

Hale Özgün
Research Assistant in Environmental Engineering

Istanbul Technical University
Civil Engineering Faculty
Environmental Engineering Department
Maslak, 34469, Istanbul, TURKEY
Tel. +90 212 2856627
E-mail: ozgunha@itu.edu.tr
Personal Web Pages [http:// akademi.itu.edu.tr/ozgunha/](http://akademi.itu.edu.tr/ozgunha/)



Expertise

Hale Özgün is a Joint PhD student of Delft University of Technology (TUDelft) and Istanbul Technical University (ITU). At the same time, she is working as a research assistant in Environmental Engineering Department of ITU. In 2004, she graduated as an environmental engineer from the Environmental Engineering Department of ITU Civil Engineering Faculty holding the first rank both in the department and faculty. In 2005, she graduated as an industrial engineer from the Industrial Engineering Department of ITU. She received her MSc degree from ITU, Environmental Sciences and Engineering Program in 2007 and started her PhD study in 2007 in ITU. In November 2010, she also has joined the TUDelft, Sanitary Engineering Section as a PhD researcher to conduct her PhD studies on anaerobic membrane bioreactors under the supervision of Prof. Jules B. van Lier. Her main research areas are membrane processes, anaerobic biotechnology, wastewater and water treatment technologies, industrial pollution control and environmental economics. She took several roles in research projects and assisted courses including wastewater treatment, water treatment and environmental economics.

Key Papers related to the COST action

1. Kayaalp, N., Ersahin, M. E., **Ozgun, H.**, Koyuncu, I., Kinaci, C. (2010). A new approach for chemical oxygen demand (COD) measurement at high salinity and low organic matter samples, *Environmental Science and Pollution Research*, 17(9), 1547–1552.
2. Dereli, R. K., Ersahin, M. E., **Ozgun, H.**, Ozturk, I., Aydin, A. F. (2010). Applicability of Anaerobic Digestion Model No. 1 (ADM1) for a specific industrial wastewater: Opium alkaloid effluents, *Chemical Engineering Journal*, 165(1), 89–94.
3. Ersahin, M. E., **Ozgun, H.**, Dereli, R. K., Ozturk, I., Roest, K., van Lier, J. B. (2012). A review on dynamic membrane filtration: Materials, applications and future perspectives, *Bioresource Technology*, 122, 196-206.
4. Dereli, R. K., Ersahin, M. E., **Ozgun, H.**, Ozturk, I., Jeison, D., van der Zee, F., van Lier, J. B. (2012). Potentials of anaerobic membrane bioreactors to overcome treatment limitations induced by industrial wastewaters, *Bioresource Technology*, 122, 160-170.
5. **Ozgun, H.**, Dereli, R. K., Ersahin, M. E., Kinaci, C., Spanjers, H., van Lier, J. B. (2013). A review of anaerobic membrane bioreactors for municipal wastewater: Integration options, limitations and expectations, *Separation and Purification Technology*, 118, 89-104.
6. **Ozgun, H.**, Ersahin, M. E., Tao, Y., Spanjers, H., van Lier, J. B. (2013). Effect of upflow velocity on the effluent membrane fouling potential in membrane coupled upflow anaerobic sludge blanket reactors, *Bioresource Technology*, 147, 285-292.
7. Ersahin, M. E., **Ozgun, H.**, van Lier, J. B. (2013). Effect of support material properties on dynamic membrane filtration performance, *Separation Science and Technology*, 48(15), 2263-2269.
8. **Ozgun, H.**, Ersahin, M. E., Erdem, S., Atay, B., Sayılı, S., Eren, E., Atay, P., Hoshan, D., Altınbaş, M., Kinaci, C., Koyuncu, I. (2013). Comparative Evaluation for Characterization of Produced Water Generated from Oil, Gas and Oil-Gas Production Fields, *Clean-Soil, Air, Water*, 41(12), 1175-1182.
9. Ersahin, M. E., **Ozgun, H.**, Tao, Y., van Lier, J. B. (2014). Applicability of dynamic membrane technology in anaerobic membrane bioreactors *Water Research*, 48, 420-429.