

Assoc. Prof. Menekşe Didem DEMİRCAN

Personal Information

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International Researcher IDs

ScholarID: ZVHahEAAAAJ

ORCID: 0000-0002-3571-4682

Publons / Web Of Science ResearcherID: A-1801-2016

ScopusID: 10641719800

Yoksis Researcher ID: 57138

Education Information

Doctorate, Istanbul University, Institute of Graduate Studies In Sciences, Yetiştiricilik, Turkey 2004 - 2010

Postgraduate, Istanbul University, Institute of Graduate Studies In Sciences, Yetiştiricilik, Turkey 2000 - 2004

Undergraduate, Istanbul University, Su Ürünleri Fakültesi, Turkey 1996 - 2000

Certificates, Courses and Trainings

Education Management and Planning, EĞİTİCİNİN EĞİTİMİ, 2019

Research Areas

Agricultural Sciences, Seafood, Aquatic Diseases

Academic Titles / Tasks

Associate Professor, Istanbul University, Faculty of Aquatic Sciences, Department of Aquaculture and Fish Diseases, 2019
- Continues

Assistant Professor, Istanbul University, Faculty of Aquatic Sciences, Department of Aquaculture and Fish Diseases, 2018
- 2019

Assistant Professor, Istanbul University, Su Ürünleri Fakültesi, Yetiştiricilik, 2016 - 2018

Assistant Professor, Muğla Sıtkı Kocman University, Faculty Of Aquaculture, Su Ürünleri Avlama Ve İşleme Teknolojileri, 2010 - 2016

Research Assistant, Istanbul University, Su Ürünleri Fakültesi, Yetiştiricilik, 2005 - 2010

Academic and Administrative Experience

Akreditasyon, Sürekli Gelişim ve Yenilenme Kurulu Üyesi, Istanbul University, Faculty Of Aquatic Sciences, Department of

Aquaculture and Fish Diseases, 2018 - Continues

Fakülte Spor Sorumlusu, Istanbul University, Faculty Of Aquatic Sciences, Department of Aquaculture and Fish Diseases, 2018 - Continues

Assistant Coordinator, Istanbul University, Faculty Of Aquatic Sciences, Department of Aquaculture and Fish Diseases, 2019 - 2021

Head of ADEK Commission, Mugla Sitki Kocman University, Faculty Of Aquaculture, 2012 - 2015

Courses

Su Ürünlerinde Farmakoloji, Undergraduate, 2023 - 2024, 2022 - 2023

Balık Hücre Hatları ve Kültür Teknikleri, Postgraduate, 2022 - 2023

Bilimsel Araştırma Teknikleri ve Yayın Etiği, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

BALIK HASTALIKLARI TEŞHİSİNDE MOLEKÜLER YÖNTEMLER, Postgraduate, 2022 - 2023, 2021 - 2022

Fish Diseases Management, Undergraduate, 2021 - 2022

Introduction to fish health, Undergraduate, 2022 - 2023, 2020 - 2021

Patoloji, Undergraduate, 2016 - 2017

Genel Mikrobiyoloji, Undergraduate, 2016 - 2017

Genel Mikrobiyoloji, Undergraduate, 2014 - 2015

Su Ürünleri Farmakolojisi, Undergraduate, 2014 - 2015

Advising Theses

DEMİRCAN M. D., Oksitetrasiklin Kullanımının Levrek (*Dicentrarchus labrax*, L. 1758) Balığı İmmün Sistemi Üzerindeki Etkisinin Belirlenmesi, Doctorate, C.Öntaş(Student), 2017

DEMİRCAN M. D., DALYAN İZTUZU PLAJI'NİN BAKTERİYOLOJİK KİRLİLİK SEVİYESİNİN BELİRLENMESİ, Postgraduate, S.Böyükalan(Student), 2015

