

PERSONAL INFORMATION	
Name	Mustafa CEYLAN, Ph.D.
Degree	Fisheries Engineer
Birth place and date	Eskişehir (Turkey) - 1978
Branches	- Medicinal Leech Research Laboratory - Aquaculture Department - Editorial Board of Institute - Animal Experiments Local Ethics Committee
Areas of interest	- Medicinal leech reproduction - Freshwater leeches taxonomy - Medicinal leech ecology - Inland water ecology - Medicinal biology



CONTACT INFORMATION	
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Academic Links	   

EDUCATION INFORMATION			
Degree	University - Department	Date	Thesis Title
Ph.D.	Süleyman Demirel University – Fisheries Basic Sciences	2010-2016	Determination of Ecology, Population Size and Catch Efficiency of Medicinal Leech (<i>Hirudo verbana</i> Carena, 1820) Populations in Wetlands Around Lake Eğirdir
M.A.	Süleyman Demirel University – Aquaculture	2008-2010	Haematological Investigations of the Rainbow Trouts (<i>Oncorhynchus mykiss</i>) Experimentally Infected With <i>Vibrio anguillarum</i>
B.A.	Süleyman Demirel University	2002-2006	-

FOREIGN LANGUAGE DOCUMENTS			
Language	Test Type	Score	Date
English	Foreign Language Examination for Higher Education Institutions	73.75	2017
English	Interuniversity Council Foreign Language Exam	55.00	2010

INSTITUTION INFORMATION

Date	Degree	Affiliation
2013-	Engineer	Fisheries Research Institute, Eğirdir
2011-2013	Engineer	Mediterranean Fisheries Research, Production and Training Institute Eğirdir Unit
2009-2011	Engineer	Eğirdir Fisheries Research Institute
2003-2009	Technician	Eğirdir Fisheries Research Institute
2002-2003	Technician	Directorate of Agriculture (Sındırgı - Balıkesir)
2000-2002	Technician	Turkey Production Station (Bigadiç - Balıkesir)

PUBLICATIONS

Articles in the Journals Indexed in SCI-Expanded, SSCI, AHCI

- **Ceylan, M.**, Küçük kara, R., Akçimen, 2019. Effects of Broodstock Density on Reproduction Efficiency and Survival of Southern Medicinal Leech, *Hirudo verbana* Carena, 1820. Aquaculture, 498: 279-284. DOI: [10.1016/j.aquaculture.2018.08.016](https://doi.org/10.1016/j.aquaculture.2018.08.016)
- Manav, M., **Ceylan, M.**, Büyükçapar, H.M., 2019. Investigation of reproductive efficiency, growth performance and survival of the southern medicinal leech, *Hirudo verbana* Carena, 1820 fed with mammalian and poultry blood. Animal Reproduction Science, 206: 27-37. DOI: [10.1016/j.anireprosci.2019.05.004](https://doi.org/10.1016/j.anireprosci.2019.05.004)
- Bektaş, Z.H., Savaşer, S., Akçimen, U., **Ceylan, M.**, Yener, O., Bulut, C., 2019. Using of Black Cumin Seed Powder (*Nigella sativa*) as Immunostimulant and Growth Promoter in Rainbow Trout, *Oncorhynchus mykiss* (Walbaum). Turkish Journal of Fisheries and Aquatic Sciences, 19(12): 987-999. DOI: [10.4194/1303-2712-v19_12_01](https://doi.org/10.4194/1303-2712-v19_12_01)
- **Ceylan, M.**, Küçük kara, R., Akçimen, U., Yener, O., 2017. Reproduction Efficiency of the Horse Leech, *Haemopsis sanguisuga* (Linnaeus, 1758). Invertebrate Reproduction & Development, 61(3): 182-188. DOI: [10.1080/07924259.2017.1318096](https://doi.org/10.1080/07924259.2017.1318096)
- Cilbiz, M., Çınar Ş., Cilbiz, N. Çapkın, K., **Ceylan, M.**, 2015. Monofilament Gill Net and Trammel Net Selectivity for the Silver Crucian Carp (*Carassius gibelio* Bloch, 1782) in the Eğirdir Lake, Isparta-Turkey. Iranian Journal of Fisheries Sciences. 13(4): 967-978.
- **Ceylan, M.**, Çetinkaya, O., Küçük kara, R., Akçimen, U., 2015. Reproduction Efficiency of the Medicinal Leech *Hirudo verbana* Carena, 1820. Turkish Journal of Fisheries and Aquatic Sciences. 15: 417-424. DOI: [10.4194/1303-2712-v15_2_27](https://doi.org/10.4194/1303-2712-v15_2_27)

