
Sakarya University Journal of Science
Volume: 24 Issue: 4 August 2020
Editorial Boards

Editor-in-Chief

Davut Avcı, Pyhsics, Sakarya University (Turkey)

Editors

Alparslan Serhat Demir, Industrial Engineering, Sakarya University (Turkey)

Aysun Eğrisöğüt Tiryaki, Mechanical Engineering, Sakarya University (Turkey)

Ertan Bol, Civil Engineering, Sakarya University (Turkey)

Hüseyin Aksoy, Biology, Sakarya University (Turkey)

M. Hilmi Nişancı, Electrical and Electronics Engineering, Sakarya University (Turkey)

Mehmet İşleyen, Environmental Engineering, Bursa Technical University (Turkey)

Mehmet Nebioğlu, Chemistry, Sakarya University (Turkey)

Mehmet UYSAL, Metallurgical and Materials Engineering, Sakarya University (Turkey)

Mustafa Gülfen, Chemistry, Sakarya University (Turkey)

Muhammed Fatih Adak, Computer Engineering, Sakarya University (Turkey)

Murat Güzeltepe, Mathematics, Sakarya University (Turkey)

Nezaket Parlak, Mechanical Engineering, Sakarya University (Turkey)

Ömer Tamer, Physics, Sakarya University (Turkey)

Editorial Board

Aliye Suna Erses Yay, Environmental Engineering, Sakarya University (Turkey)

Aslı Uçar, Faculty of Health Sciences, Nutrition and dietetics, Ankara University (Turkey)

Aykut Astam, Physics, Erzincan Binali Yıldırım University (Turkey)

Burak Erkayman, Industrial Engineering, Atatürk University (Turkey)

Cansu Akbulut, Biology, Sakarya University (Turkey)

Caner Erden, Industrial Engineering, Sakarya University (Turkey)

Can Serkan Keskin, Chemistry, Sakarya University (Turkey)

Elif Büyük Öğüt, Mechanical and Metal Technologies, Kocaeli University (Turkey)

Emrah Bulut, Chemistry, Sakarya University (Turkey)

Emre Dil, Energy Systems Engineering, Beyket University (Turkey)

Emre Tabar, Physics, Sakarya University (Turkey)

Faruk Fırat Çalım, Civil Engineering, Alparslan Türkeş University (Turkey)

Gülner Arabacı, Chemistry, Sakarya University (Turkey)

İrfan Yazıcı, Electrical and Electronics Engineering, Sakarya University (Turkey)

İsmail Hakkı Demir, Architecture, Sakarya University (Turkey)
Latif Kelebekli, Chemistry, Ordu University (Turkey)
Mahmud Tokur, Metallurgical and Materials Engineering, Sakarya University (Turkey)
Mevlüt Sami Aköz, Civil Engineering, Çukurova University (Turkey)
Miraç Alaf, Metallurgical and Materials Engineering, Bilecik Şeyh Edebali University (Turkey)
Muhammed Maruf Öztürk, Computer Engineering, Süleyman Demirel University (Turkey)
Murat Sarduvan, Mathematics, Sakarya University (Turkey)
Murat Tuna, Chemistry, Sakarya University (Turkey)
Murat Utkucu, Geophysical Engineering , Sakarya University (Turkey)
Mustafa Akpınar, Software Engineering, Sakarya University (Turkey)
Nazan Deniz Yön Ertuğ, Biology, Sakarya University (Turkey)
Nükhet Sazak, Electrical and Electronics Engineering, Sakarya University (Turkey)
Osman Kırtel, Civil Engineering, Sakarya University of Applied Sciences (Turkey)
Özer Uygun, Industrial Engineering, Sakarya University (Turkey)
Öznur Özkan Kılıç, Mathematics, Başkent University (Turkey)
Rıfki Terzioğlu, Electrical and Electronics Engineering, Bolu Abant İzzet Baysal University, (Turkey)
Sibel Güneş, Mechanical Engineering, Erciyes University (Turkey)
Soley Ersoy, Mathematics, Sakarya University (Turkey)
Soydan Serttaş, Computer Engineering, Dumlupınar University (Turkey)
Tuğrul Çetinkaya, Metallurgical and Materials Engineering, Sakarya University (Turkey)
Turgay Şişman, Biology, Atatürk University (Turkey)

Guest Editor

Yıldız Şahin, Industrial Engineering, Kocaeli University (Turkey)

English Language Editor

Ömer Tamer, Physics, Sakarya University (Turkey)