

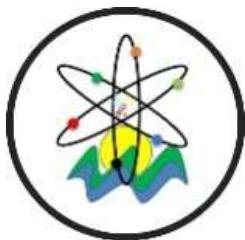
Black Sea Journal of Engineering and Science

Volume 6 | Issue 1



ISSN: 2619 - 8991

 **BS Journals**



**BLACK SEA JOURNAL OF ENGINEERING AND SCIENCE
(BSJ ENGIN SCI)**



Black Sea Journal of Engineering and Science (BSJ Eng Sci) is a double-blind peer-reviewed, open-access international journal published electronically 4 times (January, April, July and October) in a year by since January 2018. It publishes, in English and Turkish, full-length original research articles, innovative papers, conference papers, reviews, mini-reviews, rapid communications or technical note on advances in a wide range of scientific disciplines from all fields of engineering and science and from any source.

ISSN 2619 - 8991

Phone: +90 362 408 25 15

Fax: +90 362 408 25 15

Email: bsjsci@blackseapublishers.com

Web site: <http://dergipark.gov.tr/bsengineering>

Sort of publication: Periodically 4 times (January, April, July and October) in a year

Publication date and place: January 01, 2023 - Samsun, TURKEY

Publishing kind: Electronically

OWNER

Assoc. Prof. Uğur SEN

DIRECTOR IN CHARGE

Prof. Dr. Hasan ÖNDER

EDITORIAL DECLARATION

Dear authors and readers,

First of all, we would like to thank you for being our travel companion by writing, evaluating, and reading us about this broadcasting life we started six years ago. With these thoughts, we are especially thankful for researchers and academicians honoring with the articles, valuable scientists involved in editorial boards, and reviewers for their contributions to the evaluation processes through their opinions/ideas/contributions/criticisms. With this article, we wanted to inform you, our valuable stakeholders, about the development of The Black Sea Journal of Engineering and Science (BSJ Eng Sci). The statistics of the BSJ Eng Sci for the last five years are given below. Hope you will be with us in future issues.

Year	Articles	Cites	Cite Index*	CNA	CNC	CCI
2018	20	1	0.05	20	1	0.05
2019	22	10	0.45	42	11	0.26
2020	29	40	1.38	71	51	0.72
2021	32	55	1.72	103	106	1.03
2022	24	77	3.21	127	183	1.44

CNA= cumulative number of articles, CNC= cumulative number of cite, CCI= cumulative cite index

*According to Scholar Google

Rejection rate:

- 2020: 9%
- 2021: 18%
- 2022: 25%

Average review time (days): 72

Average time from send to publish (days): 132

EDITOR BOARDS

EDITOR IN CHIEF

Prof. Dr. Hasan ÖNDER, Ondokuz Mayıs University, TÜRKİYE

Assoc. Prof. Uğur ŞEN Ondokuz Mayıs University, TÜRKİYE

SECTION EDITORS*

Prof. Dr. Ahmet UYANIK, Ondokuz Mayıs University, TÜRKİYE

Prof. Dr. Berna KILIÇ, Ege University, TÜRKİYE

Prof. Dr. Çiğdem TAKMA, Ege University, TÜRKİYE

Prof. Dr. Ertan BUYRUK, Sivas Cumhuriyet University, TÜRKİYE

Prof. Dr. Gökhan CİVELEKOĞLU, Akdeniz University, TÜRKİYE

Prof. Dr. Hasan TANAK, Amasya University, TÜRKİYE

Prof. Dr. Hasan TEMİZ, Ondokuz Mayıs University, TÜRKİYE

Prof. Dr. İbrahim Özgür DENEME, Aksaray University, TÜRKİYE

Prof. Dr. İbrahim UĞUR, Süleyman Demirel University, TÜRKİYE

Prof. Dr. Theodore A. TSİLİGİRİDİŞ, Athens University of Agriculture, GREECE

Prof. Dr. Ümit Cafer YILDIZ, Karadeniz Technical University, TÜRKİYE

Assoc. Prof. Dr. Mehmet EBEOĞLUGİL, Dokuz Eylül University, TÜRKİYE

Assoc. Prof. Dr. Belgin KARABACAKOĞLU, Eskişehir Osmangazi University, TÜRKİYE

Assoc. Prof. Dr. Bülent BOSTANCI, Erciyes University, TÜRKİYE

Assoc. Prof. Dr. Ergün EKİCİ, Çanakkale Onsekiz Mart University, TÜRKİYE

Assoc. Prof. Dr. Kadırbay CHEKİROV, Kyrgyz Turkish Manas University, KYRGYZSTAN

Assoc. Prof. Dr. Nilüfer YURTAY, Sakarya University, TÜRKİYE

Assoc. Prof. Dr. Özgür Hakan AYDOĞMUŞ, Social Sciences University of Ankara, TÜRKİYE

