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International Researcher IDs

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Education Information

- I. Doctorate, Istanbul University, Faculty Of Aquatic Sciences, Department Of Fisheries And Seafood Processing Technology, Turkey 2019 - 2024
- II. Postgraduate, Istanbul University, Institute of Graduate Studies In Sciences, Su Ürünleri İşleme Teknolojisi, Turkey 2016 - 2018
- III. Undergraduate, Istanbul University, Su Ürünleri Fakültesi, Su Ürünleri Mühendisliği, Turkey 2011 - 2015

Foreign Languages

- I. English, C1 Advanced
- II. German, A2 Elementary

Certificates, Courses and Trainings

- I. Education Management and Planning, ICYMARE 2021 - International Conference for YOUNG Marine Researchers (21 - 24 September 2021, virtual), ICYMARE Bremen Society for Natural Sciences from 1864 (NWV), 2021
- II. Vocational Course, Online Workshop on Microplastic Research, ETH Zurich/National and Kapodistrian University of Athens/University of Gothenburg/Hof University of Applied Science, 2021
- III. Other, International Webinar on Microplastics in Aquatic Ecosystems, Atatürk Üniversitesi, 2021
- IV. Vocational Course, Deney Hayvanları Kullanım Sertifikası, İstanbul Medipol Üniversitesi, 2021
- V. Other, Laboratuvar Güvenliği ve Çalışma Kuralları Webinar, Lab Akademi Eğitim&Danışmanlık, 2021
- VI. Other, Dezenfektanların Doğru Kullanımı ve Teknolojik Dezenfeksiyon Yöntemleri Semineri, Yalova Üniversitesi/Labakademi, 2020
- VII. Other, Partikül Boyut Analizinin Önemi Web Semineri, Lab Akademi Eğitim&Danışmanlık, 2020
- VIII. Vocational Training, Master Biotechnology Study Course, Hochschule Bremerhaven, 2017

Dissertations

- I. Doctorate, Taze ve Dondurulmuş Su Ürünlerinde Mikroplastik Riskinin İncelenmesi , Istanbul University, Faculty Of Aquatic Sciences, Department Of Fisheries And Seafood Processing Technology, 2024

- II. Postgraduate, Kültür Balıklarına Farklı İşleme Tekniklerinin Uygulanması ve Kalitelerinin Belirlenmesi, Istanbul University, Institute of Graduate Studies In Sciences, Balıkçılık Ve Su Ürünleri İşleme Teknolojisi Anabilim Dalı, 2018

Research Areas

Agricultural Sciences, Seafood, Seafood Processing Technologies, Food Chemistry, Food Biochemistry, Food Biotechnology, Aquaculture Products Technology, Food Processing (pasteurisation, sterilisation, refrigeration, lyophilisation, etc.)