Jury Memberships

Post Graduate, Yüksek Lisans Tez Savunma Sınavı, İstanbul Üniversitesi Fen Bilimleri Enstitüsü, March, 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **New Insights into Lymphocystis Disease Virus Genome Diversity**
Benkaroun J., Bergmann S. M., Römer-Oberdörfer A., Demircan M. D., Tamer C., Kachh G. R., Weidmann M.
VIRUSES, vol.14, no.12, pp.2741-2752, 2022 (SCI-Expanded)
- II. **Origin and invasion of the emerging infectious pathogen *Sphaerothecum destruens***
Sana S., Hardouin E. A., Gozlan R. E., Ercan D., Tarkan A. S., Zhang T., Andreou D.
EMERGING MICROBES & INFECTIONS, vol.6, 2017 (SCI-Expanded)
- III. **Reducing bacterial density in the semen of rainbow trout (*Oncorhynchus mykiss*) by applying gradient centrifugation and swim-up washing methods**
Ercan M. D., Ekici A.
AQUACULTURE RESEARCH, vol.47, no.12, pp.3845-3851, 2016 (SCI-Expanded)
- IV. **Antibacterial Activity of Citrus limon Peel Essential Oil and Argania spinosa Oil Against Fish Pathogenic Bacteria**
Ontas C., Baba E., Kaplaner E., Kucukaydin S., Ozturk M., DEMİRCAN M. D.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.22, no.5, pp.741-749, 2016 (SCI-Expanded)
- V. **Evidence of threat to European economy and biodiversity following the introduction of an alien**

pathogen on the fungal-animal boundary

Ercan D., Andreou D., Sana S., Ontas C., Baba E., Top N., Karakus U., Tarkan A. S., Gozlan R. E.
EMERGING MICROBES & INFECTIONS, vol.4, 2015 (SCI-Expanded)

- VI. **Light and Electron Microscopic Study of Rickettsia-Like Organisms Causing Systemic Granulomas in Farmed Sea Bass (*Dicentrarchus labrax*)**
Timur G., Erkan M., Yardimci R. E., Ercan M. D., Canak O., Urku C.
ISRAELI JOURNAL OF AQUACULTURE-BAMIDGEH, vol.65, 2013 (SCI-Expanded)
- VII. **Changes in transferrin gene expression in sea bass (*Dicentrarchus labrax*) challenged with *Vibrio anguillarum***
Ercan M. D., Karatas S., Turgay E., Kolukirik M., Ince O., Ince B.
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.37, no.2, pp.141-146, 2013 (SCI-Expanded)
- VIII. **First Isolation of a *Flavobacterium johnsoniae* like Bacteria from Cultured Russian Sturgeon in Turkey**
Karatas S., Ercan D., Steinum T. M., Turgay E., Memis D., Candan A.
JOURNAL OF ANIMAL AND VETERINARY ADVANCES, vol.9, no.14, pp.1943-1946, 2010 (SCI-Expanded)
- IX. **A histopathological study of Hexamitiasis in farmed rainbow trout (*Oncorhynchus mykiss*) fry in Turkey**
Timur G., Karatas S., Akayli T., Ercan M. D., Yardimci R. E.
BULLETIN OF THE EUROPEAN ASSOCIATION OF FISH PATHOLOGISTS, vol.29, no.3, pp.104-108, 2009 (SCI-Expanded)
- X. **Identification of *Vibrio anguillarum* by PCR (*rpoN* gene) associated with vibriosis in marine fish in Turkey**
Demircan D., Candan A.
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.30, no.3, pp.305-310, 2006 (SCI-Expanded)
- XI. **Atypical *Aeromonas* Infection in Cultured Sea Bass (*Dicentrarchus labrax*) in the Black Sea**
Karatas Steinum S., Candan A., Demircan M. D.
Israeli Journal Of Aquaculture-Bamidgeh, vol.57, no.4, pp.255-263, 2005 (SCI-Expanded)
- XII. **Enteric red mouth disease in cultured rainbow trout (*Oncorhynchus mykiss*) on the Black Sea coast of Turkey**
Karatas S., Candan A., Demircan D.
ISRAELI JOURNAL OF AQUACULTURE-BAMIDGEH, vol.56, no.3, pp.226-231, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **Using The Thick-Shelled River Mussel (*Unio crassus*) Filtering Ability for Water Treatment Process in Aquaculture Systems: an In Vitro Study on Removal of the Bacteria from The Water**
Demircan M. D., Ekici A., Tunçelli G., Tınkır M., Keskin İ., Memiş D.
Aquatic Science and Engineering, vol.37, no.4, pp.212-219, 2022 (ESCI)
- II. **The first record of True's beaked whale, *Mesoplodon mirus*, from the Mediterranean coast of Turkey during multiple strandings in June 2016**
AMAHA (OZTURK) A., DEDE A., TONAY M. A., Danyer E., Aytemiz Danyer I., Özgür Özbek E., ERCAN M. D., ÖZTÜRK B.
JOURNAL OF THE BLACK SEA/MEDITERRANEAN ENVIRONMENT, no.22, pp.194-199, 2016 (Peer-Reviewed Journal)
- III. **Unusual mass mortality of cetaceans on the coast of the Turkish Western Black Sea in summer 2009**
TONAY M. A., DEDE A., AMAHA (OZTURK) A., ERCAN M. D., Fernandez A.
JOURNAL OF THE BLACK SEA/MEDITERRANEAN ENVIRONMENT, no.18, pp.67-75, 2012 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Cryopreservation Studies in Aquaculture from Past to Present: Scientific Techniques, and quality controls for Commercial Applications**
Ekici A., Yamaner G., Demircan M. D.
in: Cryopreservation - Applications and Challenges, Dr. Marian Quain, Editor, Intechopen, Edinburgh, pp.0-25, 2022
- II. **Marine Aquaculture in Turkey: Advancements and Management**
Çoban D. (Editor), Demircan M. D. (Editor), Tosun D. D. (Editor)
Turkish Marine Research Foundation (TUDAV), İstanbul, 2020
- III. **Disease problems of marine cultured fish in Turkey: Agents, detection and treatments**
Demircan M. D., Midilli S., Dereli M., Otgucuoğlu Ö.
in: Marine Aquaculture in Turkey: Advancements and Management, Çoban D., Demircan M. D., Tosun D. D., Editor, Turkish Marine Research Foundation (TUDAV), İstanbul, pp.165-199, 2020

