



Environmental Research & Technology

<http://dergipark.gov.tr/ert>



ACADEMIC ADVISORY BOARD

Prof. Dr. Adem Basturk

Prof. Dr. Mustafa Ozturk

Prof. Dr. Lutfi Akca

Prof. Dr. Oktay Tabasaran

Prof. Dr. Ahmet Demir

SCIENTIFIC DIRECTOR

Prof. Dr. Ahmet Demir (Yildiz Technical University)

EDITOR IN CHIEF

Prof. Dr. Mehmet Sinan Bilgili (Yildiz Technical University)

ASSISTANT EDITOR

Dr. Hanife Sari Erkan (Yildiz Technical University)

CONTACT

Yildiz Technical University
Environmental Engineering Department, 34220 Esenler
Istanbul – Turkiye
Web: <http://dergipark.gov.tr/ert/>
E-mail: ert@yildiz.edu.tr



Environmental Research & Technology

<http://dergipark.gov.tr/ert>



Co-Editors (Air Pollution)

Prof. Dr. Arslan SARAL (Turkiye)
Prof. Dr. Mohd Talib LATIF (Malaysia)
Prof. Dr. Nedim VARDAR (Puerto Rico)
Prof. Dr. Sait Cemil SOFUOGLU (Turkiye)
Prof. Dr. Wina GRAUS (The Netherlands)

Co-Editors (Environmental Engineering and Sustainable Solutions)

Prof. Dr. Bulent Inanc (Turkiye)
Prof. Dr. Guleda ENGIN (Turkiye)
Prof. Dr. Hossein KAZEMIAN (Canada)
Prof. Dr. Raffaella POMI (Italy)
Prof. Dr. Yilmaz YILDIRIM (Turkiye)
Prof. Dr. Zenon HAMKALO (Ukraine)

Co-Editors (Waste Management)

Prof. Dr. Bestami OZKAYA (Turkiye)
Prof. Dr. Bulent TOPKAYA (Turkiye)
Prof. Dr. Kahraman UNLU (Turkiye)
Prof. Dr. Mohamed OSMANI (United Kingdom)
Prof. Dr. Pin Jing HE (China)

Co-Editors (Water and Wastewater Management)

Prof. Dr. Ayse FILIBELI (Turkiye)
Prof. Dr. Baris CALLI (Turkiye)
Prof. Dr. Marina PRISCIANDARO (Italy)
Prof. Dr. Selvam KALIYAMOORTHY (Japan)
Prof. Dr. Subramanyan VASUDEVAN (India)



Editorial Board

- | | |
|--|--|
| Prof. Dr. Andjelka MIHAJLOV (Serbia) | Prof. Dr. Artur J. BADYDA (Poland) |
| Prof. Dr. Aysegul PALA (Turkiye) | Prof. Dr. Aysen ERDINCILER (Turkiye) |
| Prof. Dr. Azize AYOL (Turkiye) | Prof. Dr. Bulent KESKINLER (Turkiye) |
| Prof. Dr. Didem OZCIMEN (Turkiye) | Prof. Dr. Erwin BINNER (Austria) |
| Prof. Dr. Eyup DEBIK (Turkiye) | Prof. Dr. F. Dilek SANIN (Turkiye) |
| Prof. Dr. Gulsum YILMAZ (Turkiye) | Prof. Dr. Hamdy SEIF (Lebanon) |
| Prof. Dr. Hanife BUYUKGUNGOR (Turkiye) | Prof. Dr. Ilirjan MALOLLARI (Albania) |
| Prof. Dr. Ismail KOYUNCU (Turkiye) | Prof. Dr. Jaakko PUHAKKA (Finland) |
| Prof. Dr. Lucas Alados ARBOLEDAS (Spain) | Prof. Dr. Mahmoud A. ALAWI (Jordan) |
| Prof. Dr. Marcelo Antunes NOLASCO (Brazil) | Prof. Dr. Martin KRANERT (Germany) |
| Prof. Dr. Mehmet Emin AYDIN (Turkiye) | Prof. Dr. Mesut AKGUN (Turkiye) |
| Prof. Dr. Mukand S. BABEL (Thailand) | Prof. Dr. Mustafa ODABASI (Turkiye) |
| Prof. Dr. Mufide BANAR (Turkiye) | Prof. Dr. Mufit BAHADIR (Germany) |
| Prof. Dr. Nihal BEKTAŞ (Turkiye) | Prof. Dr. Nurdan Gamze TURAN (Turkiye) |
| Prof. Dr. Osman ARIKAN (Turkiye) | Prof. Dr. Osman Nuri AGDAG (Turkiye) |
| Prof. Dr. Omer AKGIRAY (Turkiye) | Prof. Dr. Ozer CINAR (Turkiye) |
| Prof. Dr. Pier Paolo MANCA (Italy) | Prof. Dr. Recep BONCUKCUOGLU (Turkiye) |
| Prof. Dr. Saim OZDEMIR (Turkiye) | Prof. Dr. Sameer AFIFI (Palestine) |
| Prof. Dr. Serdar AYDIN (Turkiye) | Prof. Dr. Timothy O. RANDHIR (U.S.A.) |
| Prof. Dr. Ulku YETIS (Turkiye) | Prof. Dr. Victor ALCARAZ GONZALEZ (Mexico) |
| Prof. Dr. Yaşar NUHOGLU (Turkiye) | |



TABLE OF CONTENTS

<i>Title</i>	<i>Pages</i>
Research Articles	
Assessment of physicochemical characteristics of groundwater collected from different taluks, Dindigul district, Tamilnadu, India DOI: https://doi.org/10.35208/ert.658910 <i>Chellaiah Edward Raja</i>	1-7
Phenol removal from synthetic wastewater with powdered activated carbon: Isotherms, kinetics and thermodynamics DOI: https://doi.org/10.35208/ert.692302 <i>Elanur Adar, Ipeknur Atay, Kubilay Gokboru Buncu, Mehmet Sinan Bilgili</i>	8-14
The optimization of growth parameters in a anodic chamber of a microbial fuel cell DOI: https://doi.org/10.35208/ert.684984 <i>Tuba Artan Onat, Ozge Cetin</i>	15-19
An investigation on the application of CaII-FeII-FeIII magnetic hydrotalcite-like-compounds for the removal of impurities in aqueous systems DOI: https://doi.org/10.35208/ert.698720 <i>Guleda Onkal Engin, Hanife Sari Erkan, David A. White</i>	20-27
Review Article	
The overview of mechanical properties of short natural fiber reinforced geopolymer composites DOI: https://doi.org/10.35208/ert.650398 <i>Kinga Korniejenko, Michał Łach, Neslihan Dogan Saglamtimur, Gabriel Furtos, Janusz Mikuła</i>	28-39