

# SEMINAR ANNOUNCEMENT

## MARMARA UNIVERSITY

### ENVIRONMENTAL ENGINEERING DEPARTMENT

## Habibullah Uzun, PhD

Dr. Habibullah Uzun studied Environmental Engineering at Michigan State University, and earned his Master of Science degree in 2010. Then, he joined Clemson University as a research assistant for Ph.D. studies in August 2010. Dr. Uzun earned his degree from Environmental Engineering and Earth Science in 2016, specializing in control of N-nitrosodimethylamine (NDMA) during water treatment operations/processes. His Ph.D. studies were funded by American Water Work Association (AWWA) (2012-2016).



He completed postdoctoral work at Clemson University on the control of disinfection by-products (DBPs) generated from flooded water in 2017. The project was funded by National Science Foundation (NSF) (2016-2017). Concurrently, he studied in another project focusing on understanding the effect of wild- or prescribed fire on: i) water quality, ii) structure of natural organic matter (NOM), and iii) DBPs in source waters. The project was funded by United States Environmental Protection Agency (USEPA) and is still under way (2015-2018).

### Control of NDMA during Water Treatment, Some Findings from Major Flooding and Fire Studies

His presentation will summarize selected findings from his doctoral and postdoctoral works. Initially, removal of NDMA precursors during water treatment will be discussed. Then, findings from flooding study focusing on the flooding mobilized NOM from forested wetlands and their removals during water treatment will be summarized. Finally, findings from fire study focusing on the development of adaptive management strategies and innovative, cost-effective technologies to reduce the risks of forest fires and their impact on the source water quality, mainly the concentrations and characteristics of DOM and the formation of regulated and DBPs will be discussed.



**Monday, Sep 18, 2017 • 14:00-15:00**

**Engineering Building - B, Conference Room #MB144**