

## Assoc. Prof. HATİCE ONAY

### Personal Information

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**Address:** Recep Tayyip Erdoğan Üniversitesi Su Ürünleri Fakültesi Zihni Derin Yerleşkesi Rize

### International Researcher IDs

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Publons / Web Of Science ResearcherID: ABF-8570-2020

ScopusID: 57410161000

Yoksis Researcher ID: 40146

### Education Information

Post Doctorate, Gebze Technical University, Institute Of Nanotechnology, Department Of Nanoscience And Nanoengineering (Interdisciplinary), Turkey 2022 - 2024

Doctorate, Recep Tayyip Erdogan University, Su Ürünleri Fakültesi, Avlama Ve İşleme Teknolojisi, Turkey 2015 - 2019

Postgraduate, Recep Tayyip Erdogan University, Su Ürünleri Fakültesi, Avlama Ve İşleme Teknolojisi, Turkey 2012 - 2014

Postgraduate, Fırat University, Faculty Of Aquaculture, Temel Bilimler, Turkey 2008 - 2010

Undergraduate, Fırat University, Faculty Of Aquaculture, Su Ürünleri Mühendisliği, Turkey 2003 - 2007

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Education Management and Planning, MSCA PF 2021 Çağrısı Proje Yazma Eğitimi, TÜBİTAK, 2021

Education Management and Planning, AB Ufuk2020 Uygulamalı Proje Yazma Eğitimi, University, 2020

Education Management and Planning, AKADEMİK DÜZEYDE ARAŞTIRMA PROJESİ HAZIRLAMA EĞİTİMİ, TÜBİTAK, 2017

Other, 1 Yıldız Dalgıçlık Kursu, Turkish underwater sports federation, 2014

Other, Fırat Üniversitesi Hayvan Deneyleri Yerel Etik Kurulu Deney Hayvanları Kullanım Sertifikası, Fırat Üniversitesi, 2010

Quality Management, TS EN ISO 22000:2005 Gıda Güvenliği Yönetim Sistemleri (HACCP) Sertifikası, Fırat Üniversitesi, 2008

### Dissertations

Doctorate, DOĞU KARADENİZ BENTİK EKOSİSTEMİNDEKİ BARBUN Mullus barbatus BALIKLARININ POPULASYON VE BESLENME DİNAMİKLERİ, Recep Tayyip Erdogan University, Su Ürünleri Fakültesi, Avlama Teknolojisi, 2019

Postgraduate, Güney Doğu Karadeniz'de Beam Trol ile avlanan yengeç türlerinin (Crustacea: Decapod:Brachyura)

popülasyon dinamiği ve Beam trolün ekosisteme etkisi, Recep Tayyip Erdogan University, Su Ürünleri Fakültesi, Avlama Ve İşleme Teknolojisi, 2014

Postgraduate, Hazar İnci Balığı (Alburnus Heckeli BATTALGİL,1943)'nın Büyüme Özelliklerinin Araştırılması, Firat University, Su Ürünleri Fakültesi, Temel Bilimler, 2010

## Research Areas

Seafood, Fishery Products, Biomaterials

## Academic Titles / Tasks

Associate Professor, Recep Tayyip Erdogan University, Su Ürünleri Fakültesi, Su Ürünleri Avlama ve İşleme Teknolojisi Bölümü, 2023 - Continues

Researcher, Gebze Technical University, Institute Of Nanotechnology, Department Of Nanoscience And Nanoengineering (Interdisciplinary), 2022 - 2024

Research Assistant PhD, Recep Tayyip Erdogan University, Su Ürünleri Fakültesi, Su Ürünleri Avlama ve İşleme Teknolojisi Bölümü, 2011 - 2023

