

JOURNAL OF STRUCTURAL ENGINEERING & APPLIED MECHANICS

VOLUME 9 • ISSUE 2 • JUNE 2026

ISSN: 2630-5763

Editor-in-Chief

VOLKAN KAHYA

KARADENİZ TECHNICAL UNIVERSITY, TÜRKİYE

Managing Editor

AHMET CAN ALTUNIŞIK

KARADENİZ TECHNICAL UNIVERSITY, TÜRKİYE



www.dynaaca.com



www.goldenlightpublish.com

Journal of Structural Engineering & Applied Mechanics

ISSN: 2630-5763 (online)

Editor-in-Chief

[Volkan Kahya](#)

Karadeniz Technical University (volkan@ktu.edu.tr)

Managing Editor

[Ahmet Can Altunışık](#)

Karadeniz Technical University (ahmetcan@ktu.edu.tr)

Design & Layout Editor

[Hasan Basri Başağa](#)

Karadeniz Technical University (hasanbb@ktu.edu.tr)

[Journal of Structural Engineering & Applied Mechanics](#) is an international journal quarterly published by Golden Light Publishing®. Each paper submitted is subject to peer review, and only papers of the highest quality that contain original ideas will be published.

Golden Light Publishing® is a trademark of Dynamic Academy®.

Contact

Golden Light Publishing®

Tel: +90 530 223-2169

E-mail: info@goldenlightpublish.com

Webpage: <https://www.goldenlightpublish.com/journals/1/jseam>

EDITORIAL BOARD (in alphabetical order)

[Abdullah Avey](#)

İstanbul Ticaret University, Türkiye

[Adem Doğangün](#)

Uludağ University, Türkiye

[Ahmet Birinci](#)

Karadeniz Technical University, Türkiye

[Alireza Akhavan-Safar](#)

Institute of Science and Innovation in Mechanical
and Industrial Engineering, Portugal

[Alp Caner](#)

Middle East Technical University, Türkiye

[Barış Sevim](#)

Yıldız Technical University, Türkiye

[Daniel V. Oliveira](#)

University of Minho, Portugal

[Ehsan Noroozinejad](#)

Western Sydney University, Australia

[Erol Tutumluer](#)

University of Illinois, Urbana-Champaign, USA

[Halil Sezen](#)

Ohio State University, USA

[Hasan Biglari](#)

University of Tabriz, Iran

[Kemal Hacıefendioğlu](#)

Karadeniz Technical University, Türkiye

[Korhan Özgan](#)

Karadeniz Technical University, Türkiye

[Kurtuluş Soyluk](#)

Gazi University, Türkiye

[Majid Ayatollahi](#)

Iran University of Science and Technology, Iran

[Mehmet Hakkı Omurtag](#)

İstanbul Medipol University, Türkiye

[Metin Hüsem](#)

Karadeniz Technical University, Türkiye

[Mohammad Reza Eslami](#) (Emeritus)

Amirkabir University of Technology, Iran

[Mohammed Hadj Meliani](#)

Hassiba BenBouali University of Chlef, Algeria

[Mohammad Shariyat](#)

K.N. Toosi University of Technology, Iran

[Murat Emre Kartal](#)

İzmir Democracy University, Türkiye

[Nihal Eratlı](#)

İstanbul Technical University, Türkiye

[Ömer Civalek](#)

Akdeniz University, Türkiye

[Parsa Ghannadi](#)

Islamic Azad University, Iran

[Raafat El-Hacha](#)

University of Calgary, Canada

[Samir Khatir](#)

Ghent University, Belgium

[Seyed Sina Kourehli](#)

Azərbaycan Şahid Mədanı University, Iran

[Sez Atamturktur](#)

Pennsylvania State University, USA

[Thuc P. Vo](#)

La Trobe University, Australia

Journal of Structural Engineering & Applied Mechanics

Volume 9, Issue 2, July 5, 2026

CONTENTS

Research Article

[Comparative analysis for effects of gross and effective cross-sectional stiffness on seismic response of RC buildings](#)

Adeel Arif, Elif Boru, Osman Kirtel

Article Number 649

Research Article

[Analysis of buildings in Tunceli – Pülümür district with the Canadian seismic screening method](#)

Yunus Emre Gündoğdu, Berivan Yilmazer Polat

Article Number 651

Research Article

[Effect of reinforcement areal weight on laminate thickness in unidirectional carbon fiber reinforced composites](#)

Gülnur Başer, Berk Aygün

Article Number 654

Research Article

[Effect of fine tire rubbers on the compressive strength of concrete with respect to the geometry of the test specimen](#)

Albduhamit Nakipoğlu, Muhammed Cemaloğlu, Mahmud Sami Döndüren

Article Number 688

Research Article

[Comparative performance of regional and global GMPEs for moderate and large earthquakes: A case study of Gölyaka \(2022\) and Pazarcık \(2023\)](#)

Elif Toplu, Osman Kirtel

Article Number 694

Research Article

[An elastic orthotropic punch problem in a functionally graded orthotropic layer and orthotropic half-plane system](#)

Mohamed Hassan Ali, Pembe Merve Karabulut

Article Number 706