

ERZİNCAN UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY

ISSN: 1307-9085, e-ISSN: 2149-4584

EDITOR IN CHIEF

Assoc. Prof. Dr. Kemal Volkan ÖZDOKUR
Erzincan Binali Yıldırım University

ASSOCIATE EDITORS

Assoc. Prof. Dr. Özlem BARAN ACIMERT
Erzincan Binali Yıldırım University

Ass. Prof. Dr. Fidan ERDEN KARAOĞLAN
Erzincan Binali Yıldırım University

EDITORIAL BOARD

Prof. Dr. Ali Ercan EKİNCİ

Erzincan Binali Yıldırım University

Prof. Dr. Bülent ÇAĞLAR

Erzincan Binali Yıldırım University

Prof. Dr. Suat ÇOLAK

Erzincan Binali Yıldırım University

Prof. Dr. Yeşim KARASULU

Ege University

Assoc. Prof. Dr. Fulya ASLAY

Erzincan Binali Yıldırım University

Ass. Prof. Dr. Agah Oktay ERTAY

Erzincan Binali Yıldırım University

Assoc. Prof. Dr. Neşe ERTUGAY

Erzincan Binali Yıldırım University

Prof. Dr. Salih DOĞAN

Erzincan Binali Yıldırım University

Ass. Prof. Dr. Emre YAVUZ

Erzincan Binali Yıldırım University

Doç. Dr. Tuba AKKUŞ

Erzincan Binali Yıldırım University

Doç. Burcu BOZKURT ÇIRAK

Erzincan Binali Yıldırım University

Ass. Prof. Dr. Vael HAJAHMAD

Erzincan Binali Yıldırım University

Prof. Dr. Süleyman KOÇAK

Manisa Celal Bayar University

Assoc. Prof. Dr. Özgür ARAR

Ege University

**Ass. Prof. Dr. Burçin
TÜRKMENOĞLU**

Erzincan Binali Yıldırım University

Ass. Prof. Dr. Mehmet KUZUCU

Erzincan Binali Yıldırım University

Assoc. Prof. Dr. Tülay ERİŞİR

Erzincan Binali Yıldırım University

Prof. Dr. Öztekin ALGÜL

Mersin University

Ass. Prof. Dr. İrem BOZBEY MERDE

Erzincan Binali Yıldırım University

Ass. Prof. Dr. Arif Onur EDEN

Erzincan Binali Yıldırım University

Ass. Prof. Dr. Mert KARAOĞLAN

Erzincan Binali Yıldırım University

Ass. Prof. Dr. Ali CELEN

Erzincan Binali Yıldırım University

Ass. Prof. Dr. Mehmet Kürşat ÖKSÜZ

Erzincan Binali Yıldırım University

Ass. Prof. Dr. Deniz ELMACI

Dokuz Eylül University

Assoc. Prof. Dr. İsmail TONTUL

Necmettin Erbakan University

Ass. Prof. Dr. Ülgen İlknur KONAK

Avrasya University

Ass. Prof. Dr. Fundagül EREM

Zonguldak Bülent Ecevit University

Ass. Prof. Dr. Takaichi WATANABE

Okayama University

**Ass. Prof. Dr. Ayşenur KELEŞ
DAYAUÇ**

Hitit University

Assoc. Prof. Dr. Aykut ÖZGÜR

Tokat Gaziosmanpaşa University

Ass. Prof. Dr. M. Mustafa ÇETİN

Kadir Has University

Res. Ass. Zehra ÖKSÜZ

Mersin University

**Assoc. Prof. Dr. Kemal
BUHARALIOĞLU**

İzmir Katip Çelebi University

**Assoc. Prof. Dr. Hayrettin Ozan
GÜLCAN**

Eastern Mediterranean University

Prof. Dr. Seyhan ŞAHAN FIRAT

Mersin University

Marin MARİN

Transylvania University of Braşov

Sorin VLASE

Transylvania University of Braşov

Prof. Dr. Alper SEZER

Ege University

AIMS AND SCOPE

The aim of the **Erzincan University Journal of Science and Technology** is to publish original research articles and reviews made in the fields of Science, Engineering in order to create a quality academic contribution in these fields.

Research areas covered in the journal:

- Physics, Chemistry, Biology, Mathematics and related areas
- Mechanical, Electrics-Electronics, Civil and related engineering areas
- Health sciences and related areas

Open Access Policy

Erzincan University Journal of Science and Technology is an open access journal which means that all content is freely available without charge to the user or his/her institution. Users are allowed to read, download, copy, distribute, print, search, or link to the full texts of the articles, or use them for any other lawful purpose, without asking prior permission from the publisher or the author. Erzincan University Journal of Science and Technology signed the Budapest Open Access Declaration (<https://budapestopenaccessinitiative.org/>).

Editor in chief: Doç. Dr. Kemal Volkan ÖZDOKUR

Address: Department of Chemistry, Erzincan Binali Yıldırım University, Erzincan, Türkiye.

