Ministry of Higher Education & Scientific Research
College of Education for Pure Sciences
Department of Chemistry

Curriculum Vitae

Muthana Mohammed Sirhan

Al- Anbar - Fallujah

(+964) (7810140826)

muth_1974na@yahoo.com

https://www.uoanbar.edu.iq/staff-page.php?ID=1155

Summary

Assistant professor of Analytical Chemistry with 18+ years of experience. Offering extensive knowledge of education and research for undergraduate and postgraduate students. Successful laboratory supervision and management. Through these qualities, I have confidence in my ability to facilitate positive change and collective effort.

Skills

- Highly proficient with teaching of undergraduate and postgraduate.
- Proficient with organic synthesis.
- Strong organizational and prioritization skills along with keen attention to detail.
- Proficient with the current versions of ChemDraw and Biorender.
- Very good interpersonal and organizational skills, with an ability to work both independently and collaboratively.

Experience and Research Interest

- Synthetic Chemist - 01/2001 to present.
- U.V spectroscopy.
- Heterocyclic chemistry.
- NMR spectroscopy.
- FT-IR Spectroscopy.
- Transmission Electronic Microscopy (TEM)
- Scanning Electronic Microscopy (SEM)
- X-Ray Diffractometry (XRD)
- Thermogravimetric Analysis (TGA)
- NMR Spectroscopy
- BET Surface Area Analysis, and BJH Pore Size and Volume Analysis

Education

- PhD Analytical Chemistry, Bangor University , UK. 2013.
- MSc Analytical Chemistry, University of Anbar 2001.
- BSc Chemistry, University of Anbar 1996.

Academic Appointments

- Senior Lecturer / Assistant professor of Analytical Chemistry, Department of Chemistry, College of Education for Pure Sciences, University of Anbar, 2001–present.
- Lecturer of Analytical Chemistry, Department of Chemistry, College of Education for Pure Sciences, University of Anbar, 2013–2016
- Assistant Lecturer of Analytical Chemistry, Department of Chemistry, College of Education for Pure Sciences, University of Anbar, 2001–2013.

Courses Taught

Undergraduate

- Analytical Chemistry, Year two and one , College of Education for Pure Sciences, University of Anbar.
- Instrumental analysis, Year four, College of Education for Pure Sciences, University of Anbar.

Postgraduate

- Analytical Chemistry.
- Electrolysis.

Memberships

- Member of the American Chemical Society ACS.

Supervision

- Four MSc students.

Conferences

1. International Conference on Technologies and Materials for Renewable Energy, Environment and Sustainability, TMREES16, Beirut 2016.
2. International Conference on Technologies and Materials for Renewable Energy, Environment and Sustainability, TMREES17, Beirut 2017.

3. 4th International Conference on Power and Energy Systems Engineering, CPESE 2017 , Berlin, Germany 2017.
4. The 6th International Conference on Power and Energy Systems Engineering (CPESE 2019), September 20–23, 2019, Okinawa, Japan.

Selected publications

1. Muthana M. Sirhan . Effect of the crude extract of three types of Henna (Lawsonia Inermis)in the Bacterial and Dermatophyte activity. . J. of University of Anbar for pure science. 2005
2. Muthana M. Sirhan . Limit of some physical parameters (Temperature-Time) to produce and extract pyocyanin pigment from pseudomondas aeruginosa bacteria. . J. of University of Anbar for pure science. 2006.
3. Muthana M. Sirhan . Ahmed D. Saleh. Jumaa R. Al Dulayymi. Thiol modified mycolic acids. Chem. Phys. Lipids. 172-173; 2013: 40-57.
4. Ali Sami, Muthana Mohammed, Ahmad Dhary. Synthesis of Carbon Nanofibers from Decomposition of Liquid Organic Waste from Chemical and Petrochemical Industries. Energy Procedia. 74; 2015; 4-14.
5. Muthana M. Sirhan, Ali S. Ismail, Ahmed D. Saleh. Mercuric Ions (II) Uptake From Aqueous Solutions by Chelating Resin Containing Pendant Multidentate Ligand. J. of University of Anbar for pure science. 9(3); 2015: 10-18.
6. Marwan M. Farhan, Muthana M. Al-Jumialy, Ahmed D. Al-Muhammadi, Ali S. Ismail. Development of a New Method for Reducing the Loss of Light Hydrocarbons at Breather Valve of Oil Tanks. Energy Procedia. 141; 2017: 471-478.
7. Marwan M. Farhan .The synthesis of single enantiomers of α-mycolic acids of Mycobacterium tuberculosis and related organisms, with alternative cyclopropane stereochemistries. SynOpen 1(1); 2017: 0103-0116.
8. Ahmad D. Saleh, Muthana M. Sirhan , Ali S. Ismail. Study Sorption and Desorption of Cd^{+2}, Pb^{+2} Ions by Selected Chelating Resin to Removal them from industrial and environmental wastes. Energy Reports. 6; 2020: 243–249.

https://www.scopus.com/authid/detail.uri?authorId=55880366400

https://scholar.google.co.uk/citations?hl=en&user=i1fjde4AAAAJ

https://www.researchgate.net/profile/Muthana-Mohammed

https://orcid.org/0000-0002-6798-4951

https://publons.com/researcher/1743336/muthana-mohammed-sirhan/