

Mervat SADIG



Personal Info:

Name: Mervat Abdo Ahmed SADIG

Birth Date: 1986

Gender: Female

Maternity Status: Married

Contact

Address:

University of Science and Technology,
Oum Durman, Khartoum, Sudan

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Languages

Arabic: Native

English: Fluent

Summary

A university scholar with a wide range of knowledge, experience and capabilities looking to serve as an assistant professor at a prestigious university.

Key Skills and Competencies

- Working in team and under pressure
- Strong decision maker
- Complex problem solver
- Leadership
- Innovative
- Service-focused

Experiences

Teaching Assistant: 2008 –2010

University of Science & Technology, Oum Durman, Sudan

- Laboratory demonstration for undergraduate students.
- Tutorials solving.
- Coordination with courses instructors

Lecturer: 2010 –2015

University of Science & Technology, Oum Durman, Sudan

- Teaching several chemical engineering courses as well as basic chemistry courses.
- Teaching laboratories and workshops.
- Academic advising

Assistant Professor: 2015 –to date

University of Science & Technology, Oum Durman, Sudan

- Teaching several courses for both undergraduate and postgraduate students:

Undergraduate courses:

- | | |
|-----------------|----------------------------------|
| Ø Mass transfer | Ø Mechanic of material |
| Ø Utilities | Ø Chemical Engineering Processes |
| Ø Chemistry 1 | Ø Organic Chemistry |
| Ø Chemistry 2 | Ø Physical Chemistry |

Postgraduate courses:

- | | |
|---------------------|--------------------------|
| ✓ Advance Corrosion | ✓ Advance Reactor Design |
| ✓ Advance Utilities | ✓ Computer Aided Design |
- Supervising graduation projects.
 - Academic advising
 - Reviewing syllabus and course contents

Education

B.Sc. in chemical engineering, **University of Khartoum** 2007
(Graduated with First class, Honor)

M.Sc. in chemical engineering, **University of Khartoum** 2010.

Ph.D. in chemical engineering, **University of Science and Technology** 2015.

Research Interest and Experience

Ph.D. Thesis entitled: *Development of liquid-liquid equilibrium models and design application* 'which investigated the accuracy of liquid-liquid equilibrium correlation models for computer aided design. However, to get equilibrium data by experiment for some mixtures, the precise liquid- liquid equilibrium data are necessary for the design of extraction processes.

Research interest:

- Computer aided design
- Corrosion
- Processes

Memberships and Administrative work

- ✓ The Sudan Engineering Society, Professional Chemical Engineer Membership
- ✓ Member: Committee of preparing the syllabus of Chemical Engineering Master degree program, **University of Science and Technology**, 2017.
- ✓ Head/ Chairperson: Engineering week committee, **University of Science and Technology**, 2018.
- ✓ Member: Syllabus reviewing committee, **University of Science and Technology**, 2018.
- ✓ Member: Graduation projects examiner, **University of Science and Technology**, 2014 –to date.
- ✓ Member: Community service committee, **University of Science and Technology**, 2016 –to date

Referees

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