




# SARAH ALKHATIB



Chemical and Biomedical Engineer

## CONTACT

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 Al Mushrif, Abu Dhabi, UAE

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## SKILLS

- Data Analysis
- Project Management
- Event Management
- Research Skills
- Academic Writing

## INTERESTS

-  Chess
-  Literature
-  Badminton
-  Photography
-  Agriculture
-  Volunteering



## EDUCATION

3.74 /4.0

### KHALIFA UNIVERSITY

Master of Science in Biomedical Engineering

3.56 /4.0

### UNITED ARAB EMIRATES UNIVERSITY

Bachelor of Chemical Engineering

97.3%

### VISION PRIVATE SCHOOL

MOE Curriculum – Scientific Stream



## EXPERIENCE

NOW | 2021

### Research and Teaching Assistant | KU

- Research: genomic bioinformatics and big data analysis
- Deliver lectures and support team-based learning
- Administrative duties
- Student evaluation and assessment

2022 | 2018

### Co-Researcher | UAEU

- Research: MOFs and polymers
- Coordinate and lead the team of researchers
- Participate in conferences

2018 | 2018

### Process Engineer, Intern | ADSSC

- Gather and analyze treated water samples
- Study and recommend WWT solutions

2019 | 2017

### President of Student Chapter | AICHE

- Lead student activities and events
- Represent the chapter locally and internationally



## PUBLICATIONS

1

*“Revealing Cryptic Carbon Metabolic Pathways in Two UAE Native Polycyclic Aromatic Hydrocarbon Degrading Microbe Isolates”*

Conference Paper - GSRC

2

*“On extended  $q$ -Raabe Integrals and Applications of Gosper’s  $q$ -Trigonometry”*

Conference Paper - UAEU Annual Research and Innovation Conference

3

*“Designing Metal-Organic Frameworks for Natural Gas Storage”*

Published in MDPI - Crystals  
(<https://www.mdpi.com/2073-4352/9/8/406>)

4

*“Thermal, Physical, and Mechanical Characteristics of Polyester-polyurethane composites”*

Published in MDPI - Buildings  
(<https://www.mdpi.com/2075-5309/12/2/126>)

5

*“Propylene Production using Propane Dehydrogenation Process – Oleflex Technology”*

Conference Paper - UAEU Annual Research and Innovation Conference



## PROFESSIONAL COURSES



5

Bioinformatics



16

Research



9

Management



23

Engineering