

GAZİ**JOURNAL OF ENGINEERING SCIENCES****EDİTÖR / EDITOR - IN - CHIEF****İsmail ŞAHİN**

Gazi University, Ankara, Turkey

e-mail: editorgjes@gmail.com**YARDIMCI EDİTÖRLER / ASSOCIATE EDITORS****Harun GÖKÇE**

Gazi University

e-mail: harungokce@gazi.edu.tr**Murat DÖRTERLER**

Gazi University

e-mail: dorterler@gazi.edu.tr**ALAN EDİTÖRLERİ / SECTION EDITORS****Abdullah AKDOĞAN**

Pamukkale University

Adem TEKEREK

Gazi University

Alper BÜYÜKKARAGÖZ

Gazi University

Amin MIRZAPOUR

Zanjan Islami Azad University

Ayhan AYTAÇ

National Defense University

Bülent ÖZKAN

Gazi University

Erdem CÜCE

Recep Tayyip Erdoğan University

Fecir DURAN

Gazi University

Fatih ŞAHİN

Gazi University

G. Serdar TOMBUL

ASELSAN

Halil KARAKOÇ

Hacettepe University

Hüseyin GÖKÇE

Çankırı Karatekin University

M. Hanefi CALP

Karadeniz Technical University

Mustafa BOZ

Karabük University

Mustafa GÜNAY

Karabük University

Neslihan TOP

Gazi University

Serhat KARAP

TUBİTAK-SAGE

Tayfun MENLİK

Gazi University

Umit ATİLA

Gazi University

YAYIN DANIŞMA KURULU / ADVISORY BOARD**Adnan SÖZEN**

Gazi University, Turkey

Andrew PINKERTON

Lancaster University, England

Bekir Sami YILBAŞ

King Fahd University, Sudia Arabia

Farzollah MIRZAPOUR

University of Zanjan, Iran

Majid MEGHDADI

University of Zanjan, Iran

Mustafa KURT

Gazi University, Turkey

Nowruz ALLAHVERDİ

Karatay University, Turkey

Reza Negarastani

RIETEX, England

GAZİ**JOURNAL OF ENGINEERING SCIENCES****Herbert M. REYNOLDS**

Michigan State University, USA

Jamal KHATIB

University of Wolverhampton, England

John KINUTHIA

University of South Wales, England

Jonathan C. BORG

University of Malta, Malta

Hossam KISHAWY

University of Ontario Technology, Canada

Kürşad SEZER

Gazi University, Turkey

Salman NISAR

National University of Sci. and Tech., Pakistan

Shahin JALILI

TebriZ University, Iran

Şakir TAŞDEMİR

Selçuk University, Turkey

Tahsin Tecelli ÖPÖZ

John Moores University, England

Yasir JOYA

GIK Institute, Pakistan

DİL EDİTORLERİ / LANGUAGE EDITORS**Türkçe/Turkish:** V. Savaş YELOK (Hacı Bayram Veli University)**İngilizce/English:** H. Kürşad SEZER (Gazi University)**TEKNİK EDİTÖR / TECHNICAL EDITOR****Neslihan TOP**

Gazi University

Nurullah YÜKSEL

Gazi University

e-mail: editorgjes@gmail.com**MİZANPAJ EDİTÖRÜ / LAYOUT EDITOR****M. Efe CEYLAN**

Gazi University

e-mail: editorgjes@gmail.com**BU SAYININ HAKEMLERİ / REVIEWER OF THIS ISSUE**

Ahmet İyigör

Ahmet Serdar Güldibi

Ayhan Onat

Barış Özlü

Caner Kara

Emre Delibaş

Emre Alvur

Erhan Polat

Eriç Karataş

Fikriye Ataman

Gültekin Uzun

Hilal Kaya

Hülya Öztürk Doğan

Kerem Taştan

Kerim Martin

Mehmet Şimşek

Muhammed Elitaş

Murat Uçar

Mustafa Günay

Mustafa Akkaya

Orhan Çakar

Osman Yıldız

Serkan Savaş

Taha Etem

Tuncay Karaçay

Çağrı Vakkas Yıldırım

İ. Ethem Karadirek

İbrahim Arda Cankaya

İpek Aytaç

İsmail Altın



GAZİ

JOURNAL OF ENGINEERING SCIENCES

Gazi Journal of Engineering Sciences has been published three issues per year

CORRESPONDENCE ADDRESS :

Gazi Akademik Yayıncılık
Mustafa Kemal Mah. 2118 Cad. No:4C/140 Çankaya/Ankara
Tel: +90-312-9113311 Fax: +90-312-9113312
e-mail: editorgjes@gmail.com