Articles in the Other Journals

- Savaşer, S., Akçimen, U., **Ceylan, M.**, Bektaş, Z. H., Yener, O., & Bulut, C., 2019. Zencefil (*Zingiber officinale*)'in Gökkuşluğu Alabalıklarında (*Oncorhynchus mykiss* Walbaum) İmmunostimulant ve Büyüme Destekleyici Olarak Kullanımı. Journal of Limnology and Freshwater Fisheries Research, 5(2), 121-135. DOI: [10.17216/limnofish.487812](https://doi.org/10.17216/limnofish.487812)
- Erbatur, İ., Yağcı, A., **Ceylan, M.**, Yağcı, M. A., Gökçek, K. Karanfil Yağı, Eugenol ve 2-Phenoxyethanol'ün Yağ Balığı *Pseudophoxinus anatolicus* (Hankó, 1925)'da, Anestetik Madde Olarak Etkinliği. Journal of Limnology and Freshwater Fisheries Research, 4(3), 177-181. DOI: [10.17216/limnofish.443378](https://doi.org/10.17216/limnofish.443378)
- **Ceylan, M.**, Çetinkaya, O., 2017. Investigations on Medicinal Leech Collecting and Economy in Wetlands Around Lake Eğirdir, Turkey. Türkiye Parazitolojisi Dergisi. DOI: [10.5152/tpd.2017.5150](https://doi.org/10.5152/tpd.2017.5150)
- Erol, K. G., Özkök, R., Cilbiz, N., Küçük kara, R., Çınar, Ş., Tümgelir, L., **Ceylan, M.**, Meke, T., Diler, Ö., Didden, B. I., Bahadır Koca, S., 2017. Effect of Different Feed and Stocking Density on Survival and Growth Performance of *Astacus leptodactylus* (Esch., 1823) Juveniles. LimnoFish, 3(3): 159-165. DOI: [10.17216/LimnoFish.304140](https://doi.org/10.17216/LimnoFish.304140)

