

Black Sea Journal of Engineering and Science





**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, 2021 - Samsun, TURKEY

Publishing kind: Electronically

OWNER

Assoc. Prof. Uğur ŞEN

DIRECTOR IN CHARGE

Prof. Dr. Hasan ÖNDER

EDITOR BOARDS

EDITOR IN CHIEF

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

Assoc. Prof. Uğur ŞEN Ondokuz Mayıs University, TURKEY

SECTION EDITORS*

Prof. Dr. Erkan YALÇIN, Ondokuz Mayıs University, TURKEY

Prof. Dr. Hasan TANAK, Amasya University, TURKEY

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

Prof. Dr. Mustafa ŞAHİN, Kahramanmaraş Sutcu Imam University, TURKEY

Assoc. Prof. Dr. Esmeray KÜLEY BOĞA, Cukurova University, TURKEY

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

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

Assoc. Prof. Dr. Roswanira Binti AB WAHAB, University of Technology, MALAYSIA

Asst. Prof. Dr. Fatma Sevinç KURNAZ, Yıldız Technical University, TURKEY

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

* 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, TURKEY

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

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

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

Prof. Dr. Soner ÇANKAYA, Ondokuz Mayıs University, TURKEY

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

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

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

* The ranking is arranged alphabetically within the academic title

STATISTIC EDITOR

Prof. Dr. Mehmet TOPAL, Kastamonu University, Turkey

ENGLISH EDITOR

Assoc. Prof. Dr. Sezen Ocak YETİSGİN, Ondokuz Mayıs University, TURKEY

TURKISH EDITOR

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

REVIEWERS OF THE ISSUE*

Prof. Dr. Celal TUNCER, Ondokuz Mayıs University, TURKEY

Assoc. Prof. Dr. Levent MERCAN, Ondokuz Mayıs University, TURKEY

Assoc. Prof. Dr. Özcan YALÇINKAYA, Gazi University, TURKEY

Assist. Prof. Dr. Arzu SEÇER, Çukurova University, TURKEY

Assist. Prof. Dr. Aycan Mutlu YAĞANOĞLU, Atatürk University, TURKEY

Assist. Prof. Dr. Emrah KAYA, İğdır University, TURKEY

Assist. Prof. Dr. Kadir AKAN, Kırşehir Ahi Evran University, TURKEY

Assist. Prof. Dr. Özer KURT, Muş Alparslan University, TURKEY

Dr. Samet Hasan ABACI, Ondokuz Mayıs University, TURKEY

Dr. Pomi SHAHBAZ, Ondokuz Mayıs University, TURKEY

* The ranking is arranged alphabetically within the academic title

Volume 4, Issue 1 (2021)

Table of Contents

Research Article

1. BIOLOGY OF THE MELON WORM, DIAPHANIA HYALINATA L. (LEPIDOPTERA: PYRALIDAE), ON CUCURBITS IN GEZIRA STATE, SUDAN 

(*Kavun kurdu biyolojisi, Diaphania Hyalinata L. (Lepidoptera: Pyralidae): Kabakgillerde, Gezira eyaleti, Sudan*)

Mohamed MOHAMMED.....1-7

2. FARMERS' POINTS OF VIEWS OF RURAL ISSUES AND THEIR RECOMMENDATIONS FOR SOLUTIONS 

(*Çiftçilerin kırsal sorunlara bakış açıları ve çözüm önerileri*)

Çağatay YILDIRIM, Hatice TÜRKEN, İsmet BOZ.....8-13

3. FEATURE EXTRACTION AND CLASSIFICATION OF POWER QUALITY EVENTS BASED ON FAST FOURIER TRANSFORMATION AND ARTIFICIAL NEURAL NETWORK 

(*Hızlı Fourier dönüşümü ve yapay sinir ağına dayalı güç kalitesi olaylarının özellik çıkarılması ve sınıflandırılması*)

Ezgi GÜNEY, Çağrı KOCAMAN.....14-21

4. THE USE OF HONEY LOCUST PODS AS A SILAGE ADDITIVE FOR GRASS 

(*Gladiçya meyvesinin çayırotu silajında kullanımı*)

Inan GÜVEN, Adem KAMALAK.....22-28

Review Article

5. BIOACTIVE NANOPARTICLES SYNTHESIZED BY GREEN METHOD 

(*Yeşil yöntemle sentezlenen biyoaktif nanopartiküler*)

Harun ÇİFTÇİ, Çiğdem ER ÇALIŞKAN, Kübra ÖZTÜRK, Burcu YAZICI.....29-42