

Mohammed Salaheldeen Ahmed Abdalla
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Personal Information:

Date of Birth: 2 August 1973
Gender: Male
Nationality: Sudanese
Marital Status: married
Religion: Muslim

Education:

- PhD in Chemistry, College of Graduate Studies and Scientific Research, Sudan University of Science and Technology since (2014).
Title of the Thesis: Physical and Thermo-chemical characterization of Oil, Biodiesel and Biomass derived from *Moringa peregrina* seeds
- MSc in chemistry ,University of Gezira, Faculty of Engineering and Technology CGPA 3.88 out of 4(2007)
- BSc.(honors) in chemistry ,Sudan university for Science and Technology, Faculty of Science ,Department of Chemistry ,Second Class -First Division(1996)

Experiences:

- (1997-1999) Teaching Assistant Chemistry Department, Nile Valley University, College of Education.
- (2000-2003) Chemist, Gazan Sea Port, Water Treatment Department, Kingdom of Saudi Arabia

- (2003-2005) Chemist ,Southern Province Cement Company ,Quality Department, Kingdom of Saudi Arabia
- (2005-2007) Teaching Assistant, Chemistry Department, Nile Valley University, College of Education.
- (2007-2014) Lecturer, Chemistry Department, Nile Valley University, College of Education.
- My recent job (since Nov. 2014) is assistant professor of Physical Chemistry at Nile Valley University, College of Education, Department of Chemistry.
- Since January 2015 till now head of Chemistry Department, College of Education, Nile Valley University.
- Reviewer for many ISI journal such as Energy conversion and management journal (published by Elsevier), Energy and fuel Journal,(published by ACS).

Professional Development:

- Training program for Modern Engineering Technology (15-24 December/2018) under China-Africa Universities (20+20) at Yangzhou University.
- Training program (19 to 20 April 2018) on writing of research project for funding.
- One year research period (2013- 2014) in Malaysia at University of Malaya during my study for the ph D degree.
- Training program on writing scientific manuscripts and End note program (29/ March/2012).
- Training course on Statistical Package of Social Science program (SPSS) during the period25-29/9/2011.

- Intensive English language program (Pre-intermediate, Intermediate and upper level) Linkup series, University of Khartoum July 2011.
- Initial course in Educational Development, Nile Valley University June 2009
- Work shop on Laser Application in Chemical Analysis and Oil Industry at Institute of Laser Sudan university for Science and Technology April 2008

Teaching Experience

I have experience in teaching general Chemistry and different courses of Physical Chemistry in the levels of undergraduate and graduate studies. These courses include:

- General Chemistry for the first year in the faculties of Education, Engineering and Pharmacy.
- Thermodynamics and Thermochemistry
- Kinetics of Chemical reaction
- Mechanism of Organic Reaction
- Quantum Mechanics
- Molecular spectroscopy
- Photochemistry
- Electrochemistry
- Surface Chemistry
- Radiation and Nuclear chemistry
- Symmetry and Application of group theory in Chemistry
- Physical chemistry for Pharmacy

Publications:

1. **M Salaheldeen**, MK Aroua, AA Mariod, SF Cheng, MA Abdelrahman (2015). Physicochemical characterization and thermal behavior of biodiesel and biodiesel–diesel blends derived

from crude *Moringa peregrina* seed oil. Energy Conversion and Management 92, 535-542

2. **M Salaheldeen**, MK Aroua, AA Mariod, SF Cheng, MA Abdelrahman (2014). An evaluation of *Moringa peregrina* seeds as a source for bio-fuel. Industrial Crops and Products 61, 49-61 16.
3. AA Mariod, **M Salaheldeen** (2017). Oilseed crops and biodiesel production: Present and future prospects. Oilseed Crops: Yield and Adaptations Under Environmental Stress, 52. John Wiley and sons.
4. HA Sulaiman, EEM Ahmad, AA Mariod, B Mathäus, **M Salaheldeen** (2018). Effect of pretreatment on the proximate composition, physicochemical characteristics and stability of *Moringa peregrina* oil. Grasasy Aceites 68 (4), 227.

Research of interest

Recent research of interest concerns kinetics and catalysis of triglycerides transesterification reaction for biodiesel production from unconventional resources, using novel catalysts.

Research supervision and reviewing scientific manuscripts

MSc students 5

Reviewing 6 articles

Skills:

Language: good conversational English, basic Arabic.

Computer knowledge: windows, Microsoft office and Internet

References

- Professor Dr. Abdalbasit Mariod, Jeda University, Saudi Arabia (basitmariod@yahoo.com)
- Professor Dr. Mohamed Kheireddinne Aroua, Sunway University Malaysia (kheireddinea@sunway.edu.my)
- Dr. Cheng Sit Foon, University of Malaya, Malaysia (sfcheng@um.edu.my)

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