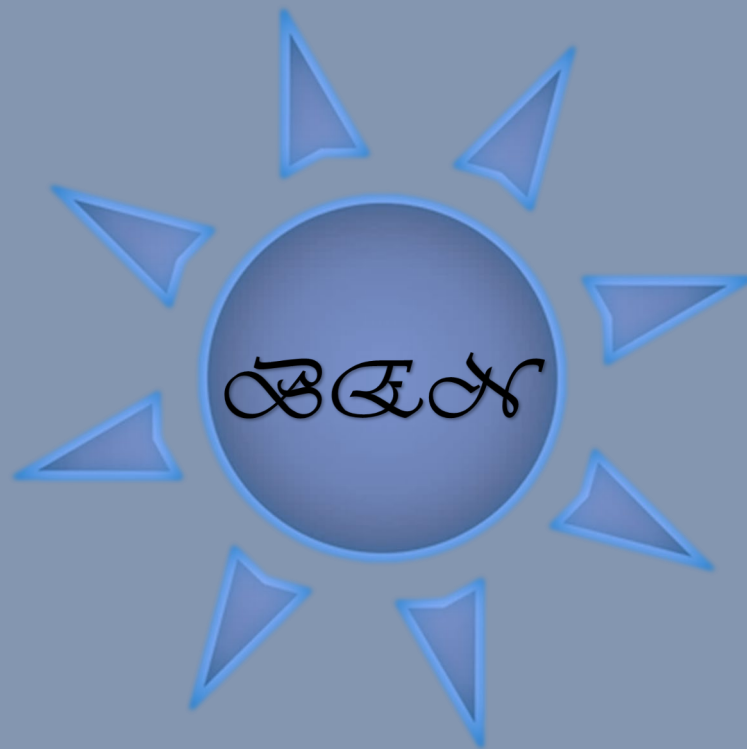


Volume: 6

Issue: 3

July 2025

ISSN: 2687-5195



Brilliant Engineering

Editor: A.C. AYDIN

HEA
Publications

Brilliant Engineering

Editor-in-Chief & Managing Editor

Abdulkadir Cüneyt AYDIN

E-mail: acaydin@atauni.edu.tr

Editorial Board

Ali ALLAHVERDİ Kuwait University, KUWAIT	Ayhan ÇELİK Ataturk University, TURKEY	Ayman S. MOSALLAM University of California, USA
Ayşe YURTCAN BAYRAKÇEKEN Ataturk University, TURKEY	Bennaceur OUAKİ ENSMR, MOROCCO	Burak DİKİCİ Ataturk University, TURKEY
Burak ERKYAMAN Ataturk University, TURKEY	Ensar OĞUZ Ataturk University, TURKEY	Ergün YILDIZ Ataturk University, TURKEY
German DELAFUENTE Zaragoza University, SPAIN	Hikmet ALTUN Ataturk University, TURKEY	Hüseyin BİLGİN EPOKA University, ALBANIA
Hongze WANG Shanghai Jiao Tong University, CHINA	İhsan EFEOĞLU Ataturk University, TURKEY	Jian JIANG China University of Mining and Technology, CHINA
Jinyang XU Shanghai Jiao Tong University, CHINA	Kadir BİLEN Ataturk University, TURKEY	Kemal BEYEN Kocaeli University, TURKEY
Khalil EL-HAMI University of Hassan, MOROCCO	Mahmood KHALID King Abdulaziz University, SAUDI ARABIA	Mahmut FIRAT Inonu University, TURKEY
Marko SERAFIMOV Methodius University, MACEDONIA	Mehmet Emin AYDIN University of the West England, UK	Mehmet ERTUĞRUL Ataturk University, TURKEY
Mehmet İNAN Oregon University, USA	Mirsaeid Hosseini SHIRVANI Sari Branch, Islamic Azad University, Sari, IRAN	Mohd Nizar HAMIDON Universiti Putra MALAYSIA
Mojtaba B. SİRJANİ Norfolk State University, USA	Murat DAL Munzur University, TURKEY	Naimul HAQUE East West University, BANGLADESH
Omer ÇOMAKLI Ataturk University, TURKEY	Özgür ANIL Gazi University, TURKEY	Taner TEKİN Ataturk University, TURKEY
Togay ÖZBAKKALOĞLU Texas State University, USA	Vahid JAHANGIRI University of Mohaghegh Ardabili, IRAN	Vecihi YİĞİT Ataturk University, TURKEY
Yao YU North Dakota State University, USA	Yusuf ÖZTÜRK San Diago State University, USA	

Brilliant Engineering 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

Contents

Article ID

Ayşe Nur Arac, Gökhan Kaplan

An Experimental Study on the Thermal Behavior and Mechanical Properties of Fiber-Reinforced Geopolymer Composites Based on Fly Ash and Blast Furnace Slag

41037

Research Article

Hakan Kiziltas, Gokhan Ozturk

Design, Parametric Analysis, and Experimental Validation of a Screen-Printed Flexible Band-Stop Frequency Selective Surface

41040

Research Article

Md Foysal Rahman, Hrittik Mural, Afsana Akter, Dewan Tanjim-ul-Islam, Adri Dash

A Horizontal Belt Abrasive Grinding Machinery with a Pulley System: Planning and Building

41041

Research Article

Kerem Aybar , Serdal Ünal, Ömer Karagöz, Mehmet Canbaz

Development of a Flexible, Shape-Adaptive and Waterproof Cementitious Composite Reinforced with 3D Textile

41049

Research Article

Galal Al-siani, Hakan Kiziltas

Synthesis and Characterization of BiVO₄/WO₃/TiO₂ Composite for the Photocatalytic Activity of Methylene Blue

41050

Research Article

Barış Bayrak, Abdulkadir Cüneyt Aydın

Neural Network Modelling of Shear Wall Design

41048

Research Article