Academic Titles / Tasks

- I. Research Assistant, Istanbul University, Faculty of Aquatic Sciences, Department of Fisheries and Seafood Processing Technology, 2017 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The effect of different types of microplastic and acute cadmium exposure on the *Mytilus galloprovincialis* (Lamarck, 1819)**
Tunçelli G., Can Tunçelli İ., Dagsuyu E., Turkyilmaz I. B., Yanardag R., Erkan N.
THE SCIENCE OF THE TOTAL ENVIRONMENT AN INTERNATIONAL JOURNAL FOR SCIENTIFIC RESEARCH INTO THE ENVIRONMENT AND ITS RELATIONSHIP WITH MAN, vol.173505, no.173505, pp.1-12, 2024 (SCI-Expanded)
- II. **Biomarker responses of Mediterranean mussels (*Mytilus galloprovincialis*, Lamarck 1819) regarding marine mucilage in the Sea of Marmara**
Dağsuyu E., Can Tunçelli İ., Yanardağ R., Erkan N., Özden Ö., Üçok D., Tosun Ş. Y., Doğruyol H., Ulusoy Ş., Mol S.
JOURNAL OF EXPERIMENTAL MARINE BIOLOGY AND ECOLOGY, vol.576, pp.1-9, 2024 (SCI-Expanded)
- III. **Examination of toxic element levels in seafood from aquaculture and associated risks for European consumers**
Özden Ö., Erkan N., Doğruyol H., Ortaboy S., Can Tunçelli İ.
AQUACULTURE, vol.585, 2024 (SCI-Expanded)
- IV. **Evaluation of biotoxins and toxic metal risks in mussels from the Sea of Marmara following marine mucilage**
Doğruyol H., Ulusoy Ş., Erkan N., Mol S., Özden Ö., Can Tunçelli İ., Tosun Ş. Y., Üçok D., Dağsuyu E., Yanardağ R.
FOOD AND CHEMICAL TOXICOLOGY, vol.186, 2024 (SCI-Expanded)
- V. **Microplastic pollution in wild and aquacultured Mediterranean mussels from the Sea of Marmara: Abundance, characteristics, and health risk estimations**
Can Tunçelli İ., Erkan N.
ENVIRONMENTAL RESEARCH A JOURNAL OF ENVIRONMENTAL MEDICINE AND THE ENVIRONMENTAL SCIENCES, vol.242, pp.1-9, 2024 (SCI-Expanded)
- VI. **Assessment of health risks due to toxic metals in demersal fish captured from Saros and Edremit Bays, Northern Aegean Sea**
Dogruyol H., Erkan N., Özden Ö., Can Tunçelli İ., Karakulak F. S.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.30, pp.111357-111368, 2023 (SCI-Expanded)
- VII. **Content and economic evaluation of omega-3 fatty acid nutritional supplements**
Erkan Özden N., Can Tunçelli İ., Özden Ö.
JOURNAL OF FOOD AND NUTRITION RESEARCH, vol.62, no.1, pp.14-25, 2023 (SCI-Expanded)
- VIII. **Evaluation of Rainbow Trout and Meagre Fillets as Novel Ready-To-Eat Products**
Can Tunçelli İ., Özden Ö.
JOURNAL OF AQUATIC FOOD PRODUCT TECHNOLOGY, vol.32, no.4, pp.373-383, 2023 (SCI-Expanded)

- IX. **Heavy metal risk assessment of European eels (*Anguilla anguilla*, Linnaeus, 1758) from the Asi (Orontes) River, Turkey**
Özden Ö., Can Tunçelli İ., Oray I. K., Kaplan M., Parildar S., Erkan N.
JOURNAL OF APPLIED ICHTHYOLOGY, vol.36, no.6, pp.912-917, 2020 (SCI-Expanded)
- X. **Nutritional Composition and heavy Metal Concentrations in *Sardinella maderensis* (Lowe, 1838) obtained from the Mauritanian fisheries**
Erkan N., CAN TUNÇELLİ İ., ÖZDEN Ö., UREN S.
JOURNAL OF APPLIED ICHTHYOLOGY, vol.36, no.6, pp.906-911, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **Evaluation of lettuce (*Lactuca sativa* L.) in aquaponic system in terms of food safety**
Tunçelli G., Tunçelli İ. C., Memiş D.
Su Ürünleri Dergisi, vol.40, no.1, pp.27-34, 2023 (Peer-Reviewed Journal)
- II. **Seasonal Differences in Lipid and Fatty Acid Composition of European Eels (*Anguilla anguilla*, Linnaeus 1758) from Orontes River, Türkiye**
Can Tunçelli İ., Özden Ö., Erkan N.
Aquatic Sciences and Engineering, vol.37, no.3, pp.169-174, 2022 (Scopus)
- III. **IMMEDIATE EFFECT OF DIFFERENT PASTEURIZATION TEMPERATURES (50°C and 70°C) ON THE QUALITY PARAMETERS OF SHRIMP (*Parapenaeus longirostris*)**
Üçok Alakavuk D., Tosun Ş. Y., Can Tunçelli İ.
Gıda, vol.46, no.5, pp.1205-1217, 2021 (Peer-Reviewed Journal)
- IV. **Microplastic risks in the seafood in terms of food safety and their research methods**
Can Tunçelli İ., Erkan N.
Aquatic Research, vol.4, no.1, pp.73-87, 2021 (Peer-Reviewed Journal)
- V. **Effects of Salt/Sugar Brine Storage Solutions on Shelf Life of the Salted Atlantic Bonito**
Erkan N., Can Tunçelli İ., Özden Ö.
AQUATIC SCIENCES and ENGINEERING, vol.35, no.4, pp.25-32, 2020 (ESCI)

