



# KHALID AMAROUCHE

## DR. ÖĞR. ÜYESİ

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Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: AFR-7886-2022

ScopusID: 57205453111

Yoksis Araştırmacı ID: 386960



### Yabancı Diller

Fransızca, C1 İleri

İngilizce, B2 Orta Üstü

### Yaptığı Tezler

Bütünleşik Doktora, Methodology for locating areas of high wave energy by combining numerical models and in situ and in-situ observations, École Nationale Supérieure Des Sciences De La Mer Et De L'aménagement Du Littoral (Enssmal Ex Ismal), Coastal Management, 2019

### Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi  
2023 - Devam Ediyor

Bursa Uludağ Üniversitesi, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ

Öğretim Görevlisi Dr.  
2019 - 2020

Algiers University

Öğretim Görevlisi  
2016 - 2020

Université des Sciences et de la Technologie Houari Boumediène

Öğretim Görevlisi  
2015 - 2017

École Nationale Supérieure Des Sciences De La Mer Et De L'aménagement Du Littoral (Enssmal Ex Ismal)

### Desteklenen Projeler

1. Amarouche K., Akpınar A., Kankal M., Acar E., TÜBİTAK Uluslararası İkili İşbirliği Projesi, Spectral wave climate of

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. **Characterisation of wave storms events and their long-term variability off the key ports and shipping routes in the Black Sea**  
AMAROCHE K., AKPINAR A., Acar E.  
Ocean Engineering, cilt.297, 2024 (SCI-Expanded)
2. **Long-term characterisation of directional wave spectra in the Black Sea and the Sea of Azov**  
Amarouche K., Akpınar A.  
APPLIED OCEAN RESEARCH, cilt.141, ss.1-15, 2023 (SCI-Expanded)
3. **Global extreme wave estimates and their sensitivity to the analysed data period and data sources**  
AMAROCHE K., AKPINAR A., Kamranzad B., Khames G.  
Marine Structures, cilt.92, 2023 (SCI-Expanded)
4. **Assessing the impact of wave model calibration in the uncertainty of wave energy estimation**  
Majidi A. G., Ramos V., Amarouche K., Rosa Santos P., Das Neves L., Taveira-Pinto F.  
Renewable Energy, cilt.212, ss.415-429, 2023 (SCI-Expanded)
5. **Wave Power Trends over the Mediterranean Sea Based on Innovative Methods and 60-Year ERA5 Reanalysis**  
Acar E., AKPINAR A., KANKAL M., AMAROCHE K.  
SUSTAINABILITY, cilt.15, sa.11, 2023 (SCI-Expanded)
6. **Assessment of SWAN and WAVEWATCH-III models regarding the directional wave spectra estimates based on Eastern Black Sea measurements**  
Amarouche K., Akpınar A., Rybalko A., Myslenkov S.  
Ocean Engineering, cilt.272, 2023 (SCI-Expanded)
7. **Increasing trends in spectral peak energy and period in a semi-closed sea**  
Acar E., AKPINAR A., KANKAL M., Amarouche K.  
Renewable Energy, cilt.205, ss.1092-1104, 2023 (SCI-Expanded)
8. **Linking the long-term variability in global wave energy to swell climate and redefining suitable coasts for energy exploitation**  
Kamranzad B., Amarouche K., Akpınar A.  
SCIENTIFIC REPORTS, cilt.12, sa.1, 2022 (SCI-Expanded)
9. **Spatial calibration of WAVEWATCH III model against satellite observations using different input and dissipation parameterizations in the Black Sea**  
Soran M. B., Amarouche K., Akpınar A.  
OCEAN ENGINEERING, cilt.257, 2022 (SCI-Expanded)
10. **Creating an artificial neural network time series model for the prediction of daily solar radiation in Oran**  
Soukeur E. H. I. E. I., Chaabane D., Amarouche K., Bachari N. E. I.  
DESALINATION AND WATER TREATMENT, cilt.255, ss.163-171, 2022 (SCI-Expanded)
11. **New wind-wave climate records in the Western Mediterranean Sea**  
Amarouche K., Bingölbali B., Akpınar A.  
CLIMATE DYNAMICS, cilt.58, sa.5-6, ss.1899-1922, 2022 (SCI-Expanded)
12. **Wave storm events in the Western Mediterranean Sea over four decades**  
Amarouche K., Akpınar A., Semedo A.  
Ocean Modelling, cilt.170, 2022 (SCI-Expanded)
13. **Spatial calibration of an unstructured SWAN model forced with CFSR and ERA5 winds for the Black and Azov Seas**  
Amarouche K., Akpınar A., Soran M. B., Myslenkov S., Majidi A. G., Kankal M., Arkhipkin V.  
APPLIED OCEAN RESEARCH, cilt.117, 2021 (SCI-Expanded)

