

## Res. Asst. PhD Duygu ÜLKER

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-6279-7321

Publons / Web Of Science ResearcherID: AAD-1671-2020

Yoksis Researcher ID: 271746

### Education Information

Doctorate, Istanbul University, Deniz Bilimleri ve İşletmeciliği Enstitüsü, Denizel Çevre Anabilim Dalı / Kıyı Mühendisliği, Turkey 2017 - Continues

Postgraduate, Istanbul University, Deniz Bilimleri ve İşletmeciliği Enstitüsü, Deniz İşletmeciliği, Turkey 2013 - 2016

Undergraduate, Istanbul University, Mühendislik Fakültesi, Deniz Ulaştırma Ve İşletme Mühendisliği, Turkey 2006 - 2010

Undergraduate, Istanbul University, Mühendislik Fakültesi, Çevre Mühendisliği, Turkey 2005 - 2009

### Certificates, Courses and Trainings

Other, Bill of Lading, BIMCO WORKSHOP, 2014

Logistics, Brokerlık Eğitimi, Gemi Brokerları Derneği, 2012

Occupational Health and Safety, OHSAS 18001 İş Sağlığı ve Güvenliği Yönetim Sistemi Sertifikası, RYM, 2008

Other, ISO 14001 Çevre Yönetim Sistemi, KASCERT, 2008

### Dissertations

Postgraduate, Kabotaj Hattında Yat Taşımacılığının Maliyet Analizi ve Verimliliği, Istanbul University, Deniz Bilimleri ve İşletmeciliği Enstitüsü, Deniz İşletmeciliği, 2016

### Research Areas

Environmental Engineering, Environmental Technology, Environmental Management, Pollution Prevention and Waste Reduction, Water Pollution and Control, Marine Sciences and Technology, Coastal Sciences, Coastal Zone Management, Marine Protected Areas, Engineering and Technology

### Academic Titles / Tasks

Research Assistant PhD, Istanbul University, Deniz Bilimleri ve İşletmeciliği Enstitüsü, Deniz Bilimleri ve İşletmeciliği Bölümü, 2022 - Continues

Research Assistant, Istanbul University, Deniz Bilimleri ve İşletmeciliği Enstitüsü, Deniz Bilimleri ve İşletmeciliği Bölümü,

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

- I. **Evaluation of irrigation methods in Soke Plain with HF-AHP-PROMETHEE II hybrid MCDM method**  
Burak Z. S. , Samanlıoğlu F., Ülker D.  
AGRICULTURAL WATER MANAGEMENT AN INTERNATIONAL JOURNAL, vol.271, pp.1-12, 2022 (SCI-Expanded)
- II. **Mathematical modelling of oil spill weathering processes for contingency planning in Izmit Bay**  
Ülker D., Burak Z. S. , Balas L., Çağlar N.  
REGIONAL STUDIES IN MARINE SCIENCE, vol.2022, pp.102155, 2022 (SCI-Expanded)
- III. **Comparative Voyage-Based Evaluation of Yacht Transfer by Self-Sailing and Cargo Vessel Shipment – A Pilot Study**  
Ülker D., Koldemir B.  
Promet-Traffic & Transportation, vol.33, no.5, pp.755-766, 2021 (SCI-Expanded)
- IV. **Assessment and simulation of water transfer for the megacity Istanbul**  
Burak Z. S. , Bilge A. H. , Ülker D.  
Physical Geography, vol.42, pp.1-26, 2021 (SCI-Expanded)
- V. **Computation of monthly runoff coefficients for Istanbul (Turkey)**  
Burak Z. S. , Bilge A. H. , Ülker D.  
Thermal Science, vol.25, no.2, pp.1561-1572, 2021 (SCI-Expanded)
- VI. **A comparative CO2 emissions analysis and mitigation strategies of short-sea shipping and road transport in the Marmara Region**  
Ülker D., Bayırhan İ., Mersin K., Gazioğlu C.  
CARBON MANAGEMENT, vol.12, no.1, pp.1-12, 2021 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The Legal Framework of Water Quality Management in Turkey**  
Burak Z. S. , Zeki S., Ülker D., Bayırhan İ.  
Turkish Journal of Water Science and Management, vol.6, no.1, pp.121-144, 2022 (Peer-Reviewed Journal)
- II. **An Assessment of How the Pandemic Affected the Cruise Tourism**  
Arlı E., Ülker D.  
Tourism and Recreation, vol.3, no.1, pp.18-25, 2021 (Peer-Reviewed Journal)
- III. **Assessment and Comparison of Commonly Used Eutrophication Indexes**  
Ülker D., Bayırhan İ., Burak Z. S.  
TURKISH JOURNAL OF WATER SCIENCE & MANAGEMENT, vol.4, no.1, pp.4-30, 2020 (Peer-Reviewed Journal)
- IV. **Socio-economic impacts in a Changing Climate: Case Study Syria**  
Ülker D., Ergüven O., Gazioğlu C.  
International Journal of Environment and Geoinformatics, vol.5, no.1, pp.84-93, 2018 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Thornthwaite's Method for the Computation of the Water Balance**  
Burak Z. S. , Bilge A. H. , Ülker D.  
in: Climate Change, Natural Resources and Sustainable Environmental Management, Hüseyin Gökçekuş, Youssef Kassem, Editor, Springer Nature, Zug, pp.339-347, 2022
- II. **Ship born oil pollution in Turkish Straits Sea Area and MARPOL 73/78**  
ÜLKER D., BALTAOĞLU S.