Refereed Congress / Symposium Publications in Proceedings

- I. **Status of fan mussel (*Pinna nobilis*) diseases in Turkey**
Balcioglu E., Demircan M. D.
International Malacology Symposium, Muğla, Turkey, 25 - 28 October 2022, pp.27
- II. **Effects of plastic wastes on fish health**
ÇANAK Ö., Kocabaş Ç., DEMİRCAN M. D.
14th ICZEGAR - International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions, Selanik, Greece, 27 - 30 June 2019, pp.32
- III. **Detection of Cryptocaryon irritans by PCR in fishes sampled from the public aquarium**
Başhelvacı H. D., Demircan M. D.
II. INTERNATIONAL FISHERIES SYMPOSIUM, Girne, Cyprus (Kktc), 4 - 08 November 2018, pp.80
- IV. **Doğadan Anaç Olarak Avlanmış Penaeid Karideslerin Yetiştiricilik Ortamlarına Adaptasyonu Esnasında Karşılaşılabilecek Bazı Hastalık Etkenleri**
ERCAN M. D., ÜRKÜ Ç., ÇAĞILTAY F., DELİCE G. G.
19. Ulusal Su Ürünleri Sempozyumu, Sinop, Turkey, 12 - 15 September 2017
- V. **Mutation screening on genes encoding adenylate cylase and Rhs elements for Sulphamethoxazol-trimethoprim resistance on *Vibrio anguillarum***
Demircan Ç. S., Demircan M. D., Baysal Ö.
International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOT 2017), Nevşehir, Turkey, 15 - 17 May 2017, pp.1
- VI. **The Effects Of Oxytetracycline On The Sea Bass *Dicentrarchus labrax* L 1758 Non Specific Immune System Parameters**
ONTAS C., BABA E., ERCAN M. D.
FABA 2016: International Symposium on Fisheries and Aquatic Sciences, Antalya, Turkey, 3 - 05 November 2016, pp.347
- VII. **Levels of bacterial pollution in surface waters of Marmaris Bay in Turkey**
ERCAN M. D., ONTAS C., Özdemir N.
40th CIESM Congress, Marsilya, France, 28 October - 01 November 2013, pp.869
- VIII. **Pathogenity experiment of *Lactococcus garviae* and *Yersinia ruckeri* in freshwater mollusk *Unio crassus***
ERCAN M. D., BABA E., ONTAS C., Sömek S.
40th CIESM Congress, Marsilya, France, 28 October - 02 November 2013, pp.685
- IX. **Histopathological Diagnose of *Sphaerothecum destruens* Carried By An Invasive Species *Pseudorasbora parva***
ERCAN M. D., BABA E., ONTAS C., TARKAN A. S.
ICOEST*2013, Nevşehir, Turkey, 18 - 21 June 2013, pp.660
- X. **İstilacı Bir Tatlısu Balığı Türünün *Pseudorasbora parva* Türkiye İçsularında Balıkçılık ve**

Biyoçeşitliliği Tehdit Eden Bir Paraziti Taşıyıcılığı

Ercan M. D., Öntaş C., Baba E., Karakuş U., Karakuş N. T., Tarkan A. S.