14. **Assessment of storm events along the Algiers coast and their potential impacts**  
Amarouche K., AKPINAR A., ÇAKMAK R. E., Houma F., Bachari N. E. I.  
OCEAN ENGINEERING, cilt.210, 2020 (SCI-Expanded)
15. **Wave energy resource assessment along the Algerian coast based on 39-year wave hindcast**  
Amarouche K., AKPINAR A., Bachari N. E. I., Houma F.  
RENEWABLE ENERGY, cilt.153, ss.840-860, 2020 (SCI-Expanded)
16. **Evaluation of a high-resolution wave hindcast model SWAN for the West Mediterranean basin**  
Amarouche K., AKPINAR A., Bachari N. E. I., ÇAKMAK R. E., Houma F.  
APPLIED OCEAN RESEARCH, cilt.84, ss.225-241, 2019 (SCI-Expanded)

### **Diğer Dergilerde Yayınlanan Makaleler**

1. **Temporal analysis of the distribution of thynnus thunnus in relation to environmental factors along the algerian coast**  
Benyahia F., El Islam B. N., Amarouche K., Kames G. A., Salim L.  
Egyptian Journal of Aquatic Biology and Fisheries, cilt.25, sa.5, ss.553-571, 2021 (Scopus)
2. **Increasing trend on stormwave intensity in the western mediterranean**  
Amarouche K., Akpınar A.  
Climate, cilt.9, sa.1, ss.1-17, 2021 (ESCI)
3. **Development of a numerical code to simulate the hydrodynamic energy potential, applied at Bou Ismail bay**  
Amarouche K.  
Revue des Energies Renouvelables, cilt.20, sa.3, ss.377-388, 2017 (Hakemli Dergi)

### **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

1. **KARADENİZ VE AZAK DENİZİ'NDE RÜZGAR DALGASI VE SWELL İKLİMLERİNİN DEĞERLENDİRİLMESİ**  
Amarouche K., Akpınar A.  
10. Kıyı Mühendisliği Sempozyumu, İzmir, Türkiye, 16 - 17 Kasım 2023, ss.186-197
2. **ANN Bias Correction Model for Significant Wave Height Hindcast, Trained on The Basis of Satellite Altimetry Observations**  
Amarouche K., Akpınar A., Kankal M., Kamranzed B.  
SCACR2023: 10th Short Course/Conference on Applied Coastal Research, İstanbul, Türkiye, 4 - 06 Eylül 2023, ss.96
3. **Predictability of long-term change in global wave energy resources based on wind and wave climate variability**  
Kamranzed B., Amarouche K., Akpınar A.  
Future Coastal Ocean Climates Workshop, Liverpool, İngiltere, 21 - 23 Şubat 2023, ss.1-2
4. **Decadal change of global wave energy based on jra-55 dataset**  
Kamranzed B., Amarouche K., Akpınar A.  
14th European Wave and Tidal Energy Conference, EWTEC 2021, Virtual, Online, 5 - 09 Eylül 2021
5. **Simulation of Hydrodynamic Behavior Using Data from Coastal Weather Stations at the Bejaia Bay, Algeria**  
Amarouche K., Bachari N., Houma F.  
1st Euro-Mediterranean Conference for Environmental Integration (EMCEI), Sousse, Tunus, 22 - 25 Kasım 2017, ss.1595-1598
6. **Study of the coastal wave energy propagation using {GIS} and hydrodynamic model**  
Amarouche K.  
THE INTERNATIONAL SYMPOSIUM ON GIS APPLICATIONS IN GEOGRAPHY & GEOSCIENCES ISGGG2017, Çanakkale,

## Bilimsel Hakemlikler

ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Kapsamındaki Dergi, Aralık 2023

OCEAN ENGINEERING, SCI Kapsamındaki Dergi, Aralık 2023

OCEAN ENGINEERING, SCI Kapsamındaki Dergi, Kasım 2023

DYNAMICS OF ATMOSPHERES AND OCEANS, SCI Kapsamındaki Dergi, Kasım 2023

OCEAN ENGINEERING, SCI Kapsamındaki Dergi, Ekim 2023

## Metrikler

Yayın: 25

Atıf (WoS): 237

Atıf (Scopus): 247

H-İndeks (WoS): 9

H-İndeks (Scopus): 9

## Kongre ve Sempozyum Katılımı Faaliyetleri

13th Coastal Altimetry Workshop, Davetli Konuşmacı, Cadiz, İspanya, 2023

The International Congress on Renewable Energies and Sustainable Development, Davetli Konuşmacı, Tunis, Tunus, 2023

ISPAB and ATSMer Scientific Days on Climate Change, Davetli Konuşmacı, Binzart, Tunus, 2019

Ecology and Environment Days, Davetli Konuşmacı, Algiers, Cezayir, 2018

Simulation of hydrodynamic behavior using data from coastal weather stations at the Bejaia bay, Davetli Konuşmacı, Susah, Tunus, 2017

International Symposium on G.I.S. Applications in Geography & Geosciences, Davetli Konuşmacı, Çanakkale, Türkiye, 2017

## Araştırma Alanları

Mühendislik ve Teknoloji