

Mona Hersi Ahmed Gulied

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Education

Qatar University

- Master of Science in Environmental Engineering Graduation: Spring 2019
 - Thesis: “Application of Fertilizer Drawn Forward Osmosis Process for The Treatment of Wastewater Generated from Aquaponics System”
- Bachelor of Science in Chemical Engineering Graduation: Spring 2016
 - Senior project: “Design of a World Class GTL Process Plan”

Work Experience

Qatar University

- Research assistant -Center of Advanced Material 2019
 - Research work focuses on the treatment of wastewater using fertilizer drawn forward osmosis technology
- Graduate Assistant- Gas processing Center 2017-2018
 - Research work focuses on the removal of suspended solids from synthetic wastewater using polymeric coagulant and flocculant.
 - Aided in writing review paper
- Graduate Assistant- Department of Chemical Engineering 2016-2017
 - Research work focuses on the synthesis cathodic materials for sodium ions batteries (SIBs)
- Graduate Assistant- Center of Advanced Material 2016
 - Research work focuses on the study the effect of corrosion on aluminum alloys in a marine environment in collaboration with Qatalum.

Schlumberger

- Intern- Schlumberger water service department Summer 2015
 - Work focusses on analyzing data of water samples collected from water well using AquaChem and Microsoft Excel.
 - Aided in writing Environmental Impact Assessment (EIA) report.

Publication

- Mona Gulied, Ahmed Al Nouss, Majeda Khraisheh, Fares AlMomani. Modeling and Simulation of Fertilizer Drawn Forward Osmosis Process using Aspen Plus-MATLAB Model. *Science of Total Environment*,**2019**.(Accepted)
- Abdelrahman Awada, Shifa Shaikh, Rem Jalab, Mona Gulied, Mustafa Nasser, Abdelbaki Benamor, Samer Adham. Adsorption of organic pollutants by natural and modified clays: A comprehensive review. *Separation and Purification Technology*, **2019**; 228 : 115719.

- Mona Gulied, Fares Al Momani, Majeda Khraisheh, Rahul Bhosale , Ahmed AlNouss. Influence of draw solution type and properties on the performance of forward osmosis process: Energy consumption and sustainable water reuse .*Chemosphere*, **2019**; 233 : 234-244.
- Umair Nisar, Mona Gulied, Shakoor , Rachid, Essehli Zubair Ahmed, Abdullah Alashraf, Ramazan Kahraman, Siham Al-Qaradawi , Ahmed Soliman. Synthesis and performance evaluation of nanostructured NaFexCr1_X(SO4)2 cathode materials in sodium ion batteries (SIBs). *Royal society of chemistry* ,2018; 8: 32985–32991.

Involvement and affiliation

Qatar University

8th Global Conference on Global Warming

April 2019

- Poster presentation: Modeling and simulation of forward osmosis process for the treatment of wastewater using Aspen Plus-MATLAB model.

Second Youth Research Forum

Nov 2018

- PowerPoint presentation: “Application of Forward Osmosis process for the Treatment of Wastewater Generated from Aquaponic system”

Annual Research Forum and Exhibition

April 2017

- Poster Presentation: NaFe(SO4)2 as a Novel Cathode Material for Sodium Ion Batteries (SIBs)

Society of Petroleum Engineers (SPE)

2014-2016

- Member

American Institute of Chemical Engineers (AIChE)

2013-2016

- Member

Taiwan

4th International Alternative Fuels, Energy and Environment

Feb 2019

- Poster presentation: Application of forward osmosis systems for the treatment of wastewater generated from aquaponics process.

Skills

- Microsoft office (Word, Excel and Power Point)
- Engineering applications including but not limited to: AquaChem, Aspen Plus, HYSIS, HTRI, and MATLAB
- Arabic (native) and English (excellent)
- Excellent communication and presentation skills
- Excellent leadership and teamwork qualities
- Organizational and planning skills
- Quick learner and enthusiastic worker
- Reliable and responsible

References

Available upon request