



**TAGEM**  
AR-GE & İNOVASYON

Mediterranean Fisheries Research,  
Production and Training Institute /Antalva

## AHMET MEFUT Veterinary Medicine

### EDUCATION

- **Assoc. Prof.**
- **Doctorate**
- **Master**  
Uludağ University Veterinary Faculty - 1986
- **Lisans**  
Uludağ University Veterinary Faculty - 1986
- **Language** English

### CAREER

- Private Clinic. Köşk/AYDIN August 1986 – March 1987  
SÜTAŞ / BURSA January 1988 – August 1988
- Tercan District Directorate of Agriculture  
/Erzincan/Turkey September 1988-September 1991
- Milas District Directorate of Agriculture /MUĞLA  
October 1991 - September 1998
- Kepez Directorate of Aquaculture Production Station  
/Antalya/Turkey. October 1998- October 2004
- Mediterranean Fisheries Research, Production and  
Training Institute/ Antalya/Turkey.  
November 2004–Continue.

### ABOUT ME

He was born in Zara/SİVAS in 1963. He graduated from Aydın High School in 1981 and Uludağ University Faculty of Veterinary Medicine in 1986. After working for 10 years in the District Directorates of Agriculture, he started working at the Mediterranean Fisheries Research, Production and Training Institute in 1998.

He worked in many projects related to fish diseases and breeding, and as the disease group manager in the international project called Flat Fish Breeding within the framework of cooperation with the Ministry of Agriculture and Forestry and JICA. Most recently, he completed the projects of Investigation of Parasitic and Bacterial Disease Agents in Imported Aquarium Fish and Detection of Bacterial and Parasitic Agents in Aquarium Enterprises in the Mediterranean Region as project leader. He participated in training programs on fish diseases in Japan and Spain.

### CONTACT

Akdeniz Su Ürünleri araştırma Üretme ve  
Eğitim Enstitüsü,  
Yeşilbayır Mahallesi, Akdeniz Bulvarı No:2,  
07190, Döşemealtı / Antalya



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## **PROJECTS**

### **Completed Projects**

1. Disease, Technical and Economic Investigation of Trout Farms in the Mediterranean Region. Searching. (2000-2002)/Researcher
2. Sustainable Production Modeling in Beymelek Lagoon Management/Researcher. TAGEM/HAYSÜD/2002/09/02/05)
3. Determination of the Effects of Fish Farming and Basin Source Pollution on Eşen Stream Ecosystem with Mathematical Modeling Methods and Control of Nutrient Flow to the Mediterranean/Researcher. 2007-2010, TÜBİTAK ÇAYDAG (107Y084)
4. Flat Fish Breeding Project. Disease group responsible. (JICA, 2007-2011)
5. Investigation of Parasitic and Bacterial Disease Agents in Imported Freshwater Aquarium Fish. Project leader. (2011-2013). TAGEM/HS/11/09/02/193.
6. Investigation of the Prevalence of Some Important Zoonotic Bacteria in Sea Bass, Sea Bream and Trout Cultured in Turkey/ Researcher TAGEM/HS/2015
7. Determination of Reproductive Characteristics and Breeding Criteria of Doctor Fish (Garra rufa and Cyprinion macrostomus)/Researcher. TAGEM/HAYSÜD/2014/A11/P-01/3.
8. Examination of the Structural, Social and Economic Situation and Market Structure of Enterprises Producing Ornamental Fish in Turkey -2018.
9. There is life in water, 2020 TÜBİTAK
10. Detection of Bacterial and Parasitic Factors in Aquarium Enterprises in the Mediterranean Region / Project Leader.
11. Effect of the Use of Leonardite and Leonardite Sourced Humic Acid in Aquaponics System on Vegetables and Fish/Researcher.
12. Investigation of Toxic Pathological Findings in Sea Bass (Dicentrarchus labrax L., 1758) Treated with High Dose Chlorine Dioxide
13. Investigation of the presence of Viral Nervous Necrosis (VNN) virus in Sea Bass (Dicentrarchus labrax), Sea Bream (Sparus aurata) and some Mullet species (Mugil spp.) in lagoons in the Mediterranean region (Akyatan, Akgöl-Paradeniz and Beymelek).

### **Projects in progres**

1. Determination of Multi-Purpose Breeding Criteria for Antalya Yellowfish (Capoeta antalyensis, (Battalgil, 1943)
2. European Release (Silurus glanis) Research on Production and Breeding Techniques
3. Investigation of Production Possibilities of European Eel (Anguilla anguilla L. 1758) under Controlled Conditions.



## **PUBLICATIONS**

### **INTERNATIONAL ARTICLES PAPERS**

Ahmet Mefut, Ufuk Oğuz, Cansu Fidan Yeşiltaş, Cemil Güçlü. *Aeromonas veronii* Infection in Telescope Goldfish (*Carassius auratus*) in a Production Farm. 13th International Symposium on Fisheries and Aquatic Sciences Proceedings Book. Isbn: 978-605-68894-0-0. 17.12.2018.

