

Res. Asst. PhD Fulya İŞLEK

Personal Information

Office Phone: [+90 212 383 5170](tel:+902123835170)

Email: fislek@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/fislek>

Address: YTÜ/İnşaat Fak./İnşaat Müh. Bölümü/ Hidrolik Ve Kıyı Liman Laboratuvarı No:18, Davutpaşa-İstanbul

International Researcher IDs

ScholarID: gNwxOD4AAAAJ

ORCID: 0000-0003-1090-0523

Publons / Web Of Science ResearcherID: AAZ-6159-2020

ScopusID: 57105512000

Yoksis Researcher ID: 43245

Education Information

Doctorate, Yıldız Technical University, Faculty Of Civil Engineering, Civil Engineering Department, Turkey 2015 - 2022

Postgraduate, Yıldız Technical University, Faculty Of Civil Engineering, Civil Engineering Department, Turkey 2013 - 2015

Certificates, Courses and Trainings

Education Management and Planning, 9. Kıyı Mühendisliği Sempozyumu, İnşaat Mühendisleri Odası, 2018

Education Management and Planning, Suda Boğulmalar ve Çeken Akıntılar Çalıştayı, Uygulama Araştırma Merkezleri

Koordinatörlüğü Afet Eğitim Uygulama ve Araştırma Merkezi, 2018

Education Management and Planning, 8. Kıyı Mühendisliği Sempozyumu, İnşaat Mühendisleri Odası, 2014

Dissertations

Doctorate, Küresel iklim değişikliğinin rüzgar ve dalga iklimi üzerindeki etkisinin araştırılması; Karadeniz örneği, Yıldız Technical University, Faculty Of Civil Engineering, Civil Engineering Department, 2022

Postgraduate, Dalga tırmanma bölgesine yerleştirilen kıyı duvarında topuk stabilitesi, Yıldız Technical University, Faculty Of Civil Engineering, Civil Engineering Department, 2015

Research Areas

Atmosphere-Ocean Interaction, Climate, Coastal Sciences, Civil Engineering, Hydraulic, Coastal Zone Management, Design of Coastal Structures, Coastal Engineering

Academic Titles / Tasks

Research Assistant PhD, Yıldız Technical University, Faculty Of Civil Engineering, Civil Engineering Department, 2022 - Continues

Research Assistant, Yıldız Technical University, Faculty Of Civil Engineering, Civil Engineering Department, 2014 - 2022

Academic and Administrative Experience

Courses

Numerical Analysis, Undergraduate, 2022 - 2023

Technical Drawing and Descriptive Geometry, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Evaluation of future wind climate over the Eastern Mediterranean Sea**
Gumuscu I., ŞAHİN C., YÜKSEL Y., GÜNER H. A., İŞLEK F.
Regional Studies in Marine Science, vol.78, 2024 (SCI-Expanded)
- II. **Possible changes and occurrences of future wave power in an enclosed sea using a high-resolution regional climate model**
İŞLEK F., YÜKSEL Y.
Ocean Engineering, vol.303, 2024 (SCI-Expanded)
- III. **Spatio-temporal long-term evaluations of the mean sea level pressure, sea level change, and sea surface temperature over two enclosed seas**
İŞLEK F., YÜKSEL Y.
Regional Studies in Marine Science, vol.66, 2023 (SCI-Expanded)
- IV. **Spatiotemporal long-term wind and storm characteristics over the eastern Mediterranean Sea**
Gumuscu I., İşlek F., Yuksel Y., Sahin C.
Regional Studies in Marine Science, vol.63, 2023 (SCI-Expanded)
- V. **Evaluation of future wind power potential and their projected changes in the Black Sea and possible stable locations for wind farms**
İŞLEK F., YÜKSEL Y.
OCEAN ENGINEERING, vol.266, 2022 (SCI-Expanded)
- VI. **Evaluation of regional climate models and future wave characteristics in an enclosed sea: A case study of the Black Sea**
İşlek F., Yuksel Y., Sahin C.
Ocean Engineering, vol.262, 2022 (SCI-Expanded)
- VII. **Evaluation of regional climate models and future wind characteristics in the Black Sea**
İşlek F., Yüksel Y., Şahin C.
International Journal of Climatology, vol.42, no.3, pp.1877-1901, 2022 (SCI-Expanded)
- VIII. **Long-term analysis of extreme wave characteristics based on the SWAN hindcasts over the Black Sea using two different wind fields**
İşlek F., Yüksel Y., Şahin C., Güner H. A.
Dynamics of Atmospheres and Oceans, vol.94, 2021 (SCI-Expanded)
- IX. **Spatiotemporal long-term trends of wind and wave climate and extreme characteristics over the Sea of Marmara**
YÜKSEL Y., Yuksel Z. T., İŞLEK F., ŞAHİN C., Ari Guner H. A.
Ocean Engineering, vol.228, 2021 (SCI-Expanded)
- X. **Inter-comparison of long-term wave power potential in the Black Sea based on the SWAN wave model forced with two different wind fields**
İşlek F., Yüksel Y.
Dynamics of Atmospheres and Oceans, vol.93, 2021 (SCI-Expanded)
- XI. **Spatiotemporal long-term trends of extreme wind characteristics over the Black Sea**
İşlek F., Yüksel Y., Şahin C.
Dynamics of Atmospheres and Oceans, vol.90, 2020 (SCI-Expanded)

