



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



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. Aysegul PALA (Turkiye)

Prof. Dr. Azize AYOL (Turkiye)

Prof. Dr. Didem OZCIMEN (Turkiye)

Prof. Dr. Eyup DEBIK (Turkiye)

Prof. Dr. Gulsum YILMAZ (Turkiye)

Prof. Dr. Hanife BUYUKGUNGOR (Turkiye)

Prof. Dr. Ismail KOYUNCU (Turkiye)

Prof. Dr. Lucas Alados ARBOLEDAS (Spain)

Prof. Dr. Marcelo Antunes NOLASCO (Brazil)

Prof. Dr. Mehmet Emin AYDIN (Turkiye)

Prof. Dr. Mukand S. BABEL (Thailand)

Prof. Dr. Mufide BANAR (Turkiye)

Prof. Dr. Nihal BEKTAŞ (Turkiye)

Prof. Dr. Osman ARIKAN (Turkiye)

Prof. Dr. Omer AKGIRAY (Turkiye)

Prof. Dr. Pier Paolo MANCA (Italy)

Prof. Dr. Saim OZDEMIR (Turkiye)

Prof. Dr. Serdar AYDIN (Turkiye)

Prof. Dr. Ulku YETIS (Turkiye)

Prof. Dr. Yaşar NUHOGLU (Turkiye)

Prof. Dr. Artur J. BADYDA (Poland)

Prof. Dr. Aysen ERDINCILER (Turkiye)

Prof. Dr. Bulent KESKINLER (Turkiye)

Prof. Dr. Erwin BINNER (Austria)

Prof. Dr. F. Dilek SANIN (Turkiye)

Prof. Dr. Hamdy SEIF (Lebanon)

Prof. Dr. Ilirjan MALOLLARI (Albania)

Prof. Dr. Jaakko PUHAKKA (Finland)

Prof. Dr. Mahmoud A. ALAWI (Jordan)

Prof. Dr. Martin KRANERT (Germany)

Prof. Dr. Mesut AKGUN (Turkiye)

Prof. Dr. Mustafa ODABASI (Turkiye)

Prof. Dr. Mufit BAHADIR (Germany)

Prof. Dr. Nurdan Gamze TURAN (Turkiye)

Prof. Dr. Osman Nuri AGDAG (Turkiye)

Prof. Dr. Ozer CINAR (Turkiye)

Prof. Dr. Recep BONCUKCUOGLU (Turkiye)

Prof. Dr. Sameer AFIFI (Palestine)

Prof. Dr. Timothy O. RANDHIR (U.S.A.)

Prof. Dr. Victor ALCARAZ GONZALEZ (Mexico)

**TABLE OF CONTENTS**

Title	Pages
Research Articles	
Waste characterization in Istanbul and a proposal for biodegradable solid waste management DOI: https://doi.org/10.35208/ert.690825 <i>Hacer Ak, Kadir Sezer</i>	40-45
Synthesis of copper particles and elimination of cupric ions by chemical reduction DOI: https://doi.org/10.35208/ert.717086 <i>Esma Mahfouf, Souad Djerad, Raouf Bouchareb</i>	46-49
Construction waste management practices on-sites: A case study of Istanbul city DOI: https://doi.org/10.35208/ert.723002 <i>Havva Aksel, İkbal Cetiner</i>	50-63
Comparative analysis of nutrients composition in biochar produced from different feedstocks at varying pyrolysis temperature DOI: https://doi.org/10.35208/ert.747833 <i>Ifeoluwa F. Omotade, Samuel O. Momoh, Bolaji P. Oluwafemi, Ebenezer A. Agboola</i>	64-70
Investigation of the use of photovoltaic solar water pump by occupants of residential buildings in Ile-Ife, Nigeria DOI: https://doi.org/10.35208/ert.737574 <i>Akeem Bolaji Wahab, Olamiposi Joy Oni</i>	71-80
Review Article	
A review on promising strategy to decrease sludge production: Oxidation-settling-anoxic/anaerobic process DOI: https://doi.org/10.35208/ert.701418 <i>Agne Karlikanovaite-Balikçi, Nevin Yağci</i>	81-91
Book Review	
Resilient Water Services and Systems: The Foundation of Well-Being by Petri Juuti, Harri Mattila, Riikka Rajala, Klaas Schwartz, Chad Staddon, (Eds.), 2019 ISBN 978-952-6697-26-0 DOI: https://doi.org/10.35208/ert.752774 <i>Kenneth M. Persson</i>	92-93