- Cilbiz, M., Küçükkara, R., **Ceylan, M.**, Savaşer, S., Meke, T., 2015. Trammel Net Selectivity of Common Carp (*Cyprinus carpio* L., 1758) in Manyas Lake, Turkey. *LimnoFish*, 1(1): 1-7. DOI: [10.17216/LimnoFish-5000083989](https://doi.org/10.17216/LimnoFish-5000083989)
- **Ceylan, M.**, Yağcı, A., Akçimen, U., Bilgin, F., Gökçınar, N., Çınar, Ş., 2014. An Investigation of the Leech (Hirudinea) Parasites on the Fish Species Inhabiting the Kovada Canal (Eğirdir-Isparta). *Yunus Araştırma Bülteni*, 2014(4): 9-19. DOI: [10.17693/yunus.57409](https://doi.org/10.17693/yunus.57409)
- Bulut, C., Çetinkaya, O., Kubilay, A., Akçimen, U., **Ceylan, M.**, 2013. Acute Toxicity of Zinc (Cu⁺²) on Sand Smelt (*Atherina boyeri*, Risso, 1810). *Süleyman Demirel University Journal of Natural and Applied Sciences*, 17(3), 32-38.
- Çınar, Ş., Küçükkara, R., Balık, İ., Çubuk, H., **Ceylan, M.**, Erol, K.G., Yeğen, V., Bulut, C., 2013. Detection of Fish Fauna, Species Composition and Distribution of Commercial Fishing According to Species in Lake Uluabat. *Journal of FisheriesSciences.com*, 7(4): 309-316.
- **Ceylan, M.**, Erbatur, 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)
- **Ceylan, M.**, Boyacı, Y.Ö., Meke, T., İnceoğlu, H., Kara, A., 2011. A Report of Ectoparasite *Piscicola geometra* (Linnaeus, 1761) (Hirudinea: Rhynchobdellida) on Roach (*Rutilus rutilus* (Linnaeus, 1758)) from Uluabat Lake. *Türkiye Parazitoloj Derg*, 35(4), 207-209. DOI: [10.5152/tpd.2011.52](https://doi.org/10.5152/tpd.2011.52)
- **Ceylan, M.**, Altun, S., 2011. Haematological Parameters of Rainbow Trouts (*Oncorhynchus mykiss*) Experimentally Infected with *Vibrio Anguillarum*. *Uludag Univ. J. Fac. Vet. Med.*, 29(2), 35-42.
- Yağcı Apaydın, M., Alp, A., Yeğen, V., Uysal, R., Yağcı, A., **Ceylan, M.**, 2008. The growth characteristics of carp (*Cyprinus carpio* L., 1758) population in Lake Işıklı (Çivril-Denizli). *Journal of Fisheries & Aquatic Sciences*. 25(4), 337-341
- Çınar, Ş., Küçükkara, R., **Ceylan, M.**, Çubuk, H., Erol, K.G., Akçimen, U., Savaşer, S., 2008. Investigation of growth features of Rudd (*Scardinius erythrophthalmus* L., 1758) population in Uluabat Lake. *Journal of Fisheries & Aquatic Sciences*, 25, 4: 289-293.
- Tümgelir, L., Çubuk, H., Çınar, Ş., Özkök, R., Küçükkara, R., **Ceylan, M.**, Erol, K.G., Çetinkaya, S., 2007. Growth Features of the Chub (*Leuciscus lepidus* Heckel, 1843) Population in Lake Beyşehir. *Turkish Journal of Aquatic Life*, 3-5, 5-8, 200-208.
- Çınar, Ş., Çubuk, H., Özkök, R., Tümgelir, L., Çetinkaya, S., Erol, K.G., **Ceylan, M.**, 2007. Growth Features of Silver Crucian Carp (*Carassius gibelio* Bloch, 1782) Population in Lake Beyşehir. *Turkish Journal of Aquatic Life*, 3-5, 5-8, 401-409.

Books or Book Parts

-

Poster or Oral Presentations in National Symposium/Congress

- **Ceylan, M.**, 2017. To be leech in Turkey. First National Leech Workshop, 27 April 2017, Elazığ, Turkey (Oral Presentation)
- **Ceylan, M.**, 2016. Step by step to Medical Leech Research Center. Workshop on Alternative Internal Aquaculture Species Production, 11-13 January 2016, Antalya, Turkey (Oral Presentation)
- **Ceylan, M.**, Çetinkaya, O., Akçimen, U., Küçükkara, R., 2015. Effects of Some Environmental Variables on Daily Catch Efficiency of Medicinal Leech (*Hirudo verbana* Carena, 1820). XVIII. National Symposium on Fisheries Science, 01-04 September 2015, İzmir, Turkey (Oral Presentation)
- **Ceylan, M.**, Küçükkara, R., Akçimen, U., Yener, O., 2015. At Sülüğü (*Haemopsis sanguisuga* (Linnaeus, 1758))'nün Üreme Özelliklerinin Belirlenmesi. XVIII. National Symposium on Fisheries Science, 01-04 September 2015, İzmir, Turkey (Poster Presentation)
- **Ceylan, M.**, Çetinkaya, O., Uysal, R., Yeğen, V., 2015. Fish Diversity, Their Size and Proportional Distribution in the Some Medicinal Leech (*Hirudo verbana* Carena, 1820) Populations Habitats around the Lake Eğirdir, Turkey. II. Symposium on Fish Introduction and Reservoir Management, 20-22 May 2015, Isparta, Turkey (Oral Presentation)

