



Environmental Research & Technology

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



ACADEMIC ADVISORY BOARD

Prof. Dr. Adem Basturk (Yildiz Technical University)

Prof. Dr. Mustafa Ozturk (Yildiz Technical University)

Prof. Dr. Lutfi Akca (Istanbul Technical University)

Prof. Dr. Oktay Tabasaran (Stuttgart University)

Prof. Dr. Ahmet Demir (Yildiz Technical University)

SCIENTIFIC DIRECTOR

Prof. Dr. Ahmet Demir (Yildiz Technical University)

EDITOR IN CHIEF

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

ASSISTANT EDITOR

Assoc. Prof. 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 (Yildiz Technical University, Turkiye)
Prof. Dr. Mohd Talib LATIF (Universiti Kebangsaan, Malaysia)
Prof. Dr. Nedim VARDAR (Interamerican University of Puerto Rico, Puerto Rico)
Prof. Dr. Sait Cemil SOFUOGLU (Izmir Institute of Technology, Turkiye)
Prof. Dr. Wina GRAUS (Utrecht University, The Netherlands)

Co-Editors (Environmental Engineering and Sustainable Solutions)

Prof. Dr. Bulent Inanc (Istanbul Technical University, Turkiye)
Prof. Dr. Guleda ENGIN (Yildiz Technical University, Turkiye)
Prof. Dr. Hossein KAZEMIAN (The University of Northern British Columbia, Canada)
Prof. Dr. Raffaella POMI (Sapienza University of Rome, Italy)
Prof. Dr. Yilmaz YILDIRIM (Bulent Ecevit University, Turkiye)
Prof. Dr. Zenon HAMKALO (Ivan Franko National University of Lviv, Ukraine)

Co-Editors (Waste Management)

Prof. Dr. Bestami OZKAYA (Yildiz Technical University, Turkiye)
Prof. Dr. Bulent TOPKAYA (Akdeniz University, Turkiye)
Prof. Dr. Kahraman UNLU (Middle East Technical University, Turkiye)
Prof. Dr. Mohamed OSMANI (Loughborough University, United Kingdom)
Prof. Dr. Pin Jing HE (Tongji University, China)

Co-Editors (Water and Wastewater Management)

Prof. Dr. Ayse FILIBELI (Dokuz Eylul University, Turkiye)
Prof. Dr. Baris CALLI (Marmara University, Turkiye)
Prof. Dr. Marina PRISCIANDARO (University of L'Aquila, Italy)
Prof. Dr. Selvam KALIYAMOORTHY (Nagoya University, Japan)
Prof. Dr. Subramanyan VASUDEVAN (Central electrochemical Research Institute, India)



Editorial Board

Prof. Dr. Andjelka MIHAJLOV (University of Novi Sad, Serbia)

Prof. Dr. Aysegul PALA (Dokuz Eylul University, Turkiye)

Prof. Dr. Azize AYOL (Dokuz Eylul University, Turkiye)

Prof. Dr. Didem OZCIMEN (Yildiz Technical University, Turkiye)

Prof. Dr. Eyup DEBIK (Yildiz Technical University, Turkiye)

Prof. Dr. Gulsum YILMAZ (Istanbul Universtiy Cerrahpasa, Turkiye)

Prof. Dr. Hanife BUYUKGUNGOR (Ondokuz Mayıs University, Turkiye)

Prof. Dr. Ismail KOYUNCU (Istanbul Technical University, Turkiye)

Prof. Dr. Lucas Alados ARBOLEDAS (University of Granada, Spain)

Prof. Dr. Marcelo Antunes NOLASCO (University of São Paulo, Brazil)

Prof. Dr. Mehmet Emin AYDIN (Necmettin Erbakan University, Turkiye)

Prof. Dr. Mukand S. BABEL (Asian Institute of Technology, Thailand)

Prof. Dr. Mufide BANAR (Eskisehir Technical University, Turkiye)

Prof. Dr. Nihal BEKTAŞ (Gebze Technical University, Turkiye)

Prof. Dr. Osman ARIKAN (Istanbul Technical University, Turkiye)

Prof. Dr. Omer AKGIRAY (Marmara University, Turkiye)

Prof. Dr. Pier Paolo MANCA (University of Cagliari, Italy)

Prof. Dr. Saim OZDEMIR (Sakarya University, Turkiye)

Prof. Dr. Serdar AYDIN (Istanbul Universtiy Cerrahpasa, Turkiye)

Prof. Dr. Ulku YETIS (Middle East Technical University, Turkiye)

Prof. Dr. Yaşar NUHOGLU (Yildiz Technical University, Turkiye)



