency of Medicinal Leech in Turkish Lake Region. I st International Symposium on Limnology and Freshwater Fisheries. LimnoFish-2017.04-06 October 2017, Eğirdir, TÜRKİYE (Poster presentation).
10. Özyılmaz, A. , **Erbatur, İ.**, Yağcı, A., Demirci, S., Bozdoğan Konuşkan, D., 2017. Meat Yield, lipid level, and Fatty Acid Profiles of Anatolian Minnow (*Pseudophoxinus anatolicus*, Hanco, 1925) from Seydişehir/Konya, TÜRKİYE. I st International Symposium on Limnology and Freshwater Fisheries. LimnoFish-2017.04-06 October 2017, Eğirdir, TÜRKİYE (Oral presentation)
11. **Erbatur, İ.**, Yağcı, A., Ceylan, M., Apaydın Yağcı, M., 2017. Regional Distribution of Zebra Mussels (*Dreissena polymorpha*, Pallas 1771) in Lake Eğirdir. XIII. Congress of Ecology and Environment With International Participation. 12-15 September 2017. Edirne, TÜRKİYE (Poster presentation/text summary).
12. Bulut, C., **Erbatur, İ.**, Akçimen, U., 2017. İznik Gölü Su ve Sediment Örneklerinde Bazı Metal Düzeylerinin Araştırılması, XIII. Uluslararası Katılımlı Ekoloji ve Çevre Kongresi, 12-15 Eylül 2017, Edirne, TÜRKİYE (Poster Sunum).
13. Yağcı, A., Taş Divrik, M., Aydın, G.B., **Erbatur, İ.**, Ceylan, M., Apaydın Yağcı, M., Çamur-Elipek, B., 2017. A Taxonomic Study on Chironomidae and Oligochaeta Fauna of Eğirdir Lake. XIII. Congress of Ecology and Environment With International Participation. 12-15 September 2017. Edirne, TÜRKİYE (Poster presentation/text summary).
14. Apaydın Yağcı, M., Yağcı, A., Çınar, Ş., Külköylüoğlu, O., Bulut, C., Yeğen, V., Akçimen, U., Uysal, R., **Erbatur, İ.**, Ceylan, M., Bilgin, F., Yoldaş, B., Korkmaz, B., Yener, O., 2016. Limnological Monitoring Project of the Trophic Structure in Lake Eğirdir. SEAB 2016/ Symposium on EuroAsian Biodiversity. 23-27 May, Antalya, TÜRKİYE (Oral presentation/text summary).



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### ▪ **PUBLICATIONS**

### ▪ **INTERNATIONAL ARTICLES AND PAPERS**

### ▪ International Papers, Seminars, etc.

15. **Erbator, İ.**, Yağcı, A., Cilbiz, M., Bilgin, F., Apaydın Yağcı, M., 2017. Giant Spring Minnow's (*Pseudophoxinus anatolicus* Hanko, 1925) Meat Yield Determination According to the Gender. 1st International Symposium on Limnology and Freshwater Fisheries. LimnoFish-2017.04-06 October 2017, Eğirdir, TÜRKİYE (Poster presentation).
16. Yağcı, A., **Erbator, İ.**, Cilbiz, M., 2016. Otolith length, breadth and weight with total length of fish relation among of Anatolian endemics Giant Spring Minnow (*Pseudophoxinus anatolicus* Hanko, 1925) SEAB 2016/ Symposium on EuroAsian Biodiversity. 23-27 May, ANTALYA, TÜRKİYE (Poster presentation/text summary).
17. **Erbator, İ.**, Yağcı, A., 2016. Weight-Lenght and Lenght-Lenght Relationships of Endemic Species of Giant Spring Minnow (*Pseudophoxinus anatolicus* Hanko, 1925) SEAB 2016/ Symposium on EuroAsian Biodiversity. 23-27 May, Antalya, TÜRKİYE (Poster presentation/text summary).
18. Yağcı, A., Apaydın Yağcı, M., Bilgin, F., **Erbator, İ.**, 2015. Some Physico-Chemical Parameters Concerning the Fish Communities of the Lake Eğirdir (TÜRKİYE). SEAB 2015 Symposium on EuroAsian Biodiversity. 01-05 June, Bakü, AZERBAIJAN (Poster presentation)