- **Ceylan, M.**, Çetinkaya, O., 2015. Research on Using of Aquatic Nests as Housing and Breeding Area of Medicinal Leech *Hirudo verbana*. 6-9 May 2015, Sinop, Turkey (Oral Presentation)
- **Ceylan, M.**, Yağcı, A., Akçimen, U., Bilgin, F., Gökçınar, N.C., Çınar, Ş., 2014. An Investigation of the Leech (Hirudinea) Parasites on the Fish Species Inhabiting the Kovada Canal (Eğirdir-Isparta). V. Eastern Anatolia Region Fisheries Symposium, 31 May-02 June 2014, Elazığ, Turkey (Oral Presentation)

Poster or Oral Presentations in International Symposium/Congress

- **Ceylan, M.**, Küçük kara, R., Erbatur, İ., Karataş, E., Tunç, M., Sağlam, N., 2019. Reproduction and growth performance of the medicinal leeches (*Hirudo* sp.). 14th International Young Scientists' Conference "Biology: From a Molecule Up to the Biosphere". November 27-29, 2019, Kharkiv-Ukraine (Key speaker)
- **Ceylan, M.**, Küçük kara, R., Erbatur, İ., Karataş, E., 2019. Unusual function of wetlands as hirudotherapy centers: An ignored threat in terms of preventive medicine. 1st International Conference on Preventive Medicine. November 12-14, 2019, Antalya-Turkey (Oral Presentation)
- **Ceylan, M.**, 2019. Hirudinea Fauna of Some Lakes of Balıkesir/Turkey. II. International Symposium on Limnology and Freshwater Fisheries. September 03-05, 2019, Elazığ-Turkey (Oral Presentation)
- **Ceylan, M.**, Küçük kara, R., Uysal, R., Erbatur, İ., Savaşer, S., Çetinkaya, O., Bilgin, F., Yegen, V., Demir, A., 2019. Some Biological Parameters of the Medicinal. II. International Symposium on Limnology and Freshwater Fisheries. September 03-05, 2019, Elazığ-Turkey (Oral Presentation)
- Bilgin, F., Cilbiz, M., Uysal, R., **Ceylan, M.**, Cesur, M., Yegen, V., Çetinkaya, S., 2019. Length Based Stock Assessment of Pikeperch (*Sander lucioperca* Linnaeus, 1758) with TROPFISHR in Karataş Lake (Burdur-Turkey). II. International Symposium on Limnology and Freshwater Fisheries. September 03-05, 2019, Elazığ-Turkey (Oral Presentation)
- **Ceylan, M.**, 2019. Overview of National and International Legislations in terms of Medicinal Leeches. 2nd International Health Science and Life Congress. April 24-27, 2019, Burdur-Turkey (Oral Presentation)
- **Ceylan, M.**, 2018. Medicinal leech sector problems and solution suggestions . 1st International Traditional and Complementary Medicine Congress. April 04-06, 2018, Istanbul-Turkey (Oral Presentation)
- **Ceylan, M.**, Erbatur, İ., Küçük kara, R., Akçimen, U., Bulut, C., Savaşer, S., Cilbiz, M., Meke, T., Çınar, Ş., Kara, D., Sağlam, N., 2018. Status of the Medicinal Leech Populations in Lakes Region of Turkey. 1st International Health Science and Life Congress. May 02-05, 2018, Burdur-Turkey (Oral Presentation)
- **Ceylan, M.**, Çetinkaya, O., Sağlam, N., Küçük, M. Ö., Bayav, A., 2018. A Nature Education Project: "I Recognize and Conserve Before Extinct: Medicinal Leeches". International Symposium on Fisheries and Aquatic Sciences (FABA). October 21-23, 2018, Ankara-Turkey (Oral Presentation)
- **Ceylan, M.**, Erbatur, İ., Küçük kara, 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, Turkey. International Symposium on Fisheries and Aquatic Sciences (FABA). October 21-23, 2018, Ankara-Turkey (Oral Presentation)
- 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*, HANKO 1925). International Symposium Ecology 2018. June 19-23, 2018, Kastamonu-Turkey (Poster Presentation)
- Yağcı, A., Boyacı, Y.Ö., Erbatur, İ., **Ceylan, M.**, Apaydın Yağcı, M., 2018. Eğirdir Lake Water Mite (Hydrachnidae, Acari) Fauna. International Symposium Ecology 2018. June 19-23, 2018, Kastamonu-Turkey (Poster Presentation)
- Küçük kara, R., **Ceylan, M.**, Zengin, M., İlhan, S., 2018. Hirudinea Fauna of the Lake Yeniçağa (Bolu, Turkey). International Symposium on Fisheries and Aquatic Sciences (FABA). October 21-23, 2018, Ankara-Turkey (Poster Presentation)

