



SALMA ABUBAKAR

PROFILE

A Ph.D. candidate in the chemistry department at New York University-Abu Dhabi. My research focus is material sciences; particularly designing novel materials for water purification. I'm confident in my lab skills and ability to work within groups. In the future, I'm looking to expand my teaching skills and experience.

CONTACT

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CORE SKILLS

- Communication & teamwork
- Time management
- Public speaking
- Microsoft Office
- Basic C++ programming
- Graphing software (OriginPro)

LANGUAGES

- **English:** Fluent
- **Arabic:** Fluent

EXPERIENCE

CHEMISTRY RESEARCH INTERN

NEW YORK UNIVERSITY - ABU DHABI | OCT 2017 - DEC 2018

- Designed Rubrene derivatives and studied their fluorescence and chemiluminescence properties

SUMMER RESEARCH INTERN

ZAYED COMPLEX FOR HERBAL RESEARCH AND TRADITIONAL MEDICINE | JUL 2017 - AUG 2018

- Separated and analyzed herbal extracts using analytical and spectroscopic methods (ICP-MS, HPLC)

UNDERGRADUATE RESEARCH ASSISTANT

UNITED ARAB EMIRATES UNIVERSITY- PROF. THIES THEIMANN'S LAB | MAY 2016 - JUN 2017

- Constructed ion selective electrodes for the detection of Lead ions in water
- Showcased the project in the National newspaper (Nov 2016) & the Water and Wastewater Treatment newsletter-UK (Oct 2016)

PEER MENTOR - STUDENT ACADEMIC SUCCESS PROGRAM

UNITED ARAB EMIRATES UNIVERSITY | 2015 - 2017

- Guided 30 undergraduate students through their first year

EDUCATION

PH.D. OF SCIENCES, MAJOR IN CHEMISTRY

NEW YORK UNIVERSITY- ABU DHABI | 2019 - PRESENT
GPA: 3.67

SHEIKH MOHAMED BIN ZAYED SCHOLARS PROGRAM

NEW YORK UNIVERSITY- ABU DHABI | 2017 - 2018
GPA: 3.8

BACHELOR OF SCIENCES, MAJOR IN CHEMISTRY

UNITED ARAB EMIRATES UNIVERSITY | 2014 - 2018
GPA: 3.89

CONFERENCES PARTICIPATIONS & AWARDS

13TH ANNUAL INTERNATIONAL WORKSHOP ON ADVANCED MATERIALS (IWAM 2022)- RAS AL KHAIMAH

Research poster presenter | Feb 2021

ENVIRONMENTAL AND MATERIAL SCIENCE SYMPOSIUM- KHALIFA UNIVERSITY

Awarded best research poster | Dec 2017

THE 5TH UNDERGRADUATE RESEARCH COMPETITION - ABU DHABI UNIVERSITY

Research project presentation | May 2017

THE 18TH INTERNATIONAL CONFERENCE OF THE UNION OF ARAB CHEMISTS- RAS AL KHAIMAH

Key speaker award | Mar 2017

VOLUNTEER

- Yearly science fair-UAEU | 2016-2018
- Chemistry club president -UAEU | 2017-2018
- Japanese club member-UAEU | 2016-2017