### **Articles Published in International Journals**

#### **SCI, SSCI and AHCI indexed**

1. Sevgılı H., Kurtoglu A., Oikawa M., Mefut A., Süyek R., (2012) The Use of Farmed Salmon Oil to Replace Anchovy Oil in Diet of Turbot, *Psetta maxima*, Reared in Brackish Water. Journal of the World Aquaculture Society. Vol. 43, no. 4.
2. G. Kalaycı, B. Özkan, K. Pekmez, M. Kaplan, A. Mefut and A. Anıl Çağırğan, (2018)
3. First detection of Cyprinid herpesvirus-2 (CyHV-2) followed by screening and monitoring studies in Goldfish (*Carassius Auratus*) in Turkey). Bull. Eur. Ass. Fish Pathology 38(4).

#### **Outside of SCI, SSCI and AHCI coverage**

Mefut A., Emre Y., Diler Ö., Altun S., İnce İ. (2007). Detect and Control of Bacterial Fish Pathogens in Rainbow Trout (*Oncorhynchus mykiss*) Farm in Mediterranean Region. Journal of Turkish Aquatic Life. 5-8, P: 9-18.

#### **Poster Presentations and Oral Presentations at National Symposiums/Workshops/Congresses** **(\*Publications with Full Text Printed)**

Mefut A., Emre Y., Diler Ö., Altun S., İnce İ. (2007). Detect and Control of Bacterial Fish Pathogens in Rainbow Trout (*Oncorhynchus mykiss*) Farm in the Mediterranean Region. Symposium of National Water Days. Antalya

Mefut A., Emre N., Dedebali N. Çelikoğlu B. (2011) Scuticociliatosis in Turbot, *Psetta maxima*, Reared in Brackish Water. 6'th. Symposium of National Aquaculture Production.

Mefut Ahmet, Aksoy Abdülkerim, Emre Nesrin, Dal İsmail (2015). Determination of Bacterial Disease Agents in Imported Freshwater Aquarium Fish. 18. National Fisheries Symposium. Izmir. Turkey.

Ahmet Mefut, Abdülkerim Aksoy, Nesrin Emre, İsmail Dal (2017). Determination of Parasitic Disease Agents in Imported Freshwater Aquarium Fish. 19th National Fisheries Symposium. September 12-15, 2017. Sinop. Turkey.



Ahmet Mefut, Soner Sezen, Faruk Pak, Cansu Yeşiltaş (2019). Detection of *Chryserobacterium Indologenes* and *Chryserobacterium Meningosepticum* Bacteria in a Frog Breeding Farm. 20th National Aquaculture Symposium. Mersin

**Oral Presentations Presented in International Symposiums/Workshops/Congresses**  
**(\*Full Text Printed Publications)**

1. Ahmet Mefut, Ufuk Oğuz, Cansu Fidan Yeşiltaş, Cemil Güçlü (2018). *Aeromonas Veronu* Infection In Telescope Gold Fish. (13th International Symposium on Fisheries and Aquatic Sciences ( FABA2018) Ankara, Turkey.
2. Ahmet Mefut, Ufuk Oğuz, Eda Vural, Cemil Onurcan Güçlü, M. Cansu Yeşiltaş, Soner Sezen. İsmail Dal, Doç. Dr. Gökmen Zafer Pekmezci. Detection Of Parasitic Agents In Aquarium Farms In The Mediterranean Region. The 2nd International Symposium on Fisheries and Aquatic Sciences (SOFAS 2023). October 24-26 2023. Trabzon. Turkey

**Book/Book Chapters**

1. Mefut A., Emre N., Çelikoğlu B., Dedebali N., Takeno N., Wakita K. (2011) Field Guide of Kalkan (*Psetta maxima*) Disease. 4th Edition. Project for Flatfish Culture. Mediterranean Fisheries Research, Production and Training Institute/ Antalya/Turkey.
2. Aksoy, A., Çelikoğlu, B., Dedebali, N., Emre, N., Emre, Y., Ertekin, H., Fedakar, D., İtami, T., Kocakaya, S., Kurtuluş, A., Maekawa, A., Mefut, A., Nezaki, G., Oikawa, M., Öztürk, E., Sakai, M., Sevgili, H., Sümer, Ç., Süyek, R. Takeno, N., Tekşam, İ., Udagawa, K., Wakita, K. Kalkan (*Psetta maxima*) Culture Manual. 2<sup>nd</sup> Edition. Project for Flatfish Culture. Mediterranean Fisheries Research, Production and Training Institute/ Antalya/Turkey.
3. Mefut A., Çelikoğlu B., Kocakaya S., Dedebali N., Emre N., (2011). Prevention Disease Manual on Kalkan (*Psetta maxima*) Culture. Project for Flatfish Culture. Mediterranean Fisheries Research, Production and Training Institute/ Antalya/Turkey.
4. Emre N., Dedebali N., Mefut A., Çelikoğlu B., Wakita K. (2011). Rapid Diagnosis for Kalkan (*Psetta maxima*) Disease. 3<sup>rd</sup> Edition. Project for Flatfish Culture. Mediterranean Fisheries Research, Production and Training Institute/ Antalya/Turkey.