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Length-weight relations and condition factors of several endemic and native fish species from Anatolian freshwater**  
Onay H., Kurtul I., Kaya C., Turan D., Bayçebe E.  
OCEANOLOGICAL AND HYDROBIOLOGICAL STUDIES, vol.53, no.4, pp.1-10, 2024 (SCI-Expanded)
- II. **Seasonal monitoring of microplastic pollution in the Southeast Black Sea: An example of red mullet (*Mullus barbatus*) gastrointestinal tracts**  
Onay H., Karsli B., Minaz M., Dalgıç G.  
MARINE POLLUTION BULLETIN, vol.191, no.114886, pp.1-6, 2023 (SCI-Expanded)
- III. **Biological parameters of grey wrasse *Symphodus cinereus* (Bonnaterre, 1788) (Pisces: Labridae) along the coasts of Rize in the south-eastern Black Sea**  
ONAY H.  
JOURNAL OF THE MARINE BIOLOGICAL ASSOCIATION OF THE UNITED KINGDOM, vol.103, pp.1-6, 2023 (SCI-Expanded)
- IV. **Decade of microplastic alteration in the southeastern black sea: An example of seahorse gastrointestinal tracts**  
Onay H., Minaz M., Ak K., Er A., Emanet M., Karsli B., Bilgin S.  
ENVIRONMENTAL RESEARCH, vol.218, no.218, pp.115001, 2023 (SCI-Expanded)
- V. **First approximation of the growth and the spawning period of *Symphodus ocellatus* (Linnaeus, 1758) (pisces: Labridae) in the southeastern black sea Primera aproximación del periodo de crecimiento y desove de *Symphodus ocellatus* (Linnaeus, 1758) (Pisces: Labridae) en el sureste del mar negro**  
ONAY H.  
Ciencias Marinas, vol.49, 2023 (SCI-Expanded)
- VI. **SEASONAL CHANGES IN THE FOOD SPECTRUM AND DAY-TIME RHYTHM OF FEEDING IN RED MULLET *MULLUS BARBATUS* (LINNAEUS, 1758) IN THE SOUTHEAST BLACK SEA**  
Onay H., Dalgic G.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.4, pp.2671-2678, 2019 (SCI-Expanded)
- VII. **Population dynamics of the garfish, *Belone euxini* (Belonidae: Belone) from the south-east Black Sea**

BILGIN S., TASCI B., Bal H.

JOURNAL OF THE MARINE BIOLOGICAL ASSOCIATION OF THE UNITED KINGDOM, vol.94, no.8, pp.1687-1700, 2014 (SCI-Expanded)

VIII. **Reproduction Biology of the Garfish, *Belone euxini* Gunther, 1866 (Belonidae: *Belone*) in the Southeast Black Sea**

Bilgin S., Tasci B., Bal H.

TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.14, no.3, pp.623-631, 2014 (SCI-Expanded)

IX. **Otolith Biometry - Total Length Relationships in the Population of Hazar Bleak, *Alburnus heckeli* (Battalgil, 1943) Inhabiting Lake Hazar, Elazig, Turkey**

Basusta A., Bal H., Aslan E.

PAKISTAN JOURNAL OF ZOOLOGY, vol.45, no.4, pp.1180-1182, 2013 (SCI-Expanded)

X. **Sexual seasonal growth of the European anchovy (*Engraulis encrasicolus*) caught by mid-water trawl and purse seine in the southern Black Sea**

Bilgin S., Tasci B., Bal H.

JOURNAL OF THE MARINE BIOLOGICAL ASSOCIATION OF THE UNITED KINGDOM, vol.93, no.2, pp.333-339, 2013 (SCI-Expanded)

XI. **Length Based Growth Estimates and Reproduction Biology of Whiting, *Merlangius merlangus euxinus* (Nordman, 1840) in the Southeast Black Sea**

BILGIN S., Bal H., TASCI B.

TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.12, no.4, pp.871-881, 2012 (SCI-Expanded)

## Articles Published in Other Journals

I. **SEXUAL SEASONAL GROWTH AND MORTALITY OF SCALDBACK, *ARNOGLOSSUS KESSLERI* SCHMIDT, 1915 (PLEURONECTIFORMES: BOTHIDAE), CAUGHT BY EXPERIMENTAL BEAM TRAWL IN THE BLACK SEA, TURKIYE**

Onay H., Bilgin S.

Pakistan Journal of Marine Sciences, vol.32, no.2, pp.113-128, 2023 (ESCI)

II. **Spatio-temporal Distribution and Population Dynamics of the Red Mullet *Mullus barbatus* Linnaeus, 1758 from the South-east Black Sea**

Onay H., Dalgıç G., Ceylan Y.

JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, no.4, pp.720-727, 2023 (Peer-Reviewed Journal)

III. **The relationships between fish size and otolith dimensions between sexes in the Grey Wrasse, *Symphodus cinereus* (Bonnaterre, 1788)**

Onay H., Ceylan Y.