- **Ceylan, M.**, Çetinkaya, O., 2017. Assessment of Population Structure and Size of Medicinal Leech *Hirudo verbana*, Inhabiting some Model Wetlands of Turkey. International Symposium on Limnology and Freshwater Fisheries. October 04-06, 2017, Eğirdir/Isparta-Turkey (Oral Presentation)
- **Ceylan, M.**, Küçükkkara, R., Akçimen, U., Cesur, M., Çapkın, K., Bilgin, F., 2017. First Report on Introduction of Medicinal Leech to The Wild. International Symposium on Limnology and Freshwater Fisheries. October 04-06, 2017, Eğirdir/Isparta-Turkey (Poster Presentation)
- **Ceylan, M.**, Çetinkaya, O., 2017. Reproduction Ecology of Medicinal Leech, *Hirudo verbana* in Wetlands Around Lake Eğirdir, Turkey. International Symposium on Limnology and Freshwater Fisheries. October 04-06, 2017, Eğirdir/Isparta-Turkey (Poster Presentation)
- **Ceylan, M.**, Küçükkkara, 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. International Symposium on Limnology and Freshwater Fisheries. October 04-06, 2017, Eğirdir/Isparta-Turkey (Poster Presentation)
- Savaşer, S., Akçimen, U., **Ceylan, M.**, Hanol Bektaş, Z., Yener, O., Bulut, C., R., 2017. Use of Dietary Ginger (*Zingiber officinale*) as Immunostimulant in Rainbow Trout (*Oncorhynchus mykiss*). International Symposium on Limnology and Freshwater Fisheries. October 04-06, 2017, Eğirdir/Isparta-Turkey (Oral Presentation)
- Çetinkaya, S., Yeğen, V., Uysal, R., Akçimen, R., Bilgin, U., **Ceylan, M.**, 2017. Seasonal Changes of Length-Weight, Meat Yield and Chemical Composition of Khramulya Fish (*Capoeta antalyensis*). International Symposium on Limnology and Freshwater Fisheries. November 04-06, 2017, Eğirdir/Isparta-Turkey (Oral Presentation)
- **Ceylan, M.**, Çetinkaya, O., 2016. Catch Efficiency of Medicinal Leech *Hirudo verbana* Carena, 1820 in Wetlands Around Lake Eğirdir, Turkey. International Symposium on Fisheries and Aquatic Sciences (FABA). November 03-05, 2016, Antalya-Turkey (Poster Presentation)
- Küçükkkara, R., **Ceylan, M.**, Akçimen, U., 2016. Effects of Broodstock Density on Reproduction Efficiency of Medicinal Leech *Hirudo verbana* Carena, 1820. International Symposium on Fisheries and Aquatic Sciences (FABA). November 03-05, 2016, Antalya-Turkey (Oral Presentation)
- Akçimen, U., **Ceylan, M.**, Yeğen, V., Uysal, R., Bilgin, F., Yağcı, M.A., 2016. First Report of *Eustrongylides excisus* (Jagerskiöld, 1909) Larvae in Rainbow Trout (*Oncorhynchus mykiss*) for Turkey. International Symposium on Fisheries and Aquatic Sciences (FABA). November 03-05, 2016, Antalya-Turkey (Poster Presentation)
- Savaşer, S., Akçimen, U., **Ceylan, M.**, Hanol Bektaş, Z., Yener, O., Bulut, C., 2016. Effect of Dietary Black Seed (*Nigella sativa*) on Growth of Rainbow Trout (*Oncorhynchus mykiss*). International Symposium on Fisheries and Aquatic Sciences (FABA). November 03-05, 2016, Antalya-Turkey (Poster Presentation)
- **Ceylan, M.**, Çetinkaya, O., Küçükkkara, R., Akçimen, U., 2014. The Reproduction Efficiency of the Medicinal Leech *Hirudo verbana* Carena, 1820. International Symposium on Fisheries and Aquatic Sciences (FABA). September 25-27, 2014, Trabzon-Turkey (Oral Presentation)