**Training/Seminars Lectured**

**Inservice Training Courses**

1. Treatment Methods for Fish Diseases. TEDGEM Staff. 05-14 OCTOBER 2004 Kepez Aquaculture Production Station Directorate Antalya-2004.
2. Vaccination Methods in Fish and Their Applicability in Our Enterprise - Kepez Aquaculture Production Station Directorate Antalya-2004.
3. Treatment Methods for Fish Diseases. Inland Water Fish Farming Techniques and Cultivation and Production of Live Food Resources. Mediterranean Fisheries Research, Production and Training Institute Directorate. Antalya-2006.
4. Sending Samples for Fish Diseases - Protection from Fish Diseases. Provincial Directorate Technical and Health Personnel. Antalya Provincial Directorate of Agriculture. 2009.
5. Diseases Encountered in Turbot Breeding. Producer Seminar. Mediterranean Fisheries Research, Production and Training Institute. Antalya-2009.
6. Diseases and Precautions Encountered in Turbot Breeding. November 2009. Çanakkale 18 Mart University.
7. Diseases and Precautions Encountered in Turbot Breeding. Turbot Breeding and Development Status of the Turbot Project. Mediterranean Fisheries Research, Production and Training Institute. Antalya-2010.
8. Hygiene and Prophylaxis in Fish Enterprises and Hatcheries. Mediterranean Fisheries Research, Production and Training Institute Directorate. Antalya-2010.
9. New Approaches to the Treatment of Fish Diseases. New Technologies Applied in Aquaculture. Mediterranean Fisheries Research, Production and Training Institute Directorate. 2010. Antalya.
10. Hygiene and Disease Prevention in Fish Farming. Institute Technical Staff. Mediterranean Fisheries Research, Production and Training Institute. 2011. Antalya.
11. Taking and sending samples for fish diseases - Hygiene and Protection in Fish Farming - Diseases Encountered in Kalkan Farming. Important Fish Diseases Encountered in Aquaculture, Hygienic Problems and Clinical Applications. Mediterranean Fisheries Research, Production and Training Institute. 2011. Antalya.
12. Fish Behavior - Taking and Sending Samples in Fish Diseases - Hygiene and Protection in Fish Farming - Early Diagnosis System - Diseases Encountered in Kalkan Farming. Fish Diseases; Hygiene, Protection and Early Diagnosis Systems. Mediterranean Fisheries Research, Production and Training Institute. 2012. Antalya.
13. Disease Management in Aquarium Fish Production. 2013. Antalya.
14. Common Diseases and Treatment Methods in Aquarium Fish Breeding. Ornamental Fish, Species, Breeding Techniques and Applications In-Service Training Course. 18-19.04.2018. Antalya.
15. Fish anatomy, Fish Behavior, Bacterial and Fungal diseases in fish, Basic Surgery (Fish necropsy and sampling techniques from fish organs), Alternative Methods (Ethics of Animal Experiments and Alternative Methods), Microbiological standardization, Fish Welfare, Blood and sampling techniques from fish, Drug administration and injection techniques, Handling techniques (Fish Handling, Transport and Branding),
16. Laboratory Animal Use Certificate Training Program (Category A). 5-13 November 2018. Antalya.