Books & Book Chapters

- I. **TRADITIONAL FOOD PROCESSING AND PRESERVATION METHODS**
Varlık C., Erkan N., Can Tunçelli İ.
in: Aquatic Resources in Food Security and Sustainable Food Safety, NURAY ERKAN, SEDA OĞUR, Editor, Istanbul University Press, İstanbul, pp.313-353, 2024
- II. **THE MICROPLASTIC HAZARD IN AQUATIC RESOURCE**
Can Tunçelli İ., Erkan N.
in: Aquatic Resources in Food Security and Sustainable Food Safety, Nuray ERKAN ÖZDEN, Seda OĞUR, Editor, Istanbul University Press, İstanbul, pp.269-309, 2024
- III. **GIDALARDA PLASTİK PROBLEMİ**
Erkan N., Can Tunçelli İ.
in: Microplastics, Endocrine Disruptors and Their Environmental Effects, AYDIN MEHMET EMİN, TAYANÇ METE, Editor, Türkiye Bilimler Akademisi, Ankara, pp.451-486, 2024

Refereed Congress / Symposium Publications in Proceedings

- I. **THREATS TO THE PRESENCE OF EUROPEAN EEL (*Anguilla anguilla*) in GÖKÇEADA STREAMS**

Gaygusuz Ö., Tunçelli G., Gürsoy Gaygusuz Ç., Can Tunçelli İ., Güreşen S. O., Memiş D.
EEL SUPPORT ANNUAL CONFERENCE, Antalya, Turkey, 06 June 2024, pp.37