Türkiye İstilacı Tatlısu Türleri Çalıştayı: Ulusal Eylem Planı, İstanbul, Turkey, 12 - 14 June 2013, pp.1

- XI. **Application of Swim Up and Gradient Centrifugation Methods in the Semen of Rainbow Trout (*Oncorhynchus mykiss*) Disinfection**
Ekici A., Ercan M. D.
3rd International Workshop on the Biology of the Fish Gametes, Budapest, Hungary, 7 - 09 September 2011, pp.90-91
- XII. **Light and Electron Microscopic Study of Rickettsia-like Organisms Causing Systemic Granulomas in Farmed Sea Bass in Turkey**
TİMUR G., ERKAN M., YARDIMCI R. E., ÇANAK Ö., ÜRKÜ Ç., ERCAN M. D.
The 9th Asian Fisheries and Aquaculture Forum, China, 1 - 04 April 2011, pp.58-59
- XIII. **The Pathogenesis of *Vibrio anguillarum* in European Sea Bass *Dicentrarchus labrax***
ERCAN M. D., Candan A.
14th EAAP International Conference on Diseases of Fish and Shellfish, Prag, Czech Republic, 14 - 19 September 2009, pp.362
- XIV. **First Isolation of a *Flavobacterium johnsoniae* like Bacteria From Cultured Russian Sturgeon in Turkey**
KARATAŞ STEINUM S., ERCAN M. D., TURGAY E., MEMİŞ D., Candan A.
14th EAAP International Conference on Diseases of Fish and Shellfish, Prag, Czech Republic, 14 - 19 September 2009, pp.333
- XV. **Mersin Balıklarında Görülen Hastalık Problemleri**
Karataş Steinum S., Ercan M. D., Turgay E., Candan A.
XV. Ulusal Su Ürünleri Sempozyumu "Ekosistem Yaklaşımli Su Ürünleri Üretimi", Rize, Turkey, 1 - 04 July 2009, pp.1
- XVI. **Mersin Balıklarında Görülen Hastalık Problemleri**
KARATAŞ S., Ercan D., TURGAY E., Candan A.
15. Ulusal Su Ürünleri Sempozyumu, Rize, Turkey, 1 - 04 July 2009, vol.0, no.0
- XVII. **Detection of *vah1* gene and hemolysin production by *Vibrio anguillarum* Isolated from marine fish in Turkey**
ERCAN M. D., KARATAŞ STEINUM S., Candan A.
EAS Aquaculture Europe 2007, İstanbul, Turkey, 24 - 27 October 2007, pp.97
- XVIII. **Su Ürünleri Yetiştiriciliğinde Probiyotiklerin Kullanımı**
Ercan E., Ercan M. D.
III. Ulusal Su Ürünleri Sempozyumu, Muğla, Turkey, 22 - 24 May 2006, pp.1

Expert Reports

I. **2018-115 NOLU DOSYAYA AİT BİLİRKİŞİ KURULU RAPORU**

Karataş Steinum S., Demircan M. D., Yıldız T.

T.C. İSTANBUL 18. ASLİYE HUKUK MAHKEMESİ, pp.4, İstanbul, 2020

Supported Projects

Yıldız T., Gaygusuz Ö., Demircan M. D., Demirel Erol N., Cömert N., Dinçer M., Project Supported by Higher Education Institutions, Using Innovative Molecular Methods for Monitoring Fisheries Resources and Establishing Conservation-Control Mechanism: The Case of Gürpınar Fish Market, 2023 - 2026

Tosun D. D., Yıldız M., Tosun Ş. Y., Demircan M. D., Yamaner G., Project Supported by Higher Education Institutions, Kapalı devre üretim sisteminde mavi yengeç (*Callinectes sapidus*) yetiştiriciliği, 2023 - 2024