Menba Su Ürünleri Fakültesi dergisi (Online), vol.8, no.2, pp.83-93, 2022 (Peer-Reviewed Journal)

IV. **Length based growth of *Liocarcinus depurator* (Crustacea: Decapoda: Brachyura) caught by beam trawl in the south-east Black Sea**

Onay H., Bilgin S.

JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.7, no.1, pp.62-71, 2022 (Peer-Reviewed Journal)

V. **Reproduction Biology of the *Liocarcinus depurator* (Crustacea: Decapoda: Brachyura) Captured from Southeast Black Sea**

Onay H., Bilgin S.

JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.6, no.4, pp.642-650, 2021 (Peer-Reviewed Journal)

VI. **Spatial and temporal distribution of *Liocarcinus depurator* (Crustacea: Decapod) caught by beam trawl in the southeastern Black Sea**

Onay H., Bilgin S.

- MARINE SCIENCE AND TECHNOLOGY BULLETIN, vol.4, no.10, pp.416-425, 2021 (Peer-Reviewed Journal)
- VII. **Length-Weight Relationships for Fourteen Fish Species Collected by Bottom Trawl from the Eastern Black Sea Coast, Turkey**  
Onay H., Dalgıç G.  
MARINE SCIENCE AND TECHNOLOGY BULLETIN, vol.10, no.4, pp.326-332, 2021 (Peer-Reviewed Journal)
- VIII. **Length-Weight Relationships of Four Symphodus Species (Pisces: Perciformes) From Eastern Black Sea (Turkey)**  
Onay H.  
MARINE SCIENCE AND TECHNOLOGY BULLETIN, vol.10, pp.228-233, 2021 (Peer-Reviewed Journal)
- IX. **Determination of Some Biological Characteristics and Population Parameters of the Blotched Picarel (*Spicara flexuosa* Rafinesque, 1810) Distributed in the Eastern Black Sea (Rize - Hopa)**  
DALGIÇ G., ERGÜN İ. O., ONAY H., CEYLAN Y.  
MARINE SCIENCE AND TECHNOLOGY BULLETIN, vol.10, no.2, pp.142-153, 2021 (Peer-Reviewed Journal)
- X. **Seasonal growth and reproduction of the black goby, *Gobius niger* (Osteichthyes: Perciformes: Gobiidae) in the southeastern Black Sea region of Turkey.**  
Bilgin S., Onay H.  
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.5, no.4, pp.465-473, 2020 (Peer-Reviewed Journal)
- XI. **Spawning Period and Size at Maturity of the Thornback ray, *Raja clavata* (Linnaeus, 1758), (Elasmobranchii: Rajidae) in the Black Sea.**  
Bilgin S., Onay H.  
ACTA AQUATICA TURCICA, vol.16, no.4, pp.525-534, 2020 (Peer-Reviewed Journal)
- XII. **Spawning Period and Size at Maturity of Scaldback, *Arnoglossus kessleri* Schmidt, 1915 (Pleuronectiformes: Bothidae), Caught by Beam Trawl in The Black Sea, Turkey**  
Bilgin S., Onay H.  
AQUATIC SCIENCES AND ENGINEERING, vol.35, no.1, pp.13-18, 2020 (ESCI)
- XIII. **Weight-Length Relationships (WLRs) of Scaldback, *Arnoglossus kessleri* Schmidt, 1915 (Pleuronectiformes: Bothidae), Caught by Beam Trawl in the Southeastern Black Sea (Rize, Turkey).**  
Bilgin S., Onay H.  
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.4, no.3, pp.354-358, 2019 (Peer-Reviewed Journal)
- XIV. **Güneydoğu Karadeniz'de (Rize kıyıları, Türkiye) Deneysel Krişli Trol ile Örneklenen Yengeç (Crustacea: Decapoda: Brachyura) ve Mollusca (Bivalvia, Gastropoda) Türleri**  
Bilgin S., Onay H.  
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.4, no.2, pp.221-229, 2019 (Peer-Reviewed Journal)
- XV. **Karadeniz'de Karaya Vuran ve Kazara Yakalanan Yunuslar (Cetacea) Hakkında: Ölüm Nedenleri, Beslenme Özellikleri ve Gebelik Durumu**  
Bilgin S., Onay H., Köse Ö., Yeşilçiçek T.  
TURKISH JOURNAL of AGRICULTURAL and NATURAL SCIENCES, no.5, pp.447-454, 2018 (Peer-Reviewed Journal)
- XVI. **The Growth Characteristics of Hazar Bleak (*Alburnus heckeli* Battalgiç, 1943) Living in Lake Hazar (Elazığ, Turkey)**  
Bal H.  
Turkish Journal of Science & Technology, vol.7, no.2, pp.205-210, 2012 (Peer-Reviewed Journal)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Development of Fish Scale-Derived Collagen and Sodium Alginate Composite Film Structures for Wound Healing Applications**  
Keskin M., Onay H., Eksik O., Küçük İ.

