



Name: **Alsiddig Osama Ahmed Mohammed**
Date of Birth: 5th September 1992
Nationality: Sudanese
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Education

May 2016 **M. Sc. (Excellent) Chemistry**
Faculty of Post Graduate Studies, Omdurman Islamic University

July 2013 **B. Sc. (V. Good with Honours) Chemistry**
Faculty of Science and Technology, Omdurman Islamic University

May 2009 **High Secondary School Certificate (Biology)**
El-Khartoum El-Jadeda School, Khartoum, Sudan

Experience

May 2016- present **Lecturer (Chemistry)**
Faculty of Science and Technology, Omdurman Islamic University

October 2013- January 2017 **Teaching Assistant (Chemistry)**
Faculty of Engineering Sciences, Omdurman Islamic University

August 2013- May 2016 **Teaching Assistant (Chemistry)**
Faculty of Science and Technology, Omdurman Islamic University

Conference

- Participated and presented a **poster** in the 15th Symposium of the Natural Products Research Network for Eastern and Central Africa (NAPRECA), December 3rd – 10th, **2013**, National Telecom Corporation Tower, Khartoum, Sudan

Workshops, Courses and Professional Trainings

- ‘2’ Month** training at **Amipharma Laboratories**.
- “Modern Methods of Structural Analysis of Natural Products”** held at Sharjah Hall, University of Khartoum, delivered by Dr. Matthias Heydenreich and Dr. Solomon Derese

as part of pre-symposium workshops program of the 15th Symposium of (NAPRECA), Khartoum, Sudan, December 3rd – 5th 2013.

- “**Basic radiation safety training course**” held at Radiation safety institute (RSI)- Sudan Atomic Energy Commission, Khartoum, Sudan, February 24th- 28th 2013.
- ‘**1**’ **Month** training at **Environment and water lab**, general management of medical serves, medical army hospital.
- ‘**1**’ **Month** training at **Climax Pharmaceutical Mfg. Co.**

Skills

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|------------------|---|
| Computer | Highly skilled in most of the common and many of the specialized computer software, e.g. MS Windows, Linux (Ubuntu, Fedora), MS Office (word, excel and power point), AutoDock4 docking software, Internet programs, etc. |
| Technical | Professional in performing chemical analysis using chromatographic and spectrophotometric techniques. |
| Language | ❖ Arabic (<i>Mother tongue</i>) ❖ English (<i>flaunt</i>) |
| Personal | Self-study, Accurate, Quick learning, Hard worker, Eagerness to learn and develop |

Publications

1. **Osama A et al., (2017).** Antioxidant activity, acetylcholinesterase inhibitory potential and phytochemical analysis of *Sarcocephalus latifolius* Sm. Bark used in traditional medicine in Sudan. *BMC Complementary and Alternative Medicine*. 17:270. (England)
2. **Osama A et al., (2017).** Antimicrobial Activity and Elemental Composition of *Sarcocephalus latifolius* Fruits: An Ethnopharmacological Based Evaluation. *Journal of Advances in Microbiology*. 3(2): 1-5. (USA)

3. **Osama A et al., (2017)**. Phytochemical Composition and Evaluation of Antimicrobial Activity of *Blepharis linariifolia* (Pers.) Seeds. *Asian Journal of Chemical Sciences*. 2(2): 1-6. (India)
4. Yagoup EM, **Osama A et al., (2017)**. Chemical Composition of Sudanese Burgers and Their Impact on Health as Nutrients. *Journal of Food and Nutrition Sciences*. 5(3): 69-72. (USA)
5. **Osama A et al., (2017)**. Spectrophotometric determination of total phenol and flavonoid contents of aerial parts of *Blepharis edulis* (Pers.). *Chemical Science International Journal*. 18(2): 1-7. (USA)
6. Alzain F, Nasraldeen M, Awadalkareem S, **Osama A et al., (2016)**. Antioxidant Potential and Phytochemical Screening of *Aristolochia braceolata*: an in vitro approach. *American Journal of Life Sciences*. 4 (5): 113- 117. (USA)
7. Ezeldin M and **Osama A (2016)**. Determination of Gold Concentration in Quartz Rock samples by using Atomic Absorption Spectrophotometry Technique. *International journal of research and current development*. 2 (1): 78-80. (India)
8. **Osama A** and Awdelkarim S **(2015)**. Phytochemical screening of *Ficus sycomorus* L. bark and *Cleome gynandra* L. aerial parts. *Journal of Pharmacognosy and Phytochemistry*. 4 (4): 24-27. (India)
9. Ezeldin M, Masaad AM, Abualreish M. J. A, and **Ahmed AO (2015)**. Physico-chemical Properties of Blended Gasoline Samples produced from Khartoum Refinery in Sudan. *Research Journal of Chemistry and Environment*. 19 (11): 22- 31. (England)
10. **Osama A., et al., (2015)**. In vitro Evaluation of *Acacia nilotica* Pods for its Antioxidant, Acetylcholinesterase Inhibitory Activities and Phytochemical Screening. *European Academic Research*. 3(3): 3059-3069. (Romania)
11. Ezeldin M, Elamin AA, Masaad AM, Suleman NM, **Ahmed AO (2015)**. Effect of X-ray radiation on some physiochemical characteristic of diesel fuel. *American research thoughts*. 1 (12): 2862- 2870. (Romania)

12. Eltayeb OM, Jobara MI, Mohamed MA, Masaad AM, Elshikh AA, Elrofaei NA, **Ahmed AO, et al., (2015)**. In vitro Evaluation of Antimicrobial, Antioxidant activities and Phytochemical Screening of *Quercus infectoria* (galls) used in Traditional Medicine. *Current Research in Microbiology and Biotechnology*. 3(2): 595-599. (India)

Research Interest

I am interest in the field of **Drug Discovery** using enzyme inhibition assays. I worked within different research teams most of the research projects concerned with conducting various chemical and phytochemical studies on selected medicinal plants and evaluate their antioxidant and enzyme inhibition activities.

Referees

▪ **Prof. Hatil H. Alkamali**

Dean, Faculty of Science and Technology, Omdurman Islamic University,

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▪ **Dr. Ali M. Masaad**

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