E-mail: fbedergierzincan@gmail.com

Publisher: Erzincan Binali Yıldırım University

Address: Erzincan Binali Yıldırım University, Erzincan, Türkiye.

RESEARCH ARTICLES:

Page	Manuscript Title Authors
1-15	Prediction of Radio Signal Failures of Communication Based Train Operating Systems by Machine Learning Methods Burak ARSLAN and Hasan TİRYAKİ
16-36	Risk Prioritization in A Manufacturing Project with Fuzzy SWARA and Fuzzy MOORA Methods Tülay KORKUSUZ POLAT and Gülsüm SALTAN YAŞLI
37-43	On tau-discrete modules Burcu NİŞANCI TÜRKMEN and Ergül TÜRKMEN
44-54	Investigation of the Effect of Zoning Peace on Construction in Plateau and Rangeland Alper AKAR <i>etal.</i>
55-68	Photocatalytic Performances of ZnS/g-C3N4 Nanocomposites with Different Mass Ratios Bilge DOĞAN, <i>etal.</i>
69-79	Investigation and Improvement of Thermal and Mechanical Properties of Recycled Polypropylene / Oxidized Polyethylene Composites Erhan DEMİRCAN, <i>etal.</i>
80-90	Investigation of genetic diversity in lentil genotypes obtain from different countries using SDS-PAGE methodology Mehmet Zahit YEKEN, <i>etal.</i>
91-99	Evaluation of Antimicrobial Effects of Some Plant Species Growing in Turkiye: Verbascum lydium Boiss. var. lydium Boiss., Euphorbia anacampseros Boiss. var. tmolea M.S. Khan., Rosa pisiformis subsp. pisiformis (Christ) D. Sosn., Stachys tmolea Boiss. subsp. tmolea and Aronia melanocarpa (Michx.) Elliott Çiğdem BILGI, <i>etal.</i>
100-112	Determination of the Relationship Between the Number of Clusters and Primary Bud Size in Vitis vinifera and Vitis labrusca Grapevines by Histological Sectioning Method Muhammed KÜPE
744-755	Determination of the Natural Frequency Change of Different Bayburt Stone (Tüfit) Sizes During the Transportation in the Screw Conveyor Engin ERBAYRAK Burhan KIRAR
113-128	A new Turkish pharmacokinetics software program for therapeutic drug monitoring of theophylline Gülbeyaz YILDIZ TÜRKYILMAZ, <i>etal.</i>
129-136	Does Articular Pressure Change Vital Signs During Temporomandibular Joint Arthrocentesis? Fatih ÇELİK, <i>etal.</i>
137-146	Examining Tongue Size in OSA Patients with Lateral Cephalometric Radiography Elif ÇELİK, <i>etal.</i>

- 147-163 **Genome-Wide Analysis and Characterization of the AHL Gene Family in Common Beans (*Phaseolus vulgaris* L.)**
Yaren BOZKURT, *etal.*
- 164-173 **The Combined Effect of Vulpinic Acid and Doxorubicin in Breast Cancer MCF-7 Cells**
Esma Kübra KAĞAN YENİÇERİ, *etal.*
- 174-195 **Exploring Novel Schiff Base Compounds Derived from Benzothiophene-3-carboxaldehyde Hydrazones: In vitro and In silico Evaluation as Potential Inhibitors of Cholinesterases and Carbonic Anhydrases I-II**
Şule Gürsoy, *etal.*
- 196-209 **Effect of Hydrothermal Reaction Temperature on the Structural and Optical Properties of CuO Thin Films**
Aykut Astam and Ömer Kaya
- 210-229 **First Description of Deutonymph Male of *Eustigmaeus anauniensis* (Canestrini) (Trombidiformes: Stigmaeidae)**
Salih DOĞAN, *etal.*
- 230-240 **Benzimidazole-Platinum Complex and Its Cytotoxic activity on U87 Cell Lines**
Aydan ARI, *etal.*
- 241-258 **Trichomes on Vegetative and Reproductive Organs of Endemic *Ballota macrodonta* (Lamiaceae)**
Nezahat KANDEMİR, *etal.*
- 259-267 **Reconstruction of a Ruled Surface in 3-dimensional Euclidean Space**
Mustafa DEDE, *etal.*
- 268-278 **A Research on the Generalizations of Modules Whose Submodules are Isomorphic to a Direct Summand**
Fatih KARABACAK and Özgür TAŞDEMİR
- 279-300 **Evaluation of Different Strengthening Projects of Yenice Kalaycılar Primary School According to 2007 and 2019 Turkish Earthquake Regulations**
Mustafa Esat Coşkun, *etal.*
- 301-308 **A Note On ϕ - Strongly Quasi Primary Ideals**
Rabia Nagehan Üregen

REVIEW ARTICLE:

Page	Manuscript Title	Authors
------	------------------	---------