### ▪ **NATIONAL ARTICLES AND PAPERS**

### ▪ Articles Published in National Journals

1. Apaydın Yağcı, M., **Erbator, İ.**, Demir, A., Yağcı, A., 2021. A Preliminary Study on Zooplankton Fauna of Kızılca Pond (Konya-Seydişehir/Turkey). Journal of Anatolian Environmental and Animal Sciences, Volume:6, Issue:3, Page: 341-344. <https://doi.org/10.35229/jaes.894232>
2. Ceylan, M., **Erbator, İ.**, 2012 A study on nutrition of medicinal leech (*Hirudo verbana* Carena, 1820): Cannibalism? Ege J Fish Aqua Sci 29(4): 167-170. DOI: [10.12714/egejfas.2012.29.4.03](https://doi.org/10.12714/egejfas.2012.29.4.03)
3. **Erbator, İ.**, Yağcı, A., Ceylan, M., Apaydın Yağcı, M., Gökçek, C.K., 2018. Efficacy of Clove Oil, Eugenol, and 2-Phenoxyethanol as Anesthetic Agent in Giant Spring Minnow's (*Pseudophoxinus anatolicus* Hankó, 1925). Journal Of Limnology and Freshwater Fisheries Research, Cilt:4, Number:3, Page:177-181. [doi.org/10.17216/limnofish.443378](https://doi.org/10.17216/limnofish.443378)



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### ▪ **PUBLICATIONS**

### ▪ **NATIONAL ARTICLES AND PAPERS**

### ▪ **National Papers, Seminars, etc.**

1. Yağcı, A., **Erbatur, İ.**, Uysal, R., Yeğen, V., 2018. New Addition to the Distribution Area of Endemic Beyşehir spined loach (*Cobitis bilseli*). VIII. National Limnology Symposium, 27-29 Augusts, Sakarya (**Poster presentation**).
2. Korkut, S.O., **Erbatur, İ.**, Ceylan, M., Gürlek, M.E., Yıldırım, Z., Apaydın Yağcı, M., 2018. Gastropods of Eğirdir Lake's. VIII. National Limnology Symposium, 27-29 Augusts, Sakarya (**Poster presentation**).
3. **Erbatur, İ.**, Yağcı, A., Ceylan, M., Bilgin, F., Apaydın Yağcı, M., Cilbiz, M., 2018. Investigation of Semi-Controlled Production Possibilities of Giant Spring Minnow's (*Pseudophoxinus anatolicus* Hanks, 1925). VIII. National Limnology Symposium, 27-29 Augusts, Sakarya (**Oral presentation**).
4. **Erbatur, İ.**, 2016. The Investigation Project of Giant Spring Minnow's (*Pseudophoxinus anatolicus* Hanks, 1925) Production Possibilities. Working Meeting on Alternative Internal Aquaculture Species Production. 11-13 January 2016, Antalya, Turkey (**Oral presentation**).
5. **Erbatur, İ.**, Yağcı, A., Cilbiz, M., 2016. Otolith Biometrics of An Endemic Specie Giant Spring Minnow's (*Pseudophoxinus anatolicus* Hanks, 1925) in İnland Wetland in Turkey. 7th National Limnology Symposium, P:56, 31 Augusts-2 September, Mersin, Turkey (**Poster Presentation/text summary**).
6. Bulut C., Akçimen U., Çınar Ş., Savaşer S., **Erbatur İ.**, Yener, O., 2016. Investigation of As, Cr, Ni and Zn Levels In Beyşehir Lake and in Related Streams. 7th National Limnology Symposium, P:20, 31 Augusts-2 September, Mersin-Turkey (**Oral presentation**).
7. Bulut, C., Savaşer S., Akçimen, U., Çınar Ş., **Erbatur, İ.**, 2015. Determination With Trophic State Index of Water Quality in Beyşehir Lake. II. Symposium On Fish Introduction and Reservoir Management (Internaitonal Added) 20-22 May, Eğirdir-Isparta, Turkey (**Poster Presentation/text summary**).
8. Bulut, C., Akçimen, U., **Erbatur, İ.**, 2015. Investigation of As and Cu Levels in İznik Lake and Related Streams. II. Symposium On Fish Introduction and Reservoir Management (Internaitonal Added) 20-22 May, Eğirdir-Isparta, Turkey (**Oral presentation**).
9. Yağcı, A., Alp, A., Apaydın Yağcı, M., Bilgin, F., **Erbatur, İ.**, 2013. The some population of sand smelt (*Atherina boyeri* Risso, 1810) in Lake Eğirdir. 17. National Fisheries Science Symposium, P-108, 3-6 September, İstanbul, Turkey (**Poster Presentation/text summary**).



