



TRAKYA UNIVERSITY



JOURNAL OF NATURAL SCIENCES

24 Volume

2 Number

October

2023

TRAKYA
UNIVERSITY
JOURNAL OF
NATURAL
SCIENCES



Trakya Univ J Nat Sci

ISSN 2528-9691

Trakya University Journal of Natural Sciences

Volume: 24

Number: 2

October 2023

Trakya Univ J Nat Sci

<http://dergipark.org.tr/trkjnat>

e-mail: tujns@trakya.edu.tr

ISSN 2528-9691

Owner

On behalf of Trakya University Rectorship, Graduate
 School of Natural and Applied Sciences
 Prof. Dr. Özlem ÇETİN ERDOĞAN

Editor-in-Chief

Prof. Dr. Kadri KIRAN

Editorial Board

Abdel Hameed A. AWAD	Egypt	İpek SÜNTAR	Türkiye
Albena LAPEVA-GJONOVA	Bulgaria	Kürşad TÜRKŞEN	Canada
Arzu ALTIN YAVUZ	Türkiye (Biostatistics Editor)	Mehmet Bora KAYDAN	Türkiye
Ayşegül ÇERKEZKAYABEKİR	Türkiye (Copyeditor)	Melike SAPMAZ METİN	Türkiye
Bálint MARKÓ	Romania	Mustafa YAMAÇ	Türkiye
Beata ZIMOWSKA	Poland	Mykyta PEREGRYM	Hungary
Belgin SÜSLEYİCİ	Türkiye	Naime ARSLAN	Türkiye
Boris ASSYOV	Bulgaria	Neveen S.İ. GEWEELY	Egypt
Burak ÖTERLER	Türkiye (Design Editor)	Özgür EMİROĞLU	Türkiye
Bülent YORULMAZ	Türkiye	Özkan DANİŞ	Türkiye
Celal KARAMAN	Türkiye (Copyeditor)	Panagiotis MADESIS	Greece
Cem VURAL	Türkiye	Regina KAROUSOU	Greece
Coşkun TEZ	Türkiye	Reşat ÜNAL	Türkiye
Davide BARRECA	Italy	Saliha ÇORUH	Türkiye
Dimitrios MOSSIALOS	Greece	Selçuk KORKMAZ	Türkiye (Biostatistics Editor)
Enes TAYLAN	United States	Seray TÖZ	Türkiye
Emre EVLİCE	Türkiye	Tuğba ONGUN SEVİNDİK	Türkiye
Gamze ALTINTAŞ KAZAR	Türkiye (Design Editor)	Vedat BEŞKARDEŞ	Türkiye
Graham SAUNDERS	England	Volkan AKSOY	Türkiye (Eng Language Editor)
Güray DOĞAN	Türkiye	Yerlan TURUSPEKOV	Kazakhstan
Hatice KORKMAZ GÜVENMEZ	Türkiye	Yeşim SAĞ	Türkiye
Herdem ASLAN	Türkiye	Yıldız AYDIN	Türkiye
Ionnias BAZOS	Greece	Zeynep KATNAŞ	Türkiye
İskender KARALTI	Türkiye		

Correspondence Address

Trakya Üniversitesi Fen Bilimleri Enstitüsü Binası, Balkan Yerleşkesi – 22030 Edirne / TÜRKİYE
 e-mail: tujns@trakya.edu.tr
 Tel: +90 284 2358230
 Fax: +90 284 2358237

This Journal is a peer reviewed journal and is indexed by Biological Sciences, BIOSIS Previews, CAB Abstract, DOAJ (Directory of Open Access Journal), ESCI (Emerging Sources Citation Index), TUBITAK-ULAKBİM Life Sciences Database (Turkish Journal Index) and Zoological Record.