Öztürk B., İşinibilir Okyar M., Aktan Turan Y., Yıldız M., Keskin A. Ç., Gönülal O., Tonay M. A., Topçu Eryalçın N. E., Dede A.,

Dalyan C., et al, Project Supported by Other Official Institutions, 2021 - 2023

MEMİŞ D., KESKİN İ., EKİCİ A., ERCAN M. D., TINKIR M., TUNÇELLİ G., Project Supported by Higher Education Institutions, Su Bilimleri Fakültesi Sapanca Deney Hayvanları Yetiştiricilik Ünitesi; Tatlısu Midyelerinin Bakterileri Süzmedeki Rolü, 2018 - 2021

DEMİRCAN M. D., TURGAY E., BABA E., ÜRKÜ Ç., Project Supported by Higher Education Institutions, Hücre içi fungal patojen *Sphaerothecum destruens*'in hücre kültüründe üretilmesi, 2017 - 2019

Demircan M. D., Weidmann M., H2020 Project, Lymphocystis disease virus (LCDV) infection in SAF-1 cells. Whole viral genome sequencing using NGS, 2018 - 2018

Demircan M. D., Baba E., Öntaş C., Yıldız A., Çetin E. S., Project Supported by Higher Education Institutions, 2015 - 2018

DEMİRCAN M. D., ÜRKÜ Ç., ÇAĞILTAY F., Project Supported by Higher Education Institutions, Doğadan Anaç Olarak Avlanmış Penaeid Karideslerin Yetiştiricilik Ortamlarına Adaptasyonu Esnasında Karşılaşılabilecek Bazı Hastalık Etkenleri, 2017 - 2017

EKİCİ A., ATMACA S., KESKİN İ., GÜNGÖR E., ERCAN M. D., Project Supported by Higher Education Institutions, Taşıyıcı Anaç Balık Modeli, 2017 - 2017

Contractual Researches

Demircan M. D., Ekici A., 2021 - 2022

Scientific Refereeing

ACTA AQUATICA TURCICA, Other Indexed Journal, August 2023

SCIENTIFIC REPORTS, Journal Indexed in SCI-E, December 2022

JOURNAL OF FISH DISEASES, Journal Indexed in SCI-E, August 2022

SCIENCE OF THE TOTAL ENVIRONMENT, SCI Journal, August 2021

Ege Journal of Fisheries and Aquatic Sciences, Journal Indexed in ESCI, April 2021

Acta Aquatica Turcica, Other Indexed Journal, February 2021

TURKISH JOURNAL OF ZOOLOGY, Journal Indexed in SCI-E, August 2020

ETLİK VETERİNER MİKROBİYOLOJİ DERGİSİ, National Scientific Refreed Journal, April 2020

FISH & SHELLFISH IMMUNOLOGY, Journal Indexed in SCI-E, December 2019

su Urunleri Dergisi, Journal Indexed in ESCI, May 2019

EIJAR, Other Indexed Journal, May 2017

Journal of Aquaculture Engineering and Fisheries Research, Other Indexed Journal, October 2016

Turkish Journal of Veterinary & Animal Sciences, SCI Journal, September 2013

Turkish Journal of Veterinary & Animal Sciences, SCI Journal, February 2011

Scientific Consultations

TUBİTAK, Project Consultancy, Muğla Sıtkı Kocman University, Faculty Of Aquaculture, Su Ürünleri Avlama Ve İşleme Teknolojileri, Turkey, 2013 - 2014

Tasks In Event Organizations

Albay M., Memiş D., Akçaalan Albay R., Özden Ö., Ekici A., Demircan M. D., Özbayram E. G., Çiftçi Türetken P. S., TUNÇELLİ G., ÇANAK Ö., et al, 2nd International Aquatic Biotechnology Symposium, Scientific Congress, İstanbul, Turkey, Ekim 2021

Metrics

Publication: 37

Citation (WoS): 116

Citation (Scopus): 110

H-Index (WoS): 7

H-Index (Scopus): 7

Invited Talks

Su Ürünleri Yetiştiriciliğinde Sivil Toplum Kuruluşlarının Geliştirilmesi Projesi Nihai Paydaşlar Toplantısı, Conference, Muğla Kültür Balıkçıları Derneği, Turkey, September 2019

Non Academic Experience

University of Stirling, Institute of Aquaculture

Tokyo University of Fisheries