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### ▪ **PUBLICATIONS**

### ▪ **NATIONAL ARTICLES AND PAPERS**

### ▪ **National Papers, Seminars, etc.**

10. Ceylan, M., **Erbatur, İ.**,2012. A Study on Nutrition of Medicinal Leech (Hirudo verbena Cerena, 1820): Cannibalizm. Symposium on Fisheries And Aquatic Sciences. 21-24 November, Eskişehir, Turkey (**Oral Presentation**)
11. Ceylan, M., **Erbatur, İ.**, Akçimen, U., Bulut, C., 2012. Tıbbi Sülüklerin Yapay Ortamda Barındırılmasında Sünger Materyalin Kullanılabilirliği (Usability of Sponge Material in Artificial Accommodation of Medicinal Leeches). 21. Ulusal Biyoloji Kongresi, 3-7 Eylül 2012, İzmir (21. National Biology Congress, 3-7 September 2012,İzmir) (**Poster Presentation**).

### ▪ **OTHER PUBLICATIONS**

### ▪ **Ph.D. Thesis, Master Thesis, Reports, Books etc.**

1. Master thesis - Structural Properties of Beef Cattle Shelter's in Konya Kulu District

### ▪ **Membership, Training, Course, Meeting, Congress, Symposium and Other Activities**

### ▪ **Trainings Attended as an Educator**

1. Aquaculture (İŞKUR Workers, Eğirdir, Isparta, Türkiye, 02.08.2018)
2. Carp Breeding (Regional Group Meeting, Eğirdir, Isparta, Türkiye, 12.05.2017)
3. Carp Breeding (Regional Group Meeting, Eğirdir, Isparta, Türkiye, 17.05.2016)
4. Breeding of New Freshwater Fish Species (In-Service Training). 05 October 2020, Eğirdir, Isparta, Türkiye.
5. Breeding of New Freshwater Fish Species (In-Service Training). 4-6 May 2021, Eğirdir, Isparta, Türkiye.

### ▪ **Trainings Received**

1. TUBITAK and European Union (EU) Project Preparation Article Writing in International Journals and Effective Presentation Training
2. Statistics and Trial Technique - 1, Ministry of Food, Agriculture and Livestock Service Training Program, 14-18.04.2014, Eğirdir, Isparta, Türkiye.
3. Statistics and Trial Technique - 2, Ministry of Food, Agriculture and Livestock Service Training Program, 05-09.05.2014, Eğirdir, Isparta, Türkiye.





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### ▪ Membership, Training, Course, Meeting, Congress, Symposium and Other Activities Certificate

1. Certificate of Experimental Animal Usage, No: 2017-1/005, SAREM, Eđirdir-İSPARTA.

### ▪ Tasks of Symposium, Congress, Workshop etc.

1. 1 nd International Limnology and Freshwater Fisheries Symposium

2. II. Symposium on Fish Introduction and Reservoir Management (Organizing Committee), 20-22.05.2015, Eđirdir, Isparta, Trkiye.

3. Working Meeting on Alternative Internal Aquaculture Species Production (Organizing Committee), 11-13 January 2016, Eđirdir, Isparta, Trkiye.

### ▪ Referee/Editor in Journals

1. Technical Editorship, 2021. Journal Of Limnology and Freshwater Fisheries Research.

2. Asistant Editorship, 2018-2020. Journal Of Limnology and Freshwater Fisheries Research.

### ▪ Scientific Awards

1. "Best Oral Presentation" Incentive Award, 29.08.2018.VIII. National Limnology Symposium, Limnology Association.

### ▪ Work/task activity/responsibility/events/membership etc.

1. UCTEA Chamber Of Agricultural Engineers, memberships.

### ▪ Areas of expertise

1. Carp (*Cyprinus carpio* Linnaeus, 1758) Reproduction

2. Cultivation of Alternative Species in Aquaculture

3. Giant Spring Minnow (*Pseudophoxinus anatolicus* Hanko, 1925) Reproduction

4. Reproduction of Northern Pike (*Esox lucius* Linnaeus, 1758)

5. Digestive Enzyme Analysis in Fish Larvae