17. Fish anatomy, Fish Behavior, Bacterial and Fungal diseases in fish, Basic Surgery (Fish necropsy and fish organ sampling techniques), Alternative Methods (Ethics of Animal Experiments and Alternative Methods), Microbiological standardization, Fish Welfare, Fish Blood and sampling techniques , Drug administration and injection techniques, Handling techniques (Fish Handling, Transport and Branding). Laboratory Animal Use Certificate Training Program (Category A). 14 - 25.03.2022. Antalya.
18. Fish anatomy, Fish Behavior, Bacterial and Fungal diseases in fish, Basic Surgery (Fish autopsy and sampling techniques from fish organs), Alternative Methods (Ethics of Animal Experiments and Alternative Methods), Microbiological standardization, Fish Welfare, Blood and sampling techniques from fish , Drug administration and injection techniques, Handling techniques (Fish Handling, Transport and Branding). Laboratory Animal Use Certificate Training Program (Category A). 17 - 28.10.2022. Antalya.
19. Fish anatomy, Fish Behavior, Bacterial and Fungal diseases in fish, Basic Surgery (Fish autopsy and sampling techniques from fish organs), Alternative Methods (Ethics of Animal Experiments and Alternative Methods), Microbiological standardization, Fish Welfare, Blood and sampling techniques from fish , Drug administration and injection techniques, Handling techniques (Fish Handling, Transport and Branding). 02 – 13 October 2023. Antalya.
20. Laboratory Animal Use Certificate Training Program (Category A).
21. Fish field sampling for disease monitoring. FISHCap Training Program. 27 February-3 March 2023.
22. Welfare of farmed fish. FISHCap Training Program. 27 February-3 March 2023
23. Bacterial diseases of fish. FISHCap Training Program. 27 February-3 March 2023
24. Fungal diseases of fish. FISHCap Training Program. 27 February-3 March 2023
25. Meeting of Branch Managers of the Provincial Directorate of Fish Diseases in Aquaculture, Ministry of Agriculture and Forestry. 17/10/2023. Antalya.
26. Hygiene and Disease Protection in Fish Farming. Fishing Evaluation Meeting. 20-22/11/2023. Antalya.

#### Trainings Provided to Foreign Country Experts

1. Introduction to Fish Diseases - Bacterial Fish diseases - Viral Fish diseases. Training of trainers program TIKa-2009, Antalya. (Burkina Faso, Comoros, Djibouti, Guinea Conacry, Guinea Bissau, Kenya, Mali, Madagascar, Rwanda, Senegal, Tanzania, Uganda).
2. Bacterial Fish diseases- Viral Fish diseases. Development of Sustainable Aquaculture International Training Program (3rd Country Training Program - Azerbaijan, Kyrgyzstan, Tajikistan, Kazakhstan, Uzbekistan, Turkmenistan) 2010.
3. Fish Diseases and Sample sending. Development of Sustainable Aquaculture International Training Program (3rd Country Training Program - Azerbaijan, Kyrgyzstan, Tajikistan, Kazakhstan, Uzbekistan, Turkmenistan) 2011.
4. Sending Samples to the Laboratory for Fish Diseases - Hygiene and Protection in Fish Diseases. TIKa&JICA. Development of Sustainable Aquaculture International Training Program (3rd Country Training Program-Azerbaijan, Kyrgyzstan, Tajikistan, Kazakhstan, Uzbekistan, Turkmenistan) 2012.
5. Disease Management in Aquarium Fish Production. Regional Program for the Development of Aquaculture and Fisheries in Central Asian Countries - FAO - FISHDEV- Carp and Aquarium Fish Breeding (Azerbaijan, Kyrgyzstan, Tajikistan, Uzbekistan) 2013.
6. Experimental Animal Use Certificate Training Course. February 2015.



7. Sampling and Hygiene For Trout Culture. Tentative Curriculum Of The Second Course On Development Of Sustainable Aquaculture For Central Asia. 28 November- 9 December 2016. Antalya.
8. Sampling and Hygiene. Fish Vaccines and Vaccination Methods. Tentative Curriculum Of The Third Course On The Development Of Sustainable Aquaculture For Middle East. 9-22 January 2017. Antalya.
9. Fish Vaccines and Vaccination Methods. Training Program for Future Trainees from Botswana and Gambia. 27 November -1 December 2017.
10. Fish Diseases, Fish Vaccines and Vaccination Methods. Tentative Curriculum Of The Third Course On The Development Of Sustainable Aquaculture For Central Asia. 8-20 January 2018. Antalya.
11. Bacterial Fish Diseases, Fish Vaccines and Vaccination. Curriculum On Inland Fish Culture For Niger. Applied Training. 24.4.2018-4.5.2018 Antalya.
12. Experimental Animal Use Certificate Training Course. October 2018.
13. Methods. Curriculum Of Freshwater And Marine Aquaculture For Palestine. 03-07/12/2018. Antalya.
14. Bacterial Fish Diseases. Marine Cage Culture Training Program for Iranian participants. 14-26 November 2021. Antalya.

#### **National and International Training/Courses Received**

- 1.** Fish Diseases. 25 July-18 August 2000. Fisheries Central Research Institute Trabzon
2. Molecular and Traditional Diagnostic Methods of Fish Diseases. June 2006. Central Fisheries Research Institute / Trabzon
3. Diagnosis Methods of Fish Diseases. 7-18 August 2006. Bornova Veterinary Control Research Institute Directorate / Izmir
4. Protection of Cultured Fish from Diseases and Fish-borne Diseases. 26 August-30 October 2008- Japan International Cooperation Agency (JICA) Japan.
5. Diagnostics And Prevention For Fish Parasite Control In Aquaculture. 21-25 October 2019. Zaragoza (Spain),