- II. **Gıdalarda Plastik Problemi**
Erkan N., Can Tunçelli İ.
TÜBA-Mikroplastikler, Endokrin Bozucular ve Çevresel Etkileri, Girne, Cyprus (Kktc), 3 - 05 November 2023, pp.15-35
- III. **Kültür karaca mersin balığı (Acipenser gueldenstaedtii) yumurtasının ve etinin değerlendirilmesi**
Erkan N., Doğruyol Bayar H., Can Tunçelli İ., Özden Ö., Tunçelli G., Memiş D.
1. Mersin Balığı Çalıştayı, Sinop, Turkey, 25 - 26 April 2024, pp.1
- IV. **Microplastic levels in cultured Beluga Sturgeon (Acipenser gueldenstaedtii Brandt and Ratzeburg, 1833)**
Can Tunçelli İ., Erkan N.
Agrifoodplast (International Conference On Micro And Nano-Plastics in Agri-Food Chain), Piacenza, Italy, 10 - 12 September 2023, pp.2
- V. **The effect of different types of microplastic and acute cadmium exposure on the Mediterranean mussel (Mytilus galloprovincialis Lamarck, 1819)**
Tunçelli G., Can Tunçelli İ., Dağsuyu E., Türkyılmaz İ. B., Yanardağ R., Erkan N.
Agrifoodplast (International Conference On Micro And Nano-Plastics in Agri-Food Chain), Piacenza, Italy, 10 - 12 September 2023, pp.3
- VI. **Microplastic pollution in wild and aquacultured Mediterranean mussels in Turkey**
Can Tunçelli İ., Erkan N.
Agrifoodplast (International Conference On Micro And Nano-Plastics in Agri-Food Chain), Piacenza, Italy, 10 - 12 September 2023, pp.1
- VII. **The effect of microplastic and cadmium exposure on the enzyme activities of Mytilus galloprovincialis (Lamarck, 1819)**
Dağsuyu E., Türkyılmaz İ. B., Can Tunçelli İ., Tunçelli G., Erkan N., Yanardağ R.
4th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2022), Ankara, Turkey, 14 - 16 December 2022, pp.33
- VIII. **EVALUATION OF MERCURY RISKS IN FARMED SEA BREAM, SEA BASS, AND MUSSEL SEASONALLY**
Özden Ö., Erkan N., Doğruyol H., Ortaboy Sezer S., Can Tunçelli İ.
World Aquaculture Singapore 2022, Singapore, Singapore, 29 November - 02 December 2022, pp.533
- IX. **Evaluation of the Effects of Mucilage on Public Health in Seafood from the Marmara Sea**
Erkan N., Özden Ö., Mol Tokay S., Üçok Alakavuk D., Tosun Ş. Y., Ulusoy Ş., Doğruyol H., Can Tunçelli İ., Yanardağ R., Dağsuyu E.
7. Uluslararası Gıda Güvenliği Kongresi, İstanbul, Turkey, 3 - 04 November 2022, pp.55-56
- X. **"Aquatic Materials" as a Biotechnological Product**
Özden Ö., Can Tunçelli İ., Erkan N.
Su Bilimlerinde Biyoteknoloji Çalıştay, İstanbul, Turkey, 10 - 11 May 2018, pp.77-79
- XI. **Gıda Takviyesi Olarak Omega-3 Preparatlarının İçerik Değerlendirilmesi**
Özden Ö., Erkan N., Can İ.
3. Uluslararası Su ve Sağlık Kongresi, Antalya, Turkey, 12 - 15 November 2019, pp.819-820
- XII. **SU ÜRÜNLERİNDE MİKROPLASTİK RİSKİ**
Can İ., Erkan N.
20. Ulusal Su Ürünleri Sempozyumu, Mersin, Turkey, 24 - 26 September 2019, pp.127
- XIII. **FARKLI ALABALIK TÜRLERİNİN KAS DOKULARINDAKİ YAĞ DAĞILIMLARININ MEVSİMSEL DEĞERLENDİRİLMESİ**
ÖZDEN Ö., CAN İ., ORMAN N., ŞENTÜRK B.
20. Ulusal Su Ürünleri Sempozyumu, Mersin, Turkey, 24 - 26 September 2019, pp.147
- XIV. **COMBINED PROCESSING METHODS FOR DELICATE PRODUCTS FROM MEAGRE (Argyrosomus regius)**
CAN İ., ÖZDEN Ö.
HydroMediT 2018, Volos, Greece, 8 - 11 November 2018, pp.41