7. GTÜ Lisansüstü Araştırmalar Sempozyumu , Kocaeli, Turkey, 31 May - 01 June 2023, pp.1
- II. **Güneydoğu Karadeniz’xxde (Rize kıyıları, Türkiye) deneysel kırıli trol ileörneklenen balık (Pisces) türleri**  
ONAY H., BİLGİN S.  
Uluslararası Avrasya Biyoteknoloji ve Biyokimya Konferansı, 16 - 18 December 2020
- III. **Rize Kıyılarında (Doğu Karadeniz) Dip Trolü ile Avlanan Balık Faunası Üzerine Bir Araştırma**  
ONAY H.  
Uluslararası Ekoloji Sempozyumu, 26 - 28 November 2020
- IV. **Length-Weight Relationship of Neogobius melanostomus and Gobius niger species from the Eastern Black Sea, Turkey**  
ONAY H., DALGIÇ G.  
2. Uluslararası Biyoçeşitlilik Araştırmaları Sempozyumu (ISBR 2020), 18 - 20 November 2020
- V. **Güneydoğu Karadeniz Sahillerinde Dağılım Gösteren Tiryaki Balığının (Uranoscopus scaber Linnaeus, 1758) Boy-Ağırlık İlişkisi Üzerine Araştırmalar**  
ONAY H., DALGIÇ G.  
International Conference on Research in Natural and Engineering Sciences, 14 - 15 November 2020
- VI. **Hazar Gölü’nde Yaşayan Alburnus heckeli (Battalgil, 1944) nin Otolit Boyu- Balık Boyu Arasındaki İlişki**  
Başusta A., Onay H., Aslan E.  
Fisheries and Aquatic Sciences FABA 2012, Eskişehir, Turkey, 21 - 24 November 2012, pp.1

## Other Publications

- I. **WORKSHOP TO SCOPE ASSESSMENT METHODS TO SET THRESHOLDS (WKBENTH2)**  
Onay H.  
Technical Report, pp.1-99, 2022
- II. **Working Group on Fisheries Benthic Impact and Trade-offs (WGFBIT; outputs from 2021 meeting).**  
Onay H.  
Technical Report, pp.1-133, 2022

## Supported Projects

Onay H., Dalgıç G., Akdemir T., Veliođlu S., TUBITAK Project, Haydidönüşüm Hayalet Ağların Yıkıcı Etkilerinin Araştırılması: Deniz Ekosistemleri İçin Dönüşüm Hareketi, 2025 - 2028

Onay H., Dalgıç G., Kumru S., Project Supported by Higher Education Institutions, Güneydoğu Karadeniz Kıyılarında (Rize) balık biyoçeşitliliđi deđerlendirmesi için çevresel DNA metabarkodlaması: beam trol ile avlanan balık araştırma yöntemiyle karşılaştırılması, 2025 - 2027

Onay H., Karşlı B., Veliođlu S., Baysal T., TUBITAK Project, Combining Zero Waste and Sustainable Design Principles in Reducing Marine Microplastics and Nanoplastics: Chitosan Recycling Application, 2024 - 2027

Onay H., TUBITAK Project, Production of collagen obtained from cultured fish scales as a scaffold with sodium alginate polymer as a composite material by V-shaped microfluidic system to be used in the production of artificial tissue scaffold for nerve tissue applications, 2022 - 2024

BEKİRYAZICI F., KARSLI B., ONAY H., KAYA C., BAYÇELEBİ E., TUBITAK Project, Rize Bitlis Bilim Köprüsü, 2018 - 2019

Bayçelebi E., Kaya C., Onay H., Karşlı B., Aytar A., TUBITAK Project, Denizde Bilim Karadeniz’ide Bilin, 2018 - 2019