Assoc. Prof. Dr. Sinan AKISKA, Ankara University, TÜRKİYE

Asst. Prof. Dr. Mehmet GÜCYETMEZ, Kırşehir Ahi Evran University, TÜRKİYE

Asst. Prof. Dr. Melahat CİHAN, Samsun University, TÜRKİYE

Asst. Prof. Dr. Sedat KARADAVUT, Trakya University, TÜRKİYE

* The ranking is arranged alphabetically within the academic title

EDITORIAL - ADVISORY BOARD*

Prof. Dr. Aglaia (Litsa) LIOPA-TSAKALIDI, Institute of Western Greece, GREECE

Prof. Dr. Ercan EFE, Kahramanmaraş Sutcu Imam University, TÜRKİYE

Prof. Dr. Mohammad Masood TARIQ, University of Balochistan, PAKISTAN

Prof. Dr. Mustafa Çağatay TUFAN, Ondokuz Mayıs University, TÜRKİYE

Prof. Dr. Özkan GÖRGÜLÜ, Ahi Evran University, TÜRKİYE

Assoc. Prof. Dr. Taner TUNÇ, Ondokuz Mayıs University, TÜRKİYE

Asst. Prof. Dr. Emil OMURZAK, Kyrgyz-Turkish Manas University, KYRGYZSTAN

Asst. Prof. Dr. Yılmaz KAYA, Ondokuz Mayıs University, TÜRKİYE

* The ranking is arranged alphabetically within the academic title

STATISTIC EDITOR

Prof. Dr. Mehmet TOPAL, Kastamonu University, TÜRKİYE

ENGLISH EDITOR

Asst. Prof. Dr. Betül ÖZCAN DOST, Ondokuz Mayıs University, TÜRKİYE

TURKISH EDITOR

Prof. Dr. Serkan ŞEN, Ondokuz Mayıs University, TÜRKİYE

REVIEWERS OF THE ISSUE*

- Prof. Dr. Hakan ARSLAN, Ondokuz Mayıs University, TÜRKİYE
- Prof. Dr. İsmail KOÇAK, Bandırma Onyedi Eylül University, TÜRKİYE
- Assoc. Prof. Dr. Aziz Cumhur KOCALAR, Niğde Ömer Halisdemir University, TÜRKİYE
- Assoc. Prof. Dr. Hüseyin Turan ARAT, Sinop University, TÜRKİYE
- Assoc. Prof. Dr. İlknur ŞENTÜRK, Sivas Cumhuriyet University, TÜRKİYE
- Assoc. Prof. Dr. Mehmet Serhat ODABAŞ, Ondokuz Mayıs University, TÜRKİYE
- Assoc. Prof. Dr. Temel VAROL, Karadeniz Technical University, TÜRKİYE
- Assist. Prof. Dr. Altuğ KARABEY, Van Yüzüncü Yıl University, TÜRKİYE
- Assist. Prof. Dr. Arslan KAPTAN, Sivas Cumhuriyet University, TÜRKİYE
- Assist. Prof. Dr. Mahmut Can ŞENEL, Ondokuz Mayıs University, TÜRKİYE
- Assist. Prof. Dr. Oya CENGİZ, Süleyman Demirel University, TÜRKİYE
- Assist. Prof. Dr. Sema ARIMAN, Samsun University, TÜRKİYE
- Dr. Cyril ALİYEBENOMA, University of Benin, NIGERIA.
- Dr. Fatih APAYDIN, Bilecik University, TÜRKİYE
- Dr. Marcelle Michelotti BETTONI, Navarra University, SPAIN

* The ranking is arranged alphabetically within the academic title

Table of Contents

Research Article

- 1. CALCULATION OF INSULATION THICKNESS DEPENDING ON THE COOLEST AND HOTTEST CLIMATE CONDITIONS FOR DIFFERENT FLAT ROOF TYPES OF BUILDINGS**
Okan KON, İsmail CANER..........1-9
- 2. BAĞIRKAÇDERE (ÇANAKKALE) PB-ZN YATAĞI'NIN 3B CEVHER BLOK MODELLEMESİ**
Sinan AKISKA, Elif AKISKA..........10-17
- 3. RISK ANALYSIS AND EVALUATION OF THE CURRENT SITUATION IN TERMS OF WORK SAFETY IN THE DRINKING WATER TREATMENT PLANT**
Hülya BÖKE ÖZKOÇ, Cemre Gizem SAĞLAM, Ayşenur USLU..........18-24
- 4. THE DESIGN AND CONSTRUCTION OF A LOCALLY SOURCED ELECTRIC POWERED STAIR CLIMBING TROLLEY**
Dickson David OLODU, Marvellous ABRAHAM, Jackson JESUOROBO, Odezi Oghenerukevwe AKIAKEME..........25-31
- 5. COMPARISON OF DIFFERENT TOOLS AND METHODS IN THE MEASUREMENT OF LEAF AREA IN ALFALFA**
Tefide KIZILDENİZ..........32-35
- 6. MEKANİK AKTİVE EDİLMİŞ DİASPORİTİK BOKSİTTEN ATMOSFERİK KOŞULLarda MİKRODALGA DESTEKLİ LİC İLE ALÜMİNİA ÜRETİMİ**
Volkan Murat YILMAZ, Kenan YILDIZ..........36-43
- 7. AĞIR ARAÇ FREN DİSKİNİN SONLU ELEMANLAR İLE TERMO-MEKANİK ANALİZİ**
Recep Kadir SİVRİ, İbrahim KELEŞ..........44-52