Publisher

Trakya Üniversitesi Matbaa Tesisleri / Trakya University Publishing Centre

TRAKYA UNIVERSITY JOURNAL OF NATURAL SCIENCE

Volume 24

Number 2

October

2023

REVIEWER LIST

Alper ÇİFTÇİ (Çanakkale, TÜRKİYE)

Aurelia PAZ (Girona, SPAIN)

Etil GÜZELMERİÇ (İstanbul, TÜRKİYE)

Ezgi Çabuk Şahin (İstanbul, TÜRKİYE)

Fotios XYSTRAKIS (Thessaloníki, Greece)

Fuat BOZOK (Osmaniye, TÜRKİYE)

Funda SENTURK AKFİRAT (Kocaeli, TÜRKİYE)

Giuseppe Tancredi PATANÈ (Messina, Italy)

İlknur DAĞ (Eskişehir, TÜRKİYE)

Kadriye Özlem HAMALOGLU (Ankara, TÜRKİYE)

Leyla ÖZKAN (Düzce, TÜRKİYE)

Mehmet ATAŞ (Sivas, TÜRKİYE)

Merve AÇIKEL ELMAS (İstanbul, TÜRKİYE)

Nataliia PASHKEVYCH (Kyiv, UKRAINE)

Nnadi Nnaemeka EMMANUEL (Jos, NIGERIA)

Oksana KUCHER (Kyiv, UKRAINE)

Paulina ANASTASIŪ (Bucharest, HUNGARY)

Pınar KÖROĞLU (İstanbul, TÜRKİYE)

Rasime DEMİREL (Eskişehir, TÜRKİYE)

Ravil HUSEYNOV (Baku, AZERBAIJAN)

Serkan ÖRTÜCÜ (Erzurum, TÜRKİYE)

Teresa GERVASI (Messina, Italy)

Yeşim DAĞLIOĞLU (Ordu, TÜRKİYE)

CONTENTS

Editorial

1. Zafer KOÇAK 1-3
Misleading metrics: predatory trade expands

Research Article

2. Sergii ROGOVSKYI, Liubov ISHCHUK, Halyna ISHCHUK 5-21
**Chornobyl's current dendroflora: analysis of natural successions
in the abandoned urban phytocoenoses**
3. Dilvin İPEK 23-30
**Evaluation of quorum sensing signals of strong biofilm producing bacteria
via LC-MSMS, HPLC and biosensors**
4. Vladyslav PARAKHNENKO, Volodymyr VITENKO, Inna DIDENKO, 31-40
 Sergiy KOVAL, Vitalii CHERNYSH
**Distribution of *Ambrosia artemisiifolia* L. in the Right-Bank Forest-Steppe of
Ukraine and its adaptive potential**
5. Ayşe ÜSTÜN, Ayşenur YAZICI, Serkan ÖRTÜCÜ 41-48
Isolation of a novel antimicrobial polypeptide from an *Aspergillus niger* Isolate
6. Nurgül KARLIOĞLU KILIÇ, Ergün BACAK, Rüya YILMAZ DAĞDEVİREN, 49-55
 Arif Cemal ÖZSEMİR, Elif Ayşe YILDIRIM, Umut GÜNGÖR, Vedat BEŞKARDEŞ
**An evaluation of Sylviidae species in the transport of pollen:
a case study of İstanbul**
7. Çağla ERSÖZ, Deniz ALTUN ÇOLAK 57-66
**Effect of bitter melon against cisplatin and valproic acid-induced genotoxicity
in *Drosophila melanogaster* Meigen**
8. Gamze GÖGER, Esma ÇEVİK, Alişan VARNALI, Ömer Koray YAYLACI, 67-75
 Medine Münevver UMA, Gülmira ÖZEK
**Screening of *Achillea coarctata* Poir. and *Achillea setacea* Waldst. & Kit. (Asteraceae)
for their volatile and fatty acids compositions, and antimicrobial activities**

9. *Esin POYRAZOĞLU ÇOBAN, Mediha ONUR* **77-84**
**Isolation and identification of biofilm-forming bacteria in foods supplied
for consumption in open-air market stalls: a case study in Aydın province**
10. *Ilgaz AKATA, İsmail ŞEN, Ergin ŞAHİN, Bekir ÇÖL, Emre KESKİN* **85-90**
***Delastria*, a new genus of hypogeous fungi recorded for the Turkish mycobiota**
11. *Metin Burak TATLISES, Semra HASANÇEBİ* **91-100**
**Identification of lens cultivars in market by molecular tools:
DNA barcoding and SSRs**

Review

12. *Gizem DEYNEZ, Ece Miser SALİHOĞLU, İpek SÜNTAR* **101-116**
**The role of anticoagulant, thrombolytic, and fibrinolytic activities
in the prevention of peritoneal adhesion**