



Volume:2 Issue:01 June, 2023

# *International Journal of Pioneering Technology and Engineering*

# International Journal of Pioneering Technology and Engineering (IJPTE)

ISSN: 2822-454X

Double Blind Peer Review International Academic Journal

Volume 2, Issue 01

June 2023



International Journal of Pioneering Technology and Engineering

# Editorial Team

## Editor-in-Chief

Dr. Levent UĞUR (Amasya University, Turkey)

## Editors

Dr. Arif ÖZKAN (Kocaeli University, Turkey)  
Dr. Aytaç YILDIZ (Bursa Technical University, Turkey)  
Dr. Burak KURŞUN (Amasya University, Turkey)  
Dr. Erhan BERGİL (Amasya University, Turkey)  
Dr. Hakan KAZAN (Amasya University, Turkey)  
Dr. Volkan KUKUL (Amasya University, Turkey)

## Language Editor

Dr. Ayfer Su BERGİL (Amasya University, Turkey)

## Publication Editors

Dr. Kutay AYDIN (Amasya University, Turkey)

## Editorial Board

Dr. Ahmet Turan KAYA (Amasya University, Amasya, Turkey)  
Dr. Akif AKGÜL (Hitit University, Çorum, Turkey)  
Dr. Ali KILIÇARSLAN (Hitit University, Çorum, Turkey)  
Dr. Ali Hussein ABDULKARIM (University of Kirkuk, Kirkuk, Iraq)  
Dr. Aseeb Mohammad SYED (Toronto, Ontario, Canada)  
Dr. Atilla BIYIKOĞLU (Gazi University, Ankara, Turkey)  
Dr. Akshat AGHA (South Carolina, USA)  
Dr. Barış ÖZLÜ (Aksaray University, Turkey)  
Dr. Burak ÖZTÜRK (Bilecik Seyh Edebali University, Turkey)  
Dr. Bülent Nafi ÖRNEK (Amasya University, Turkey)  
Dr. Cenk GEZEGİN (Ondokuz Mayıs University, Turkey)  
Dr. Fuat KARA (Düzce University, Turkey)  
Dr. Emre ÇALIŞAL (Amasya University, Amasya, Turkey)  
Dr. Erol ÖTEN (Amasya University, Amasya, Turkey)  
Dr. Fernando Domingues MOITA (University of Coimbra, Portugal)  
Dr. Francesco MARCHIONE (Università Politecnica delle Marche, Ancona, Italy)  
Dr. Juma KILWAKE (Kibabii University, Kenya)  
Dr. Juan Eduardo Nápoles VALDÉS (Universidad Nacional del Nordeste, Argentina)  
Dr. Luis Manuel Ferreira ROSEIRO (University of Coimbra, Portugal)  
Dr. Mahir AKGÜN (Aksaray University, Turkey)  
Dr. Mehmet Sabih AKSOY (King Saud University, Saudi Arabia)  
Dr. Mustafa Sami ATA (Amasya University, Turkey)  
Dr. Mustafa ÖZDEMİR (Sakarya University, Turkey)  
Dr. Halil Burak KAYBAL (Amasya University, Turkey)  
Dr. Halil ATMACA (Kocaeli Health and Technology University, Turkey)  
Dr. Hüseyin PEHLİVAN (Sakarya University, Turkey)  
Dr. Osman CİVAN (Akdeniz University, Antalya, Turkey)  
Dr. Özgen KORKMAZ (Amasya University, Turkey)  
Dr. Özgün GÜZDEMİR (Aydin Adnan Menderes University, Turkey)  
Dr. Ryan POON (California, United States)  
Dr. Raul Duarte Salgueiral Gomes Campilho (Polytechnic Institute of Porto, Porto, Portugal)  
Dr. Sevgi MARAKLI (Yildiz Technical University, Turkey)  
Dr. Valentin MATEEV (Technical University of Sofia, Bulgaria)  
Dr. Yavuz PİRHAN (Amasya University, Turkey)



## TABLE OF CONTENTS

Enhanced out-of-plane loading performance of multi-scale glass/epoxy composites doped with HNTs <i>Mahmut Öze , Hasan Ulus, Halil Burak Kaybal</i> <a href="https://doi.org/10.56158/jpte.2023.22.2.01">https://doi.org/10.56158/jpte.2023.22.2.01</a>	99-102
Analysis of Working Postures in Rubber Manufacturing Industry by using OWAS and RULA Methods <i>Merve Yılmaz</i> <a href="https://doi.org/10.56158/jpte.2023.39.2.01">https://doi.org/10.56158/jpte.2023.39.2.01</a>	103-112
The evolutionary relationships of microRNAs in the regulation of glucose and lipid metabolism in human and animals <i>Osman Sabri Kılıç, Sevgi Maraklı</i> <a href="https://doi.org/10.56158/jpte.2023.41.2.01">https://doi.org/10.56158/jpte.2023.41.2.01</a>	113-119
On the Measurement of Nakajima Testing Based Out-of-Plane Forming Limit Curves using 2D Digital Image Correlation <i>Akshat Agha, Fadi Abu-Farha</i> <a href="https://doi.org/10.56158/jpte.2023.42.2.01">https://doi.org/10.56158/jpte.2023.42.2.01</a>	120-127
Base Bleed Flow Control Tool for Circular Cylinders with 3 Side-By-Side Arrangements in Shallow Water <i>Mustafa Atakan Akar, Hüseyin Akilli</i> <a href="https://doi.org/10.56158/jpte.2023.44.2.01">https://doi.org/10.56158/jpte.2023.44.2.01</a>	128-134