

## Personal Information

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## Biography

Gülay Arslan is a research assistant at Marmara University Environmental Engineering Department in Istanbul, Turkey. She received her Bachelor's degree in Environmental Engineering from Istanbul University in 2012. She completed her M.S. degree in Environmental Engineering from Marmara University in 2016. As of November 16, She is a visiting scholar at Duke University and she is currently a Ph.D. candidate in the Department of Environmental Engineering at Marmara University, Turkey. Her current research interests include membrane processes, ion exchange, adsorption.

## Education Information

Doctorate, Marmara University, Faculty of Engineering, Environmental Engineering, Turkey 2016 - Continues

Post Graduate, Marmara University, Faculty of Engineering, Environmental Engineering, Turkey 2013 - 2016

Under Graduate, İstanbul Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, Turkey 2008 - 2012

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Post Graduate, Ammonium Ion Removal In Segregated Fluidized Beds: Effects of Flow Rate and Number of Segregated Layers, Marmara Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2016

## Research Areas

Environmental Engineering, Water Pollution and Control, Water Supply and Treatment

## Academic Titles / Tasks

Research Assistant, Marmara University, Faculty of Engineering, Environmental Engineering, 2012 - Continues

## Refereed Congress / Symposium Publications in Proceedings

- **Ion Exchange Assisted Membrane Filtration using Clinoptilolite Powders.**  
ARSLAN G., SOYER E.  
International Porous and Powder Materials Symposium and Exhibition.PPM2015, 15 - 18 September 2018
- **Preparation of Calcium Carbonate Nanoparticles: Adsorption and Desorption Behaviour of Organic Matter**  
Zolfagharian P., ARSLAN G., YİĞİT HUNCE S., SOYER E.

3rd EWaS International Conference on "Insights on Water-Energy-Food-Nexus", Greece, 27 - 30 June 2018, vol.2, pp.655

- **Removal of Dissolved Organics from Water: Effect of Calcium Carbonate Particles on Membrane Fouling. 10th Eastern European Young Water Professionals Conference**

Arslan G., Soyer E., Zolfagharian P., Yiğit Hünce S.

10th Eastern European Young Water Professionals Conference, Zagreb, Croatia, 7 - 12 May 2018, pp.187-188

- **Ammonium Ion Exchange in Fluidized Bed Reactors: Effects of Expansion Ratio and Layer Composition**  
ARSLAN G., SOYER E.

9th Eastern European Young Water Professionals Conference, Budapest, Hungary, 23 - 27 May 2017