

CURRICULUM VITAE

PERSONAL DATA

Name	Fatima Adam Adam Mohamed Ali
Nationality	Sudanes
Position	Assistant professor
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EDUCATION

Year	Academic Degree	Institution
2016	Doctoral degree in Analytical Chemistry	International University of Africa
2013	Master of science - Chemistry	Gezira University
2010	Bachelor. SC. (Honors) in Scientific Laboratories (chemistry)	Sudan University for Science and Technology

WORK EXPERIENCE

Period	Position	Address
01/2018 up to Date	Assistant professor	Al Imam Muhammed Ibn Saud Islamic University College of Science - Chemistry department
8/2016 - 12/2017	Assistant professor (part time)	Princess Nora bint Abdul Rahman University College of Science - Chemistry department
2/2014 - 6/2015	lecturer	Al Imam Muhammed Ibn Saud Islamic University College of Science - Chemistry department

4/2011 -6/2012	Quality Control staff	Blue Nile Factory For Pharmaceutical Industries
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RESEARCH INTERESTS

Analytical chemistry, Pharmaceutical study and analysis, synthesis of nanomaterial and their applications, preparing of batteries.

PUBLICATIONS

1. Mansour, A., Mahmoud, M. Y., Bakr, A. F., Ghoniem, M. G., [Adam, F. A.](#), El-Sherbiny, I. M. (2023). Fortified anti-proliferative activity of niclosamide for breast cancer treatment: In-vitro and in-vivo assessment. *Life Sciences*, 121379.
2. Ghoniem, M. G., Ben Aissa, M. A., [Ali, F. A.](#) M., Khairy, M. (2022). Efficient and Rapid Removal of Pb (II) and Cu (II) Heavy Metals from Aqueous Solutions by MgO Nanorods. *Inorganics*, 10(12), 256.
3. Mansour, A., Mahmoud, M. Y., Bakr, A. F., Ghoniem, M. G., [Adam, F. A.](#), El-Sherbiny, I. M. (2022). Dual-Enhanced Pluronic Nanoformulated Methotrexate-Based Treatment Approach for Breast Cancer: Development and Evaluation of In Vitro and In Vivo Efficiency. *Pharmaceutics*, 14(12), 2668.
4. Modwi, A., Elamin, M. R., Idriss, H., Elamin, N. Y., [Adam, F. A.](#), Albadri, A. E., & Abdulkhair, B. Y. (2022). Excellent Adsorption of Dyes via MgTiO₃@ g-C₃N₄ Nanohybrid: Construction, Description and Adsorption Mechanism. *Inorganics*, 10(11), 210.
5. Moumen, A., Belhocine, Y., Sbei, N., Rahali, S., [Ali, F. A.](#) M., Mechaty, F., ... & Seydou, M. (2022). Removal of Malachite Green Dye from Aqueous Solution by Catalytic Wet Oxidation Technique Using Ni/Kaolin as Catalyst. *Molecules*, 27(21), 7528.
6. [Adam, F. A.](#) (2022). Influence of Doping-Ion-Type on the Characteristics of Al₂O₃-Based Nanocomposites and Their Capabilities of Removing Indigo Carmine from Water. *Inorganics*, 10(9), 144.
7. Hamlaoui, M., Hamlaoui, I., Damous, M., Belhocine, Y., Sbei, N., [Ali, F. A.](#) M., ... & Merazig, H. (2022). Synthesis of Two Novel Copper (II) Complexes as Potential Inhibitors of HIV-1 Protease Enzyme: Experimental and Theoretical Investigations. *Crystals*, 12(8), 1066.
8. Messiad, F. A., Ammouchi, N., Belhocine, Y., Alhussain, H., Ghoniem, M. G., Said, R. B., [Ali, F. A.](#) ... & Rahali, S. (2022). In Search of Preferential Macrocyclic Hosts for Sulfur Mustard Sensing and Recognition: A Computational Investigation through the New Composite Method r2SCAN-3c of the Key Factors Influencing the Host-Guest Interactions. *Nanomaterials*, 12(15), 2517.
9. 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.
10. Ghoniem, M. G., [Ali, F. A.](#) M., Abdulkhair, B. Y., Elamin, M. R. A., Alqahtani, A. M., Rahali, S., & Ben Aissa, M. A. (2022). Highly selective removal of cationic dyes from wastewater by MgO nanorods. *Nanomaterials*, 12(6), 1023.
11. [Adam, F. A.](#), Ghoniem, M. G., Diawara, M., Rahali, S., Abdulkhair, B. Y., Elamin, M. R., ... & Seydou, M. (2022). Enhanced adsorptive removal of indigo carmine dye by bismuth oxide doped MgO based adsorbents from aqueous solution: Equilibrium, kinetic and computational studies. *RSC advances*, 12(38), 24786-24803.

12. Belhocine, Y., Rahali, S., Allal, H., Assaba, I. M., Ghoniem, M. G., [Ali, F. A.](#) M. (2021). A Dispersion Corrected DFT Investigation of the Inclusion Complexation of Dexamethasone with β -Cyclodextrin and Molecular Docking Study of Its Potential Activity against COVID-19. *Molecules*, 26(24), 7622.
13. Abdulkhair, B., Salih, M., Modwi, A., [Adam, F.](#), Elamin, N., Seydou, M., & Rahali, S. (2021). Adsorption behavior of barium ions onto ZnO surfaces: Experiments associated with DFT calculations. *Journal of Molecular Structure*, 1223, 128991.
14. Litim, A., Belhocine, Y., Benlecheb, T., Ghoniem, M. G., Kabouche, Z., [Ali, F. A.](#) M., ... & Rahali, S. (2021). DFT-D4 insight into the inclusion of amphetamine and methamphetamine in cucurbit [7] uril: energetic, structural and biosensing properties. *Molecules*, 26(24), 7479.
15. 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.
16. Modwi, A., Abdulkhair, B. R. Y., Salih, M. E., Elamin, N. Y., & [Fatima, A. M.](#) (2019). FAST AND GREEN SYNTHESIS OF Sn/TiO₂ PHOTOCATALYST AND ITS BI-FUNCTIONAL COMPETENCE AS ADSORBENT AND PHOTOCATALYST. *Digest Journal of Nanomaterials & Biostructures (DJNB)*, 14(2).