Bayçelebi E., Kaya C., Ak K., Onay H., Karşlı B., Baytaşođlu H., TUBITAK Project, Arkadaşım Balık, 2018 - 2019

DALGIÇ G., BAL H., Project Supported by Higher Education Institutions, DOĐU KARADENİZ BENTİK EKOSİSTEMİNDEKİ BARBUN Mullus barbatus BALIKLARININ POPULASYON VE BESLENME DİNAMİKLERİ, 2017 - 2019

DALGIÇ G., ERGÜN İ. O., CEYLAN Y., ERYAŞAR A. R., MAZLUM R. E., BAL H., Project Supported by Higher Education Institutions, Dođu Karadenizde (RİZE – HOPA) Dağılım Gösteren İzmarit Balığının (Spicara flexuosa Rafinesque, 1810)

Bazı Biyolojik Özellikleri İle Populasyon Parametrelerinin Belirlenmesi, 2015 - 2018

Onay H., Project Supported by Higher Education Institutions, Güney Doğu Karadeniz de beam trol ile avlanan yengeç türlerinin Crustacea Decapod Brachyura popülasyon dinamiği ve beam trolün ekosisteme etkisi, 2012 - 2014

Onay H., Project Supported by Higher Education Institutions, Doğu Karadeniz de Rize Sahillerin de Zargana Balığı Belone belone Günther 1866 Popülasyon Dinamiği ve Balıkçılığı, 2012 - 2014

Bilgin S., Yeşilçiçek T., Şahin C., Kalaycı F., Ceylan Y., Köse Ö., Onay H., Project Supported by Higher Education Institutions, Karadeniz Yunusları ve Balıkçılıkla Etkileşimi Karaya Vuran Yunuslar Rize ve Artvin kıyı şeridi ve Kalkan Dip Uzatma Solungaç Ağlarının Etkisi, 2010 - 2013

## Memberships / Tasks in Scientific Organizations

ICES/FAO Working Group on Fishing Technology and Fish Behaviour, Member, 2021 - Continues, Denmark  
Fisheries Society of the British Isles, Member, 2021 - 2022, England

## Scientific Refereeing

Thalassas: An International Journal of Marine Sciences, SCI Journal, October 2024

COMU JOURNAL OF MARINE SCIENCES AND FISHERIES, National Scientific Refreed Journal, October 2024

Thalassas: An International Journal of Marine Sciences, SCI Journal, August 2024

Thalassas: An International Journal of Marine Sciences, SCI Journal, August 2024

Thalassas: An International Journal of Marine Sciences, SCI Journal, August 2024

Thalassas: An International Journal of Marine Sciences, SCI Journal, June 2024

TUBITAK Project, 1002 - Quick Support Program, Recep Tayyip Erdogan University, Turkey, April 2024

Thalassas: An International Journal of Marine Sciences, SCI Journal, March 2024

Oceanological and Hydrobiological Studies, SCI Journal, December 2022

CYBIUM, SCI Journal, July 2021

International Journal of Marine Science, Other Indexed Journal, January 2018

## Metrics

Publication: 37

Citation (WoS): 46

Citation (Scopus): 25

H-Index (WoS): 4

H-Index (Scopus): 3

## Congress and Symposium Activities

7. GTÜ Lisansüstü Araştırmalar Sempozyumu, Attendee, Kocaeli, Turkey, 2023

International Eurasian Conference on Biotechnology and Biochemistry, Attendee, Ankara, Turkey, 2020

10 th International Ecology Symposium, Attendee, Bursa, Turkey, 2020

2. Uluslararası Biyoçeşitlilik Araştırmaları Sempozyumu (ISBR 2020), Attendee, Rize, Turkey, 2020

International Conference on Research in Natural and Engineering Sciences, Attendee, Konya, Turkey, 2020

Hazar Gölü'nde Yaşayan Alburnus heckeli (Battalgil, 1944)'nin Otolit Boyu-Balık Boyu Arasındaki İlişki. FABA Sempozyumu, Attendee, Eskişehir, Turkey, 2012

## Scholarships

BİDEB 2218 Yurt İi Doktora Sonrası Arařtırma Burs Programı, TUBİTAK, 2022 - 2024  
Yurtdıřı Yksek Lisans Arařtırma Bursu, YOK, 2014 - 2014