- XV. **Toxic Metal Risk Assessment of European Eels (*Anguilla anguilla*) in Asi River, Turkey**
Özden Ö., Can İ., Oray I. K., Kaplan M., Parıldar S., Erkan N.
2nd International Fisheries Symposium, Girne, Cyprus (Kkctc), 4 - 08 November 2018, pp.40
- XVI. **Examination of EPA and DHA levels in sea bass and sea bream in terms of food consumption**
Özden Ö., Erkan N., Can İ.
65th Anniversary Scientific Conference with International Participation "Food Science, Engineering and Technology - 2018", Plovdiv, Bulgaria, 11 - 13 October 2018, vol.1, pp.20
- XVII. **DELICATE PRODUCTS BY COMBINED PROCESSING METHODS FROM RAINBOW TROUT**
CAN İ., ÖZDEN Ö.
1 st International Symposium on Graduate Research in Science Focus on Entrepreneurship and Innovation (ISGRS 2018), İstanbul, Turkey, 4 - 06 October 2018, pp.48
- XVIII. **Microplastic Risks in Seafood Safety**
CAN İ., ERKAN ÖZDEN N.
1 st International Symposium on Graduate Research in Science Focus on Entrepreneurship and Innovation (ISGRS 2018), İstanbul, Turkey, 4 - 06 October 2018, pp.161
- XIX. **Mercury risk levels for consumer in gurnard fish species from Marmara sea**
Erkan N., Ulusoy Ş., Can İ., Karakulak F. S., Özden Ö.
Nutricon Food Quality & Safety, Health & Nutrition, Ohrid, Macedonia, 13 - 15 June 2018, pp.96
- XX. **KURUTULMUŞ VE TUZLANMIŞ SU ÜRÜNLERİNİN DÜNYA VE TÜRKİYE PAZARLARINDAKİ YERİ VE TÜKETİCİ TERCİHLERİ**
Özden Ö., Can İ., Varlık C., Erkan N.
Tüm Ürün, Kap ve Ambalaj Standartları Sempozyumu, İstanbul, Turkey, 6 - 07 December 2017, pp.51-58
- XXI. **TAZE VE İŞLENMİŞ SU ÜRÜNLERİNDE TÜKETİCİ GÜVENLİĞİ VE AMBALAJ**
Özden Ö., Can İ., Varlık C., Erkan N.
Tüm Ürün, Kap ve Ambalaj Standartları Sempozyumu, İstanbul, Turkey, 6 - 07 December 2017, pp.93-98
- XXII. **Farklı Depolama Solüsyonlarının Palamut Lakerdasının Kalitesi Üzerine Etkileri**
Özden Ö., Erkan N., Can İ.
19. ULUSAL SU ÜRÜNLERİ SEMPOZYUMU, Sinop, Turkey, 12 - 15 September 2017, pp.7
- XXIII. **Jelatinin Kaynağı ve İdentifikasyonunun Önemi**
ÖZDEN Ö., CAN İ.
Türkiye 12. Gıda Kongresi, Edirne, Turkey, 5 - 07 October 2016, pp.524

Supported Projects

- I. Erkan N., Tunçelli G., Can Tunçelli İ., Türkyılmaz İ. B., Dağsuyu E., Yanardağ R., Project Supported by Higher Education Institutions, Examining the Effectiveness of Integrated Multi-Trophic Aquaculture System in Microplastic Contamination, 2023 - 2026
- II. Erkan N., Can Tunçelli İ., Tunçelli G., Memiş D., Doğruyol Bayar H., Ertik O., Yanardağ R., Project Supported by Higher Education Institutions, Kültür Karaca Mersin Balığı (*Acipenser gueldenstaedtii*) Yumurtasının Havyar Etinin Sıcak ve Soğuk Füme Olarak Değerlendirilmesi, 2022 - 2024
- III. Erkan N., Tunçelli G., Can Tunçelli İ., Dağsuyu E., Doğruyol Bayar H., Ürkü Atanasov Ç., Türkyılmaz İ. B., Memiş D., Yanardağ R., Özden Ö., Project Supported by Higher Education Institutions, Midyelerde mikroplastik ve cıva maruziyetinin katkılı depurasyonla giderimi, 2022 - 2024
- IV. ERKAN ÖZDEN N., CAN TUNÇELLİ İ., Project Supported by Higher Education Institutions, Taze ve Dondurulmuş Su Ürünlerinde Mikroplastik Riskinin İncelenmesi, 2021 - 2024
- V. Özden Ö., Erkan Özden N., Ortaboy Sezer S., Doğruyol Bayar H., Can İ., Project Supported by Higher Education Institutions, Evaluation of Marine Aquaculture Products in Terms of Food Safety, 2020 - 2023
- VI. Erkan N., Mol Tokay S., Özden Ö., Yanardağ R., Üçok Alakavuk D., Tosun Ş. Y., Ulusoy Ş., Doğruyol Bayar H., Can Tunçelli İ., Dağsuyu E., TUBITAK Project, Evaluation of the effects of mucilage on public health in seafood from the

Marmara Sea, 2021 - 2022

- VII. ÖZDEN Ö., CAN TUNÇELLİ İ., Project Supported by Higher Education Institutions, Kültür Bahçalarına Farklı İşleme Tekniklerinin Uygulanması ve Kalitelerinin Belirlenmesi, 2017 - 2019