GRADUATE THESIS SUPERVISED

Ph.D. Thesis (Co-Advisor)

Period	Student	University/Institute/Depart.	Thesis Title
2019-....	Emin KARATAŞ	Sinop University, Graduate School of Natural and Applied Sciences, Department of Aquaculture	Investigation of Growth and Reproduction Performance and Survival of Medicinal Leech, <i>Hirudo verbana</i> Carena, 1820 Feed with Cattle Blood Having Different Glucose Doses

Master Thesis (Co-Advisor)

Period	Student	University/Institute/Depart.	Thesis Title
2016-2019	Murat MANAV	Kahramanmaraş Sütçü İmam University, Graduate School of Natural and Applied Sciences, Department of Aquaculture	Determination of Growth and Reproduction Properties of Medicinal Leech (<i>Hirudo verbana</i> Carena, 1820) Feeding by Cattle and Chicken Bloods

PROJECTS

Date	Supporter Foundation	Project Title	Task
2018-2020	The Scientific and Technological Research Council of Turkey (1001)	Investigation of the Growth and Reproduction Properties and Survival Rates of the Medicinal Leech, <i>Hirudo sulukii</i> in Laboratory Condition	Project Leader
2018	The Scientific and Technological Research Council of Turkey (4004)	I Recognize and Conserve Before Extinct: Medicinal Leeches	Project Leader
2018	The Scientific and Technological Research Council of Turkey (4004)	Silent nature	Instructor
2018-2020	General Directorate of Agricultural Research and Policies	Determination of Size and Catchable Stock of Leech Populations in Basins of Sakarya and Kızılırmak (Turkey)	Project Leader
2017-	Scientific Research Project Coordination Unit of Kahramanmaraş Sütçü İmam University	Determination of Growth and Reproduction Properties of Medicinal Leech (<i>Hirudo verbana</i> Carena, 1820) Feeding by Cattle and Chicken Bloods	Project Advisor
2013-2015	Scientific Research Project Coordination Unit of Süleyman Demirel University	Determination of Ecology, Population Size and Catch Efficiency of Medicinal Leech (<i>Hirudo verbana</i> Carena, 1820) Populations in Wetlands Around Lake Eğirdir	Researcher
2011-2014	General Directorate of Agricultural Research and Policies	Study of Fauna and Economical Importance of Leeches in Lakes Region (Turkey)	Project Leader

2012-2013	General Directorate of Agricultural Research and Policies	Determination of Marsh Frog <i>Pelophylax ridibunda Pallas, 1771 (Rana ridibunda Pallas, 1771)</i> Stocks in Lakes Region (Turkey)	Researcher
	General Directorate of Agricultural Research and Policies	Stock Estimation of The Economical Fish in Manyas Lake	Researcher

