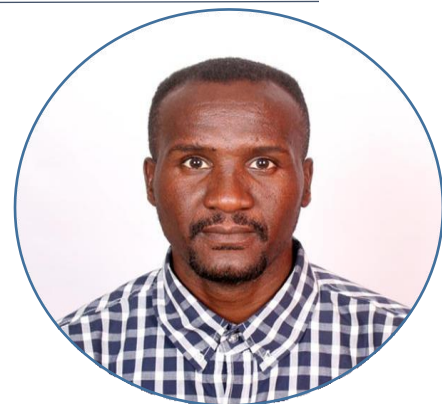


Curriculum Vitae

Personal data

Name **Ahmed, Abubaker Mohamed Taher**
Date and place of birth 01/ 01/ 19 87- Omdurman, Sudan
Family Status married
Nationality Sudanese
Permanent address Oman - Muscat
Email ahmedbook4444@gmail.com
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Education

2016 - 2019

PhD, in Laser applications in Physics (Raman spectroscopy), thesis title:
“investigation of toxic Molecules in some artificial sweeteners using Raman
Spectroscopy “at Sudan University for science and technology
(Laser institute Khartoum Sudan). Ended with, excellent“

06.12.2012-20.12.2014

Master of Science in Laser applications in Physics at University of Sudan
University for science and technology with a complementary thesis
“(Exploration of singlet oxygen Emitted after irradiation of
Dybenzocyanine45, methylene blue, and Rohdamine 6G Dyes
Using lasers with differences wavelengths (With transcript) Ended
With very good.

01.10 .2005 - 15.10.2009

Bachelor of Science in general Physics **HONOURS** at Sudan University for science and
technology with complementary thesis Ended with „**second class**“

01 / 02 / 2020 – until now

Assistant professor, Faculty of medicine, Department of Physics, Al-yarmouk medical collage Khartoum

Assistant professor, Faculty of science, Department of Physics- Sudan University for science and technology Khartoum

Assistant professor, Faculty of science, Department of Physics- Sudan University for science and technology Khartoum

Teaching at University level - Conducting scientific research – Undertaking other academic and administrative duties as required by the University. - Reviewer for Advances in Materials Physics and Chemistry (AMPC)

(<https://www.SciRP.org/journal/ampc>).

I taught the following courses at Al-yarmouk medical college:

General physics, laser physics and medical physics.

01/ 08 / 2014 - 24.2.2020

Full-time position: Lecturer Department of Physics at Al-yarmouk medical collage Khartoum. **Main responsibility:** Teaching General Physics courses and helping students in physics lab.

01/ 07 / 2015 - 12/ 04 /2017

Part -time position: Lecturer at department of physics, Faculty of Science, Sudan University of science and technology. **Main responsibility:** Teaching physics courses for undergraduate students. I taught the following courses at Sudan University: **Modern physics**, General **physics 1**, General **physics 2**, and Heat, Optics, Electricity and Magnetism laser physics.

11/09/2012 -01 / 12 / 2013

Part-time position: Teaching assistant at department of **Physics, Faculty of Science**, and Sudan University of science and Technology. Main responsibility: Teaching physics courses and helping undergraduate students in lab.

2011- 2014

A teacher at AL-AHLAM INTERNATIONAL PRIVET SCHOOLS AND KINDAGARTENS

Special knowledge

Microsoft Office Package and Internet

Word: Sound knowledge
Excel: Sound knowledge
PowerPoint: good knowledge
Latex: Sound knowledge
MATLAB: Good knowledge
Origin Lab: v. good knowledge

Experimental technique:

Raman spectroscopy, FT IR analysis, Sound knowledge

Micro-and Nano technology **MEM** Sand **NEMS**: sound knowledge.

Business, Administration Project management: Sound knowledge.

Languages: Arabic: Mother tongue

English: Excellent

German: goodA2.2

English (**IELTS 2024**

Band 6)

Driving license: Sudanese license

Publications

I. M.Awadelgied, Ahmed Abubaker Mohamed, (2019), Characterization of Artificial Sweeteners (Steviana) and Investigation of (Aspartame, Saccharin And Sorbitol) using Raman Spectroscopy, International Journal of Trend in Scientific Research and Development (IJTSRD).

II. Abdelmoneim Mohammed Awadelgied, Ahmed Abubaker Mohamed, (2019),

Identification of Commercial Sweetener (süssina) Components and Investigation of Aspartame and Saccharin Using Raman Spectroscopy, American Journal of Quantum Chemistry and Molecular Spectroscopy.

III. Sufyan Sharafedin ,A.M. Awadelgied, Ahmed Abubaker

Mohamed, **(2019)**, Characterization of Surface Water Components in Northern Sudan Using Raman Spectroscopy, International Journal of Fluid Mechanics & Thermal Sciences.

IV. Sufyan Sharafedin ,A.M. Awadelgied, Ahmed Abubaker

Mohamed, **(2019)**, the Ability of Raman Spectroscopy to Detect Surface Water Pollution in Northern Sudan, International Journal Of Trend in Scientific Research and Development (IJTSRD).

V. Sufyan Sharafedin Mohammed Dawod, Nafie A. Al Muslet, Ahmed Abubaker Mohamed Taher, **(2020)**, Characterization of Benzene Samples Taken from Different Areas in Sudan Using Laser Induced Breakdown Spectroscopy (LIBS), American Journal of Modern Energy. Vol. 6, No. 4, 2020, pp. 77-83. doi: 10.11648/j.ajme.20200604.11.

VI. Mahasin Mohamed Daffa Allah Banaga¹, Abdelmoneim Awadelgied, Nafie Abdallatief Al Muslet, Ahmed Abubaker Mohamed, Abdalsakhi Suliman Hamed **(2021)**, Investigation of Natural Pigments and Optical Properties for Some Sudanese Edible Oils Using UV - VIS Spectroscopy Techniques, American Journal of Modern Physics.

- **Introductory course** in Nanofabrication Technology Indian institute of science (IISC) Bangalore INDIA 2019.
- **MATLAB Course** institute of natural science Khartoum 2018.
- **Systems and Methods of university Teaching** (Khartoum university) 2020
- **Workshop in the concept of learning** and learning theories Alyarmouk medical collage 2021.
- **Workshop entitled Educational objectives** (Al-yarmouk medical collage) 2021
- **Workshop entitled Academic supervision** (Al-yarmouk medical collage) 2021
- **Workshop in Radiation safety** at SUDAN ATOMICENERGY RADIATION SAFETY INSTITUTE 2009
- **Summer School on Lasers and Laser Applications** (SSOLLA) 2022 Organized by APRI, GIST.

References

- [Prof .Dr. Nafie A.AL Muslet. Tel (00249126738127), (00905523480258). mnmfa.2010@gmail.com. Sudan University of Science and technology laser institute Khartoum.
- [Dr. Sohad saad Elwakeel ,Tel 0912253879, sohaddiga@sustech.edu Sohad30002001@yahoo.com
- [Prof. Dr.Ali Abdel Rahman saeed marouf Tel (00249912176796) , marouf.44@gmail.com, alisaheed@sust.edu