- XII. **Long-term variability of the mean sea level pressure field over the Black Sea**
İŞLEK F., YÜKSEL Y., ŞAHİN C.
AQUATIC ECOSYSTEM HEALTH & MANAGEMENT, vol.23, no.4, pp.453-464, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **Assessment of Spectral Wave Model Performance Using Three Wind Speeds in the Eastern Mediterranean Sea**
İşlek F., Yüksel Y., Yuksel F.
International Journal of Environment and Geoinformatics, vol.10, no.2, pp.82-100, 2023 (Peer-Reviewed Journal)
- II. **Performance evaluation of spectral wave model caused by ERA-Interim, ERA5, and CFSR wind fields in the Black Sea**
İşlek F., Yüksel Y., Özdemir A.
SEATIFIC, vol.1, no.2, pp.52-72, 2022 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Küresel İklim Değişikliğinin Karadeniz Rüzgar ve Dalga İklimine Etkisi**
İŞLEK F., YÜKSEL Y., ŞAHİN C.
10. Kıyı Mühendisliği Sempozyumu, İzmir, Turkey, 16 - 17 November 2023, vol.1, pp.509-517
- II. **Doğu Akdeniz Havzası'nda Uzun Dönem Rüzgar İkliminin Uzamsal Ve Zamansal Olarak Değerlendirilmesi**
GÜMÜŞÇÜ İ., İŞLEK F., YÜKSEL Y., ŞAHİN C.
10. Kıyı Mühendisliği Sempozyumu, İzmir, Turkey, 16 - 17 November 2023, vol.1, pp.198-209
- III. **Potential Changes in Future Wind and Wave Climate Over the Black Sea**
YÜKSEL Y., İŞLEK F., ŞAHİN C.
SCACR 2023, İstanbul, Turkey, 4 - 06 September 2023, vol.1, pp.18-19
- IV. **ASSESSMENT OF LONG-TERM WIND AND WAVE TRENDS IN THE BLACK SEA**
İşlek F., Yüksel Y., Şahin C.
Proceedings of virtual Conference on Coastal Engineering, 2020, 6 - 09 October 2020, vol.36, pp.1
- V. **LONG-TERM VARIABILITY OF THE MEAN SEA LEVEL PRESSURE FIELD OVER THE BLACK SEA**
İŞLEK F., YÜKSEL Y., ŞAHİN C.
SCACR19, Bari, Italy, 9 - 11 September 2019, vol.1, pp.1-3
- VI. **SEA WALL and BEACH PROFILE INTERACTION IN RUN UPREGION**
YÜKSEL Y., YÜKSEL T., ÇEVİK E., AYAT AYDOĞAN B., AYDOĞAN B., ARI GÜNER A., ÇELİKOĞLU Y., İŞLEK F.
ICCE 2014, Seoul, South Korea, 15 - 20 June 2014

Other Publications

- I. **Dalga Tırmanma Bölgesine Yerleştirilen Kıyı Duvarında Topuk Stabilitesi**
İŞLEK F.
Other, pp.198, 2015

Supported Projects

İŞLEK F., YÜKSEL Y., ŞAHİN C., Project Supported by Higher Education Institutions, Uzun dönemli dalga iklim ve Karadeniz yenilenebilir dalga enerjisi; dalga gücü analizi, 2023 - 2024
YÜKSEL Y., ÇAKICI F., BEJİ S., BAYRAKTAR D., GÜNER H. A., İŞLEK F., ŞAHİN C., BAYRAM B., AKPINAR B., ÇEVİK E., et al.,

Project Supported by Higher Education Institutions, Açık Deniz Yüzer Rüzgar Türbinlerinin Hidrodinamik Davranışının Araştırılması, 2021 - 2023
Yüksel Y., Yalçın A. C., Şahin C., Ersoy Ş., Güler I., Öztürk M., Çelikoğlu Y., Güner H. A., Aykut N. O., Güney Doğan G., et al., TUBITAK Project, Türkiye Acil Afet İzleme, 2020 - 2021
Şahin C., Yüksel Y., Güner H. A., Öztürk M., Şafak I., TUBITAK Project, Akarsu Delta Sistemlerinin İklim Değişikliği Etkilerine Karşı Kırılganlığı: Sakarya Nehri Deltası Örneği, 2018 - 2021

Metrics

Publication: 21
Citation (WoS): 31
Citation (Scopus): 39
H-Index (WoS): 3
H-Index (Scopus): 3

Awards

İşlek F., YTÜ DOKTORA TEZ ÖDÜLÜ, MÜHENDİSLİK ALANINDA EN İYİ DOKTORA TEZ ÖDÜLÜ 2023, Yıldız Teknik Üniversitesi, July 2023
İşlek F., SERHAT ÖZYAR YILIN GENÇ BİLİM İNSANI ONURSAL ÖDÜLÜ 2023, Ortadoğu Teknik Öğretim Elemanları Derneği, July 2023