Activities in Scientific Journals

- I. Aquatic Sciences and Engineering, Foreign Language Redactor, 2024 - Continues

Memberships / Tasks in Scientific Organizations

- I. TMMOB Ziraat Mühendisleri Odası, Member, 2018 - Continues

Scientific Refereeing

- I. CONTINENTAL SHELF RESEARCH, Journal Indexed in SCI-E, July 2024
II. ENVIRONMENTAL POLLUTION, Journal Indexed in SCI-E, July 2024
III. ENVIRONMENTAL POLLUTION, Journal Indexed in SCI-E, July 2024
IV. ENVIRONMENTAL POLLUTION, Journal Indexed in SCI-E, June 2024
V. MARINE POLLUTION BULLETIN THE INTERNATIONAL JOURNAL FOR MARINE ENVIRONMENTALISTS, SCIENTISTS, ENGINEERS, ADMINISTRATORS, POLITICIANS AND LAWYERS, Journal Indexed in SCI-E, February 2024
VI. ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, Journal Indexed in SCI-E, February 2024
VII. Aquatic Research, Other Indexed Journal, May 2023
VIII. ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, Journal Indexed in SCI-E, April 2023
IX. Aquatic Sciences and Engineering, Journal Indexed in ESCI, August 2022
X. ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, Journal Indexed in SCI-E, August 2022
XI. Aquatic Sciences and Engineering, Journal Indexed in ESCI, April 2022
XII. Aquatic Research, Other Indexed Journal, August 2020

Tasks In Event Organizations

- I. 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: 41

Citation (WoS): 17

Citation (Scopus): 20

H-Index (WoS): 3

H-Index (Scopus): 4

Congress and Symposium Activities

- I. Lisansüstü Çalışmalar Odağında Marmara Denizi Webinarı, Invited Speaker, İstanbul, Turkey, 2024
- II. Agrifoodplast (International Conference On Micro And Nano-Plastics in Agri-Food Chain), Attendee, Piacenza, Italy, 2023
- III. Kadıköy 4. Gıda Şenliği, Invited Speaker, İstanbul, Turkey, 2022
- IV. ICYMARE 2021 - International Conference for YOUNG Marine Researchers(21 – 24 September 2021, virtual), Audience, Bremen, Germany, 2021
- V. International Webinar on Microplastics in Aquatic Ecosystems, Audience, Erzurum, Turkey, 2021
- VI. Biyoteknoloji V4 Konferansı, Audience, İstanbul, Turkey, 2020
- VII. 20. Ulusal Su Ürünleri Sempozyumu, Attendee, Mersin, Turkey, 2019
- VIII. 2nd International Fisheries Symposium, Attendee, girne, Cyprus (Kktc), 2018
- IX. 1 st International Symposium on Graduate Research in Science Focus on Entrepreneurship and Innovation (ISGRS 2018), Session Moderator, İstanbul, Turkey, 2018
- X. 1 st International Symposium on Graduate Research in Science Focus on Entrepreneurship and Innovation (ISGRS 2018), Attendee, İstanbul, Turkey, 2018
- XI. Su Bilimlerinde Biyoteknoloji Çalıştayı, Attendee, İstanbul, Turkey, 2018
- XII. TÜRKAS Tüm Ürün, Kap ve Ambalaj Standartları Sempozyumu, Attendee, Turkey, 2017
- XIII. 19. Ulusal Su Ürünleri Sempozyumu, Attendee, Sinop, Turkey, 2017
- XIV. Türkiye 12. Gıda Kongresi, Attendee, Edirne, Turkey, 2016

Awards

- I. Tunçelli G., Can Tunçelli İ., Dağsuyu E., Türkyılmaz İ. B., Yanardağ R., Erkan Özden N., Best Poster Session III, Agrifoodplast (International Conference On Micro And Nano-Plastics In Agri-Food Chain), September 2023

Coaching Duties

Refereeing Duties
