

CURRICULUM VITAE

PERSONAL DATA

Name	Nuha Yousif Abdelwahid Elamin
Nationality	Sudanese
Position	Associate professor
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EDUCATION

Year	Academic Degree	Institution
2013	Ph.D.	Sudan university of science & technology
2006	Master	University of Gezira
2003	BSC	Sudan university of science & technology

WORK EXPERIENCE

Period	Position	Address
2003- 2005	Teacher assistant	National ribat university-Sudan
2007- 2012	Lecturer	Chemistry department, Sudan university
2013	Assistant professor	Chemistry department, Sudan university
2013 until now	Assistant professor- Associate professor	Chemistry department, Imam Mohammad Ibn Saud Islamic University

RESEARCH INTERESTS

Nanomaterials science- Environmental chemistry

PUBLICATIONS

1. Abdulkhair, B. Y., Salih, M. E., **Elamin, N. Y.**, Fatima, A. M., & Modwi, A. (2019). Simplistic synthesis and enhanced photocatalytic performance of spherical ZnO nanoparticles prepared from arabinose solution. *Zeitschrift für Naturforschung A*, 74(10), 937-944.
2. Abdulkhair, B., Salih, M., Modwi, A., Adam, F., **Elamin, N.**, Seydou, M., & Rahali, S. (2020). Adsorption behavior of barium ions onto ZnO surfaces: experiments associated with DFT calculations. *J Mol Struct*, 128991.
3. **Elamin, N.**, Modwi, A., Aissa, M. A., Taha, K. K., Al-Duaij, O. K., & Yousef, T. A. (2021). Fabrication of Cr-ZnO photocatalyst by starch-assisted sol-gel method for photodegradation of congo red under visible light. *Journal of Materials Science: Materials in Electronics*, 32(2), 2234-2248.
4. Rahali, S., Ben Aissa, M. A., Khezami, L., **Elamin, N.**, Seydou, M., & Modwi, A. (2021). Adsorption behavior of Congo red onto barium-doped ZnO nanoparticles: correlation between experimental results and DFT calculations. *Langmuir*, 37(24), 7285-7294.
5. **Elamin, N. Y.**, & Ali, E. A. Preparation, Characterization and Evaluation of Extraction Efficiency of Np-tolyl-N-benzohydroxamic Acid towards Certain Metal Ions.
6. Chandini, K. M., Al-Ostoot, F. H., Shehata, E. E., **Elamin, N. Y.**, Ferjani, H., Sridhar, M. A., & Lokanath, N. K. (2021). Synthesis, crystal structure, Hirshfeld surface analysis, DFT calculations, 3D energy frameworks studies of Schiff base derivative 2, 2'-((1Z, 1' Z)-(1, 2-phenylene bis (azanylylidene)) bis (methanylylidene)) diphenol. *Journal of Molecular Structure*, 1244, 130910.
7. Shehata, E. E., Alsubaie, E. S., & **ELamin, N. Y.** (2019). Quality analysis for some types of honey in the Kingdom of Saudi Arabia. *Int. Res. J. Pure. Appl. Chem*, 17(3), 1-6.
8. **Elamin, N. Y.**, Alotaibi, Z. S., Alanzi, N. S., & Shehata, E. E. Investigation of Physicochemical, Spectroscopic Characteristics and the Concentration of Some Metals in Canola Oil.
9. Aissa, B., Khezami, L., Taha, K., **Elamin, N.**, Mustafa, B., Al-Ayed, A. S., & Modwi, A. (2021). Yttrium oxide-doped ZnO for effective adsorption of basic fuchsin dye: equilibrium, kinetics, and mechanism studies. *International Journal of Environmental Science and Technology*, 1-14.
10. Shahat, A., **Elamin, N. Y.**, & Abd El-Fattah, W. (2021). Spectrophotometric and Fluorometric Methods for the Determination of Fe (III) Ions in Water and Pharmaceutical Samples. *ACS omega*, 7(1), 1288-1298.

