Zeynep Yücesoy Özkan

Marmara University, School of Engineering,

Department of Environmental Engineering Goztepe, Kadıkoy

34722 - ISTANBUL/TURKIYE

E-mail: zeynep.yucesoy@marmara.edu.tr

EDUCATION

PhD: Marmara University- Environmental Engineering (2013-)

MS: Haran University- Environmental Engineering (2009-2011)

BS: Antalya University- Environmental Engineering (2003-2008)

High School: Özel Ortadoğu Koleji (1999-2002)

ACADEMIC EMPLOYMENT

- Research and Teaching Assistant : Marmara University (2013-)
- Research Assistant: Bitlis Eren University (2011-2013)

RESEARCH INTERESTS

- Nanotechnology
- Green Chemistry
- NZVI
- Waste water treatment Technologies

PUBLICATIONS

1. **Zeynep Yücesoy Özkan**, Mücahit Çakırgöz, Elif Sıla Kaymak, Esra Erdim (2017). Rapid Decolorization of Textile Wastewater by Green Synthesized Iron Nanoparticles, Water Science and Technology, DOI: 10.2166/wst.2017.559

2. Biotreatment of acidic zinc- and copper-containing wastewater using ethanol-fed sulfidogenic anaerobic baffled reactor Sahinkaya E., **Yucesoy Z.**, 2010, Bioprocess Biosyst Eng DOI 10.1007\ s00449-010-0423-9
3. Sahinkaya E., Gungor M., Bayrakdar A., **Yucesoy Z.**, Uyanik S., Separate Recovery of Copper and Zinc from Acid Mine Drainage Using Biogenic Sulfide Produced in Anaerobic Baffled Reactor (ABR). Journal of Hazardous Materials, 2009, 901-906

Conference Proceedings

1. Esra Erdim, **Zeynep Yücesoy Özkan**, Halil Kurt, Nergis Dilsizoğlu, Semra Çetin, Fatmanur Şanlı, Bilge Alpaslan Kocamemi (2017). Enhancement of Anaerobic Ammonium Oxidation (Anammox) Process: The use of one-pot synthesized nanoscale zero-valent iron (nZVI)), WEFTEC 2017, September 30 – October 4, Chicago, USA
2. **Z.Y. Ozkan**, M. Cakirgoz, E.S. Kaymak and E. Erdim (2017). Rapid Decolorization of Textile Wastewater by Green Synthesized Iron Nanoparticles, 9th IWA YWP, 24-27 May, Budapest, HUNGARY
3. Haciosmanoglu, G.G., **Ozkan, Z.Y.**, Soyer, E., Genc, S., Can, Z.S. and Erdim, E. (2017). Removal of Industrial Xenoestrogens by Using Zero Valent Iron Nanoparticles, 2nd *International Conference on Civil and Environmental Engineering (ICOCEE Cappadocia-2017), May 8 – 10, Nevşehir, TURKIYE*
4. **Ozkan, Z.Y.**, Terzi, M., Sagirkaya, F. and Erdim, E. (2017). Biosynthesized Iron Nanoparticle Mediated Degradation of Industrial Wastewater, 2nd *International Conference on Civil and Environmental Engineering (ICOCEE Cappadocia-2017), May 8 – 10, Nevşehir, TURKIYE*
5. Sahinkaya E., Gungor M., Bayrakdar A., **Yucesoy Z.**, Uyanik S. ve Yesilnacar M.I., A Model Based Optimization Study with OLI Stream Analyzer for Separate Metal Recovery from Acid Mine Drainage. AMIREG 2009-Towards sustainable development: Assessing the footprint of resource utilization and hazardous waste management, Atina, Yunanistan, 2009.

Conference Proceedings (National)

1. Bayrakdar A.,**Yücesoy Z**., Bekmezci O.K. ve Şahinkaya E., Madencilik Sektöründe Oluşan Asidik Maden Sızıntı Sularının Yönetimi ve Ağır Metal Geri Kazanımı. Ulusal Çevre Mühendisliği Kongresi, Samsun, 2011.

2. Şahinkaya E, **Yücesoy Z.**, Güngör M., "Cu ve Zn İçeren Asidik Maden Sızıntı Sularının Sülfat İndirgeyen Bakteriler ile Arıtılması " İTÜ, 12. Endüstriyel Kirlenme Kontrolü Sempozyumu, İstanbul, 2010.
3. Sahinkaya, E., Bayrakdar A., Gungor M., **Yücesoy Z.**, Uyanik S., Yesilnacar M.I. ve Atasoy D., Asidik Maden Sızıntı Sularının (AMS) oluşumu, Aktif Arıtım Sistemleri ve Metal Geri Kazanımı. 3. Çevre ve Madencilik Sempozyumu, Ankara, 2009.

PROJECTS (National)

1. Treatment of Acidic Mine Drainage (AMD) by Sulfate Reducing Bacteria and Metal Recovery. Scholar, 2009-2010, Scientific & Technological Research Council of Turkey, TUBITAK project No:108Y036.
2. 'Removal of nonylphenol and octylphenol by zero valent iron nanoparticles (nZVI) and nZVI/fullerene nanocomposite. Scholar, 2015-2016, Scientific & Technological Research Council of Turkey, TUBITAK project No : 114Y431.
3. Karasudan polifenol geri kazanımı ile demir nanoparçacık sentezi ve polifenol konsantrasyonunun nanoparçacık sentezi üzerine etkisinin araştırırlması. Researcher, (2017-), Marmara University Scientific Research Committee, BAPKO Project No: FEN-C- 120917-0553.

Teaching Asistant Courses:

CHEM 101 General Chemistry I

CHEM 102 General Chemistry II

CSE 123 Introduction to Computing

ENVE 201 Environmental Engineering Chemistry I

ENVE 202 Environmental Engineering Chemistry II

ENVE 204 Engineering Hydraulics

MATH 259 Numerical Methods

ENVE 262 Basic Fluid Mechanics

ENVE 311 Water Supply

ENVE 401 Physical Chemical Processes

ENVE 411 Water Engineering Design

ENVE 422 Wastewater Engineering Design

ENVE 497 Engineering Project I

ENVE 498 Engineering Project II

Educational Meetings (National and International)

- Minitab 17, DOE Module Education, GEMBA Academy, 20-21 May, 2017, İstanbul, Turkey.
- Malvern, Zeta-Sizer Cihaz Eğitimi, Ocak 2016, Marmara Çevre Mühendisliği Bölümü, İSTANBUL
- GC-Sievers, TOC Cihazı Eğitimi Ocak 2016, Marmara Çevre Mühendisliği Bölümü, İSTANBUL