

Volume: 3

Issue: 3

July 2023

ISSN: 2757-7783



Journal of Nature, Science & Technology

Editor: A.C. AYDIN

Academy
Publishing

Journal of Nature, Science & Technology

Editor-in-Chief & Managing Editor

Abdulkadir Cüneyt AYDIN

E-mail: acaydin@atauni.edu.tr

EDITORIAL BOARD

Abdusalom UMAROV Tashkent Institute of Railway Trasport Engeneers, UZBEKISTAN	A. F. M. Motiur RAHMAN College of Pharmacy, King Saud University, SAUDİ ARABİA	Arzu KANCA Ataturk University, TURKEY	Aydın GEZER Ataturk University, TURKEY
Ayfer DÖNMEZ ÇAVDAR Karadeniz Technical University, TURKEY	Cahit YEŞİLYAPRAK Ataturk University, TURKEY	Cavit KAZAZ Ataturk University, TURKEY	Deniz DAL Ataturk University, TURKEY
Ekrem KALKAN Ataturk University, TURKEY	Emre GÜR Ataturk University, TURKEY	Ensar OĞUZ Ataturk University, TURKEY	Fazilet PARLAKOVA KARAGÖZ Ataturk University, TURKEY
Gamal Abou-Elgheat KHATER National research Centre, EGYPT	Göksel TOZLU Ataturk University, TURKEY	Gülşen TOZSİN Ataturk University, TURKEY	Hayrunnisa NADAROĞLU Ataturk University, TURKEY
Hongze WANG Shanghai Jiao Tong University, CHİNA	İsmail SOLMUŞ Ataturk University, TURKEY	Köksal ERENTÜRK Ataturk University, TURKEY	Levent BAYINDIR, Ataturk University, TURKEY
Levent GÜLTEKİN Ataturk University, TURKEY	M. Gökalp BOYDAŞ Ataturk University, TURKEY	M. Murat KARAOĞLU Ataturk University, TURKEY	Melek EKİNCİ Ataturk University, TURKEY
Memiş ÖZDEMİR Ataturk University, TURKEY	Mohammed Yousuf KAMIL Mustansiriyah University, IRAQ	Murat ARSLAN Ataturk University, TURKEY	Murat KURUDİREK Ataturk University, TURKEY
Mustafa YILMAZ Ataturk University, TURKEY	Nurinisa ESENBÜĞA Ataturk University, TURKEY	Ö. Köksal ERMAN Ataturk University, TURKEY	Ökkeş ATICI Ataturk University, TURKEY
Puneet Kumar AGARWAL Kalinga University, INDIA	Rıdvan DURAK Ataturk University, TURKEY	Serdar BİLEN Ataturk University, TURKEY	Sevgi YILMAZ Ataturk University, TURKEY
Shpetim REXHEPI Mother Theresa University, MACEDONIA	Sırrı ŞAHİN Ataturk University, TURKEY	Sinan KOPUZLU Ataturk University, TURKEY	Ümit İNCEKARA Ataturk University, TURKEY
Üstün ŞAHİN Ataturk University, TURKEY	Y. Kemal BAYHAN Ataturk University, TURKEY	Yağmur ÜNVER Ataturk University, TURKEY	Yavuz TOPÇU Ataturk University, TURKEY

Journal of Nature, Science & Technology is a quarterly published by ACA Publishing, as an international open access journal. Whole of the submitted papers are subjected to peer review process. The manuscripts with high quality original content will be published.

Copyright © ACA Publishing Online ISSN: 2687-5195
Publisher: Abdulkadir Cüneyt AYDIN <ACA Publishing>
Ataturk University, Engineering Faculty
Department of Civil Engineering
25030 Erzurum, TURKEY

Journal of Nature, Science & Technology

Volume: 3 Issue: 3

July 2023

ISSN: 2757-7783

Contents

Article ID