in: Oil Spill along the Turkish Straits Sea Area; Accidents, Environmental Pollution, Socio-Economic Impacts and Protection, Ünlü S., Alpar B., Öztürk B., Editor, Tüдав, İstanbul, pp.363-370, 2018

## Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluation of Oil Spill Modelling within the scope of the Emergency Action Plans**  
Ülker D., Burak Z. S.  
Marmara Denizi 2022 Sempozyumu, İstanbul, Turkey, 8 - 09 January 2022, pp.1-5
- II. **Thorntwaite's method for the computation of water balance**  
Burak Z. S., Bilge A. H., Ülker D.  
NRSEM-2021, Lefkoşa, Cyprus (Kktc), 8 - 12 November 2021, pp.1-8
- III. **Assesment of water quality of Lake Bafa in Turkey**  
Ülker D., Savun-Hekimoğlu B., Burak Z. S.  
IWA Digital World Water Congress, 24 May - 04 June 2021, pp.1
- IV. **Evaluation of Short-sea Shipping Networks in the Sea of Marmara for the Efficient Earthquake Transportation Emergency Management**  
Ülker D.  
2nd International Disaster and Resilience Congress: Resilience of/in Megacities, Eskişehir, Turkey, 13 - 15 October 2020, pp.231-235
- V. **Which Effluent Quality for Which Reuse in the Mediterranean Region?**  
BURAK Z. S., ÜLKER D.  
4th International Conference on Recycling and Reuse, İstanbul, Turkey, 24 - 26 October 2018, pp.122-123
- VI. **Akdeniz Havzası Ülkelerinde Kıyı ve Yüzme Sularında Kirlenme Kontrolünün Değerlendirmesi**  
BURAK Z. S., ÜLKER D.  
Ulusal Katı Atık Yönetimi Kongresi, Konya, Turkey, 9 - 11 May 2018, pp.19-20
- VII. **BAFA GÖLÜ'NDE KIYI ALANLARI YÖNETİMİ ÇERÇEVESİNDE SORUNLARIN DEĞERLENDİRİLMESİ**  
ÜLKER D., BURAK Z. S.  
Ulusal Katı Atık Yönetimi Kongresi, Konya, Turkey, 9 - 11 May 2018, pp.1-8
- VIII. **A Study about Using Animal Waste Generated in Livestock Carriers in Biogas Plants**  
ÜLKER D., BURAK Z. S.  
2nd ASM International Workshop of Composting And Biogas Technologies, Antalya, Turkey, 16 - 18 November 2017, pp.5
- IX. **A network model simulation proposal for river basin management plans(RBMPs) in Turkey**  
BURAK Z. S., Bilge A. H., ÜLKER D.  
EWRA 2017- 10TH WORLD CONGRESS ON WATER RESOURCES AND ENVIRONMENT "PANTA RHEI", Atina, Greece, 5 - 09 July 2017, pp.231-236
- X. **Teknelerin Gemi ile Taşınmasına Dair Çalışma Haydarpaşa-Fethiye Örneği**  
ÜLKER D., KOLDEMİR B.  
3. Ulusal Deniz Turizmi Sempozyumu, İzmir, Turkey, 26 - 27 February 2016, pp.1-14