Environmental Research & Technology

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



Prof. Dr. Artur J. BADA (Warsaw University of Technology, Poland)

Prof. Dr. Aysen ERDINCER (Bogazici University, Turkiye)

Prof. Dr. Bulent KESKINLER (Gebze Technical University, Turkiye)

Prof. Dr. Erwin BINNER (University of Natural Resources and Life Science, Austria)

Prof. Dr. F. Dilek SANIN (Middle East Technical University, Turkiye)

Prof. Dr. Hamdy SEIF (Alexandria University, Egypt)

Prof. Dr. Ilirjan MALOLLARI (University of Tirana, Albania)

Prof. Dr. Jaakko PUHAKKA (Tampere University Finland)

Prof. Dr. Mahmoud A. ALAWI (University of Jordan, Jordan)

Prof. Dr. Martin KRANERT (University of Stuttgart, Germany)

Prof. Dr. Mesut AKGUN (Yildiz Technical University, Turkiye)

Prof. Dr. Mustafa ODABASI (Dokuz Eylul University, Turkiye)

Prof. Dr. Mufit BAHADIR (Technische Universität Braunschweig, Germany)

Prof. Dr. Nurdan Gamze TURAN (Ondokuz Mayıs University, Turkiye)

Prof. Dr. Osman Nuri AGDAG (Pamukkale University, Turkiye)

Prof. Dr. Ozer CINAR (Yildiz Technical University, Turkiye)

Prof. Dr. Recep BONCUKCUOGLU (Istanbul University Cerrahpasa, Turkiye)

Prof. Dr. Sameer AFIFI (Islamic University of Gaza, Palestine)

Prof. Dr. Timothy O. RANDHIR (University of Massachusetts Amherst, U.S.A.)

Prof. Dr. Victor ALCARAZ GONZALEZ (University of Guadalajara, Mexico)



Environmental Research & Technology

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



TABLE OF CONTENTS

<i>Title</i>	<i>Pages</i>
Research Articles	
Treatment of dye-producing chemical industry wastewater by persulfate advanced oxidation DOI: https://doi.org/10.35208/ert.771190 <i>Deniz İzlen Cifci, Elçin Güneş, Yalçın Güneş</i>	149-156
Experimental evaluation of compressibility parameters of lime and silica fume stabilized dredged soil DOI: https://doi.org/10.35208/ert.782042 <i>Inci Develioglu, Hasan Fırat Pulat</i>	157-165
Preparation of coal-derived magnetic carbon material for magnetic solid-phase extraction of fungicides from water samples DOI: https://doi.org/10.35208/ert.788913 <i>Gizem Tarhan, Elif Yıldız, Atakan Toprak, Hasan Çabuk</i>	166-174
Evaluation of electrochemical treatment of real hospital wastewater with different electrode materials DOI: https://doi.org/10.35208/ert.785556 <i>Gülizar Kurtoğlu Akkaya</i>	175-181
The biosynthesis of silver nanoparticles with fungal cytoplasmic fluid obtained from <i>Phanerochaete chrysosporium</i> ME446 DOI: https://doi.org/10.35208/ert.788891 <i>Fatma Deniz, Mehmet Ali Mazmanlı</i>	187-192
Assessment of ship emissions through cold ironing method for Iskenderun Port of Turkey DOI: https://doi.org/10.35208/ert.794595 <i>Alper Kılıç, Mustafa Yolcu, Fuat Kılıç, Levent Bilgili</i>	193-201
Ecologically friendly production of copper powder and elimination of cupric ions from aqueous solutions using D-Glucose and ascorbic acid DOI: https://doi.org/10.35208/ert.802170 <i>Esmâ Mahfouf, Souad Djerad, Raouf Bouchareb</i>	202-208
Characterization of pistachio processing industry wastewater and investigation of chemical pretreatment DOI: https://doi.org/10.35208/ert.800721 <i>Sevtap Tırınk, Alper Nuhoglu, Sinan Kul</i>	209-216

Assessment of toxic and essential metals in fish feed ingredients available in different areas of Bangladesh 217-224

DOI: <https://doi.org/10.35208/ert.838481>

Biraj Saha, Md. Abdul Mottalib, A. N. M. Al-Razee

Spatiotemporal modeling of nutrient retention in a tropical semi-arid basin 225-237

DOI: <https://doi.org/10.35208/ert.782409>

Saheed Adekunle Raji, Shakirudeen Odunuga, Mayowa Fasona

Review Article

Bio-electroactive fuel cells and their applications 182-186

DOI: <https://doi.org/10.35208/ert.788183>

Afşin Çetinkaya, Sadullah Levent Kuzu, Ahmet Demir