11. Khezami, L., **Elamin, N.**, Modwi, A., Taha, K. K., Amer, M. S., & Bououdina, M. (2022). Mesoporous Sn@ TiO₂ nanostructures as excellent adsorbent for Ba ions in aqueous solution. *Ceramics International*, 48(4), 5805-5813.
12. Ferjani, H., Ben Smida, Y., Onwudiwe, D. C., **Elamin, N. Y.**, Ezzine, S., & Almotlaq, N. S. (2022). An Experimental and Theoretical Study of the Optical Properties of (C₂H₇N₄O)₂BiCl₅ for an Optoelectronic Application. *Inorganics*, 10(4), 48.
13. Elamin, M. R., Ibnaouf, K. H., **Elamin, N. Y.**, Adam, F. A., Alolayan, A. H., & Abdulkhair, B. Y. (2022). Spontaneous Adsorption and Efficient Photodegradation of Indigo Carmine under Visible Light by Bismuth Oxyiodide Nanoparticles Fabricated Entirely at Room Temperature. *Inorganics*, 10(5), 65.
14. **Elamin, N. Y.**, Indumathi, T., & Kumar, E. R. (2022). Murraya koenigii mediated synthesis of cobalt doped NiO nanoparticles: Evaluation of structural, optical properties and anti-bacterial activity. *Physica E: Low-dimensional Systems and Nanostructures*, 115295.
15. Umair, M., Nazir, G., Murtaza, G., **Elamin, N. Y.**, Muhammad, N., Amin, M. A., & Somaily, H. H. (2022). Synthesis and characterization of Al and Zr-dual-doped lithium cobalt oxide cathode for Li-ion batteries using a facile hydrothermal approach. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 641, 128493.
16. Ferjani, H., Bechaieb, R., Dege, N., Abd El-Fattah, W., **Elamin, N. Y.**, & Frigui, W. (2022). Stabilization of supramolecular network of fluconazole drug polyiodide: Synthesis, computational and spectroscopic studies. *Journal of Molecular Structure*, 1263, 133192.
17. Smida, Y. B., Ferjani, H., Boukhachem, A., Onwudiwe, D. C., **Elamin, N. Y.**, & Hamzaoui, A. H. (2022). Ab initio study of the optoelectronic properties of α -Ba₂SnS₄. *Materials Science in Semiconductor Processing*, 150, 106917.
18. Ragab, H. M., Algethami, N., **Elamin, N. Y.**, Asnag, G. M., Rajeh, A., & Alzahrani, H. S. (2022). An insight into the influence of Ag/Se nanoparticles on the structural, optical, and electrical properties of Cs/PAM nanocomposites films as application in electrochemical devices. *Journal of Molecular Structure*, 1267, 133619.
19. **Elamin, N. Y.**, Indigo carmine pigment adsorption utilizing MgO nanostructures fabricated from pimpinella anisum extract, *Journal of Optoelectronic and Biomedical Materials* Vol, 14(3), 115 – 127.
20. **ELAMIN, Nuha Y.**, et al. Synthesis and structural of Fe₃O₄ magnetic nanoparticles and its effect on the structural optical, and magnetic properties of novel Poly (methyl

- methacrylate)/Polyaniline composite for electromagnetic and optical applications. *Optical Materials*, 2023, 135: 113323.
21. ELAMIN, Mohamed R., **Elamin, N. Y.**, et al. Application of Synthesized Vanadium–Titanium Oxide Nanocomposite to Eliminate Rhodamine-B Dye from Aqueous Medium. *Molecules*, 2022, 28.1: 176.
 22. **ELAMIN, Nuha Y.**; INDUMATHI, T.; KUMAR, E. Ranjith. Evaluation of physicochemical and biological properties of SnO₂ and Fe doped SnO₂ nanoparticles. *Ceramics International*, 2023, 49.2: 2388-2393.
 23. MODWI, Abueliz, **Elamin, N. Y.**, et al. Excellent Adsorption of Dyes via MgTiO₃@ g-C₃N₄ Nanohybrid: Construction, Description and Adsorption Mechanism. *Inorganics*, 2022, 10.11: 210.
 24. RAGAB, H. M., **Elamin, N. Y.**, et al. An insight into the influence of Ag/Se nanoparticles on the structural, optical, and electrical properties of Cs/PAM nanocomposites films as application in electrochemical devices. *Journal of Molecular Structure*, 2022, 1267: 133619.
 25. SMIDA, Youssef Ben, **Elamin, N. Y.**, et al. Ab initio study of the optoelectronic properties of α -Ba₂SnS₄. *Materials Science in Semiconductor Processing*, 2022, 150: 106917.
 26. ABD EL-FATTAH, Wesam, **Elamin, N. Y.** Synthesis, Spectroscopic Characterization, Molecular Docking and Biological Activity of Novel Secnidazole Metal Complexes. *Inorganics*, 2022, 10.10: 156.
 27. **Nuha Y. Elamin** and Amel Taha. Biogenic Synthesis of Copper oxides nanoparticles Using Pimpinella anisum Seed Extract Characterization and Antibacterial activity *Oriental journal of chemistry*, 2023, 39.1.
 28. **ELAMIN, Nuha Y.**; ELTOM, Egbal; RAMADAN, Rasha. Green Synthesis of Lead Oxide Nanoparticles, Characterization and Adsorption Study for Removal of Malachite Green Dye. *Asian Journal of Applied Chemistry Research*, 2023, 13.2: 16-22.