## Supported Projects

Gül B., Burak Z. S., Çağlar N., Taşkın Ö. S., Bayırhan İ., ÜLKER D., GAZİOĞLU C., TUBITAK Project, Uv-C Işınlamasının Müsilaj Bertarafı Üzerinde Çevresel Ve Ekonomik Etkisinin Araştırılması, 2021 - 2022

Zeki S., Ünsal Özgüvenç T., Gazioğlu C., Aksu A., Çardak M., Balcioğlu E. B., Ülker D., Bayırhan İ., TUBITAK Project, Assessment of Potential Pathogen Occurrence in Sea of Marmara Mucilage and its Effect on Bacterial Biodiversity, 2021 - 2022

ÜLKER D., BURAK Z. S., Other Supported Projects, InoCottonGrow Soke, 2018 - 2018

## Activities in Scientific Journals

International Journal of Environment and Geoinformatics, Assistant Editor, 2020 - Continues

## Memberships / Tasks in Scientific Organizations

International Water Association (IWA), Member, 2017 - Continues

Gemi Brokerları Derneği (GBD), Member, 2011 - Continues

## Scientific Refereeing

International Journal of Agriculture, Environment and Food Sciences, National Scientific Refreed Journal, December 2020

WATER RESOURCES MANAGEMENT, Journal Indexed in SCI-E, September 2020

International Journal of Environment and Geoinformatics, Other Indexed Journal, March 2020

International Journal of Environment and Geoinformatics, Other Indexed Journal, March 2020

WATER RESOURCES MANAGEMENT, Journal Indexed in SCI-E, February 2020

WATER RESOURCES MANAGEMENT, Journal Indexed in SCI-E, November 2019

International Journal of Environment and Geoinformatics, Other Indexed Journal, November 2019

## Metrics

Publication: 22

Citation (WoS): 4

Citation (Scopus): 6

H-Index (WoS): 2

H-Index (Scopus): 1

## Congress and Symposium Activities

5th International Conference on Natural Resources and Sustainable Environment Management, Attendee, Lefkoşa, Cyprus (Kktc), 2021

IWA Digital World Water Congress, Attendee, Kobenhavn, Denmark, 2021

2nd International Disaster and Resilience Congress: Resilience of/in Megacities, Attendee, Eskişehir, Turkey, 2020

Turkish-German Seminar Reducing the Water Footprint of the CottonTextile Value Chain, Moderator, Aydın, Turkey, 2019

9. Ulusal Katı Atık Yönetimi Kongresi, Attendee, Konya, Turkey, 2018

2nd ASM International Workshop of Composting and Biogas Technologies, Attendee, Antalya, Turkey, 2017

10TH WORLD CONGRESS ON WATER RESOURCES AND ENVIRONMENT "PANTA RHEI", Attendee, Athens, Greece, 2017

3. Ulusal Deniz Turizmi Sempozyumu, Attendee, İzmir, Turkey, 2016

## Non Academic Experience

Business Establishment Private, Interdolphin Shipping and Agency Co., Operasyon

Business Establishment Private, Kaptan Şirketler Grubu