

# Abdollah Karami

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## Research Interests

Wastewater treatment and reuse, specifically, potential technologies for harnessing energy from wastewater.

Synthesis of metal organic frameworks and their applications in adsorption and separation, with an emphasis on micropollutants removal from wastewater.

## Education

**American University of Sharjah (AUS) – Sharjah, United Arab Emirates (2007 – 2012)**

BSc in Chemical Engineering; Minor in Petroleum Engineering

**American University of Sharjah (AUS) – Sharjah, United Arab Emirates (2015 – 2018)**

MSc in Chemical Engineering

## Experience

**MWH UK Ltd., now part of Stantec, Dubai, UAE (June-November 2017)**

Civil/Water Engineering Intern

**Sharjah National Oil Corporation (SNOC), Sharjah, UAE (June-August 2011)**

Process Engineering Intern

## Conference Presentations

A. Karami, R. Sabouni, A. Aidan, Metal Organic Frameworks as a Promising Adsorbent for the Removal of Micropollutants (Methyl Orange), Fourth UAE Graduate Students Research Conference (GSRC), American University of Sharjah (AUS), UAE, April 2018

A. Karami, R. Sabouni, Adsorption Kinetics and Thermodynamics of Methyl Orange (MO) on Metal Organic Frameworks (Cu-BTC, ZIF-8, Fe-BTC): Batch and Continuous Study, Environmental and Materials Science Symposium (EMSS), Khalifa University of Science and Technology, UAE, December 2017

## Awards & Honors

Dean's List Student, American University of Sharjah, 2010

Merit Scholarship, American University of Sharjah, 2007 – 2012

## Certificates

**Process Design Fundamentals**

Octagon Management & Engineering Solutions – Online Course, (April 2016)