

CURRICULUM VITAE

PERSONAL DATA

Name	Mutaz Ezzeldien Salih Amin
Nationality	Sudanese
Position	Lecturer
E-Mail	meamin@imamu.edu.sa
Phone	0503659294

EDUCATION

Year	Academic Degree	Institution
2019	Ph.D. in chemistry (Analytical chemistry)	Sudan University of Science and Technology
2010	Master of Science in Chemistry	Sudan University of Science and Technology
2008	Postgraduate Diploma in Chemistry	Sudan University of Science and Technology
2005	BSc in Chemistry	Sudan University of Science and Technology

WORK EXPERIENCE

Period	Position	Address
2/ 2022-12/2023	Department Coordinator (Hyrumilla College)	Imam Mohammad Ibn Saud Islamic University (KSA)
2/2022- now	Supervisor of the college's chemistry laboratories (Hyrumilla College)	Imam Mohammad Ibn Saud Islamic University (KSA)
1/2022- now	Unit coordinator of the college schedules and final exams from (Hyrumilla College)	Imam Mohammad Ibn Saud Islamic University (KSA)
1-10-2023-now	A member of the Academic Advising Unit in the college	Imam Mohammad Ibn Saud Islamic University (KSA)

	(Hyrumilla College)	
1-10-2023-1-10-2024	A member of the Scientific research unit in the college since 2023-now (Hyrumilla College)	Imam Mohammad Ibn Saud Islamic University (KSA)
2016-2023	Unit coordinator of the college schedules and final exams .	Shaqra University (KSA)
2013- 2016	A member of a committee of scheduled tables and final exams for the college.	Shaqra University (KSA)
2016-2023	A member of a committee of scheduled tables and final exams for the chemistry department.	Shaqra University (KSA)
2016-2023	Supervisor of the college's chemistry laboratories.	Shaqra University (KSA)
2016-2023	Coordinator of the Academic Advising Unit in the chemistry department	Shaqra University (KSA)
2016-2023	A committee member has been responsible for the preparation of lab manuals	Shaqra University (KSA)

RESEARCH INTERESTS

- Preparation, characterization, and application of capillary monolithic columns for micro and nano-LC.
- Analysis of various organic pollutants and their residues: hydrocarbons, pesticides, PCBs.
- Synthesis of new nanomaterials for wastewater treatment.

PUBLICATIONS

- Exploring the Antimicrobial, Antioxidant, and Antiviral Potential of Eco-Friendly Synthesized Silver Nanoparticles Using 3 Leaf Aqueous Extract of *Portulaca oleracea* Mohammed Ali Abdel-Rahman, Khalid S. Alshallash 2, Ahmed M. Eid, Saad El-Din Hassan, **Mutaz Salih**, Mohammed F. Hamza and Amr Fouda (**ISI under review**).
- Almufarij, Rasmiah S., Babiker Y. Abdulkhair, and **M. Salih**. "Fast-simplistic fabrication of MoO₃@Al₂O₃-MgO triple nanocomposites for efficient elimination of pharmaceutical contaminants." *Results in Chemistry* (2023): 101281 (**ISI-web of science-Q 2**).
- **Salih, Mutaz**, Babiker Y. Abdulkhair, and Mansour Alotaibi. "Insight into the Adsorption Behavior of Carbon Nanoparticles Derived from Coffee Skin Waste for Remediating Water Contaminated with Pharmaceutical Ingredients." *Chemistry* 5.3 (2023): 1870-1881. (**ISI-web of science-Q 2**).
- Almufarij, R.S., Abdulkhair, B.Y., **Salih, M.** and Alhamdan, N.M., 2022. Sweep-Out of Tigecycline, Chlortetracycline, Oxytetracycline, and Doxycycline from Water by Carbon Nanoparticles Derived from Tissue Waste. *Nanomaterials*, 12(20), p.3617 (**ISI-web of science-Q 1**).
- Almufarij, R.S., Abdulkhair, B.Y., **Salih, M.**, Aldosari, H. and Aldayel, N.W. Optimization, Nature, and Mechanism investigations for the Adsorption of Ciprofloxacin and Malachite Green onto Carbon Nanoparticles Derived from Low-Cost Precursor via a Green Route. *Molecules*, 27(14), p.4577, 2022 (**ISI-web of science-Q 2**).

Salih, Mutaz, M. Khairy, Babiker Abdulkhair, M. G. Ghoniem, Nagwa Ibrahim, MA Ben Aissa, and A. Modwi. "Impact of Sn ions on structural and electrical description of TiO₂ nanoparticles." Zeitschrift für Naturforschung A (2021) (**ISI-web of science**).

- Babiker Y. Abdulkhair; **Mutaz E. Salih**; abueliz Modwi; AM Fatima; NY Elamin; Seyfeddine Rahali; Mahamadou Seydou. Adsorption Behavior of Barium Ions onto ZnO Surfaces: Experiments Associated with DFT Calculations. Journal of Molecular Structure, 128991-2020. (**ISI-web of science**).

- **Salih, Mutaz E.**, Ahmad Aqel, Babiker Y. Abdulkhair, Munir S. Obbed, Zeid A. AlOthman, Yacine Badjah-Hadj-Ahmed, and Mohamad A. Abdulaziz. "Preparation and Characterization of Glycidyl Polymethacrylate Monolith Column and its Application for Simultaneous Determination of Paracetamol and Chlorzoxazone in Their Combined Pharmaceutical Formulations." Journal of Analytical Chemistry 75, no. 11 (2020). 1435- 1442. (**ISI-web of science**).

- Abdulkhair, Babiker Y., **Mutaz E. Salih**, Nuha Y. Elamin, A. MA Fatima, and A. Modwi. "Simplistic Synthesis and Enhanced Photocatalytic Performance of Spherical ZnO Nanoparticles Prepared from Arabinose Solution." Zeitschrift für Naturforschung A 74, no. 10 (2019): 937-944. (**ISI-web of science**).

- Modwi, A., B. R. Y. Abdulkhair, **M. E. Salih**, N. Y. Elamin, and A. M. Fatima. "FAST AND GREEN SYNTHESIS OF Sn/TiO₂ PHOTOCATALYST AND IT'S BI-FUNCTIONAL COMPETENCE AS ADSORBENT AND PHOTOCATALYST." Digest Journal of Nanomaterials & Biostructures (DJNB) 14, no. 2 (2019). (**ISI-web of science**).

- **Salih, Mutaz E.**, Ahmad Aqel, Babiker Y. Abdulkhair, Zeid A. Alothman, Mohamad A. Abdulaziz, and A. Yacine Badjah-Hadj-Ahmed. "Simultaneous determination of paracetamol and chlorzoxazone in

their combined pharmaceutical formulations by reversed-phase capillary liquid chromatography using a polymethacrylate monolithic column." *Journal of chromatographic science* 56, no. 9 (2018): 819-827.

(ISI-web of science).

- **Salih, Mutaz Ezzeldien**. Comparison of the Concentrations of Trace Metals and Phosphorous in Acacia Nilotica in Different Areas in Sudan. Diss. Sudan University of Science & Technology, 2010.

Madbouly, Magdy Diab, **Mutaz Ezzeldien Salih**, Elmugdad Ahmed Ali, and Laila Tosson Kamel.

"Determination and assessment of essential elements in Acacia Nilotica-a medicinal and folk uses by different analytical methods." *Journal: Journal of Advances in Chemistry* 10, no. 2 (2014).