TRAINING

Educator

- Medicinal leeches and Bio-smuggling (Istanbul Airport, Istanbul - 27.12.2019)
- The design of animal experiments (The Courses of Experimental Animal Usage, Eğirdir-Turkey, 27.06.2019)
- Introduce to medicinal leeches ("I Recognize and Conserve Before Extinct: Medicinal Leeches" Project on Nature Education - 24.09.2018)
- Why are medicinal leeches endangered? ("I Recognize and Conserve Before Extinct: Medicinal Leeches" Project on Nature Education - 24.09.2018)
- Techniques of taking of blood and samples (The Courses of Experimental Animal Usage, Eğirdir-Turkey, 18.01.2017)
- Production of Experimental Animals (The Courses of Experimental Animal Usage, Eğirdir-Turkey, 18.01.2017)
- Population Size Estimation Methods of Medicinal Leeches (In-Service Training, Eğirdir-Turkey, 05.10.2016)
- Overview of the Medical Leech Sector (Regional Group Meeting, Eğirdir-Turkey, 17.05.2016)
- Ecological Relationships of Medicinal Leech *Hirudo verbana* (Regional Group Meeting, Eğirdir-Turkey, 17.05.2016)
- Reproduction Possibility of Medicinal Leech *Hirudo verbana* (Regional Group Meeting, Eğirdir-Turkey, 17.05.2016)
- Medical Leech Stock Estimation Methods (In-Service Training, Eğirdir-Turkey, 2012)

Learner

- Morphological and Molecular Identification Techniques in Leeches (Eğirdir-Isparta, Turkey – September 05-14, 2017). Educator: Prof. Dr. Serge UTEVKSY - V.N. Karazin Kharkiv National University, UKRAINE
- Regional Training on Broodstock Management and Sex Determination by Using Ultrasound Method in Sturgeons (Baku, Azerbaijan - 2012). Educator: Prof. Dr. Mikhail S. CHEBANOV - Kuban State University, RUSSIA
- Statistics and Trial Technique - 1, Ministry of Food, Agriculture and Livestock Service Training Program, 14-18.04.2014, Eğirdir, Turkey. Educator: Mr. Alametdin BAYAV - Fruit Research Institute, TURKEY
- Statistics and Trial Technique - 2, Ministry of Food, Agriculture and Livestock Service Training Program, 05-09.05.2014, Eğirdir, Turkey. Educator: Mr. Alametdin BAYAV - Fruit Research Institute, TURKEY

Certificate

- Experimental Animal Use Certificate: Süleyman Demirel University- Local Committee on Animal Research Ethics (Isparta, Turkey - 2009)
- Amateur Seaman's Certificate: Antalya Harbor Master (Isparta, Turkey - 2019)

SCIENTIFIC ACTIVITIES

Tasks of Symposium, Congress, Workshop etc.

- International Symposium on Limnology and Freshwater Fisheries (Symposium Secretaria), 04-06.10.2017, Eğirdir/Isparta, Turkey.
- Workshop on Alternative Internal Aquaculture Species Production (Organizing Committee), 11-13.01.2016, Antalya, Turkey.
- II. Symposium on Fish Introduction and Reservoir Management (Organizing Committee), 20-22.05.2015, Eğirdir, Turkey.
- Workshop on Crayfish in Eğirdir Lake (Organizing Committee), 29.04.2014, Isparta.

ACADEMIC TASKS

Referee/Editor in Journals

- [International Symposium on Limnology and Freshwater Fisheries](#) [Scientific Committee] [03-05 September 2019]
- [International Symposium on Limnology and Freshwater Fisheries](#) [Scientific Committee] [04-06 October 2017]
- [LimnoFish \(Journal of Limnology and Freshwater Fisheries Research\)](#) [Editorial Board] [2017-....]
- [LimnoFish \(Journal of Limnology and Freshwater Fisheries Research\)](#) [Co-Editor] [2015-2017]
- [LimnoFish \(Journal of Limnology and Freshwater Fisheries Research\)](#) [Founding Editor] [2014-2015]

OTHERS ACTIVITIES

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

- Google Global Top Contributor Summit – San Jose /California - 30 September -2 October 2013
- Google Global Top Contributor Summit – Santa Clara/California - 13-14 September 2011

Date of update: January 01, 2020