

HATİCE YEŞİL



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EDUCATION

2007 – 2011 BSc

Marmara University, Engineering Faculty, Environmental Engineering Department, Istanbul, Turkey.

2011 – 2013 MSc

Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Environmental Engineering Department, Istanbul, Turkey.

2013 – PhD

Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Environmental Engineering Department, Istanbul, Turkey.

ACADEMIC EXPERIENCE

2013 – Research Assistant

Marmara University, Engineering Faculty, Environmental Engineering Department, Environmental Sciences Department, Istanbul, Turkey.

RESEARCH INTEREST

- Biological treatment of industrial and municipal wastewaters
- Anaerobic treatment of solid waste
- Design of treatment and disposal plants (water, wastewater, solid waste, etc.)
- Membrane technology in anaerobic treatment

COURSES ASSISTED

ENVE 201	Environmental Engineering Chemistry I
ENVE 202	Environmental Engineering Chemistry II
ENVE 262	Basic Fluid Mechanics
ENVE 204	Engineering Hydraulics
ENVE 301	Environmental Engineering Unit Operations
ENVE 302	Environmental Engineering Unit Processes
ENVE 311	Water Supply
ENVE 497	Engineering Project I
ENVE 498	Engineering Project II

AWARDS AND SCHOLARSHIPS

2007 Kandilli Girls Anatolian High School (graduated as valedictorian)

2011 Marmara University, Environmental Engineering Department (graduated as valedictorian)

2011 - 2013 Voluntary education scholarship for two years (10/2011 – 09/2013) within the framework of 2210 National Scholarship Programme for MSc Students from TÜBİTAK (The Scientific and Technological Research Council of Turkey), BİDEB (Scientist Supporting Department Presidency).

2013 - 2017 Voluntary education scholarship for four years (10/2013 – 09/2017) within the framework of 2211-E Direct National Scholarship Programme for PhD Students from TÜBİTAK (The Scientific and Technological Research Council of Turkey), BİDEB (Scientist Supporting Department Presidency).

DISSERTATIONS

Hatice YESIL “Start-up of a Sharon Reactor for the Treatment of Kömürçüoda Leachate” BSc Thesis, Marmara University, Environmental Engineering Department, 2011. Supervisor: Asst. Prof. Dr. Kozet YAPSAKLI.

Hatice YESIL “Anaerobic Fermentation of Organic Solid Wastes: Volatile Fatty Acid Production and Separation” MSc Thesis, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Environmental Engineering Department, 2013. Supervisor: Asst. Prof. Dr. A. Evren TUGTAS.

RESEARCH PROJECTS

Organik Katı Atığın Anaerobik Fermentasyonu ile Üretilen Uçucu Yağ Asitlerinin Membran Kontaktör ile Sıvı Fazdan Ayrılması, Marmara University Scientific Research Project Commission, Project No: FEN-A-100413-0126, Researcher, 04/2013 – 04/2015.

PUBLICATIONS

JOURNAL PAPERS (SCI Indexed)

Yesil, H., Tugtas, A.E., Bayrakdar, A., and Calli, B. (2014) Anaerobic fermentation of organic solid wastes: volatile fatty acid production and separation. *Water Science and Technology*, 69(10), 2132-2138.

Yesil, H. and Tugtas, A.E. (2014) Separation of volatile fatty acids from leachate via TOA impregnated liquid membranes. (*in review*)

CONFERENCE PROCEEDINGS / PRESENTATIONS (INTERNATIONAL)

Yesil, H., Tugtas, A.E., Bayrakdar, A., and Calli, B. “Anaerobic fermentation of organic solid wastes: volatile fatty acid production and separation”, 13th World Congress on Anaerobic Digestion, Santiago de Compostela, Spain, June 25-28, 2013.

Yesil, H. and Tugtas, A.E. “Separation of volatile fatty acids from leachate via TOA impregnated liquid membranes”, Eurasia 2014 Waste Management Symposium, Istanbul, Turkey, April 28-30, 2014.

PROJECT COMPETITION (NATIONAL)

Yesil, H. and Taner, H. “Fermentasyon Sistemlerinde Uçucu Yağ Asidi Ayrımı için Membran Üretimi”, XII. Ne Üretelim? Etkinlikleri ve Proje Yarışması, Izmir, Turkey, September 11-12, 2014.