

CURRICULUM VITAE

PERSONAL DATA

Name	Mohamed Rahmtalla Elamin Abuzaid
Nationality	Sudanese
Position	Staff member – Associate professor
E-Mail	mrabuzaid@imamu.edu.sa
Phone	00966507984498

EDUCATION

Year	Academic Degree	Institution
2009	PH.D	Sudan University of Science and Technology, Sudan.
1996	Msc	University of Khartoum , Sudan
1986	Bsc	University of Khartoum , Sudan

WORK EXPERIENCE

Period	Position	Address
2013-2023	Staff member – Associate professor	Riyadh, Kingdom of Saudi Arabia,
2007-2013	part-time lecturer. University of Khartoum – Faculty of Hygiene and Environmental Science	Khartoum, Sudan
2007-2013	: part-time lecturer of Atomic and Molecular Spectroscopy –.	Chemistry Department, Faculty of Science, University of Sudan for science and Technology, Sudan
2012 - 2013	Administrative and financial manager- Industrial research and consultancy center	Industrial Reseach and Consultancy Centre, Ministry of Science and Technology, Khartoum, Sudan.

2009 – 2012	Head of Chemical Industries Researches Department , IRCC, M. of Sc. And Technology	Industrial Research and Consultancy Centre, Ministry of Science and Technology, Khartoum, Sudan.
2009 – 2013	Coordinator of ground water technology MSc. program at Sudan Academy of Science.	Sudan Academy of Science , Ministry of Science and Technology, Khartoum, Sudan.

RESEARCH INTERESTS

1. Nanomaterials and carbon nano materials syntheses and applications.
2. Wastewater assessment and treatment using adsorption and photo catalysis techniques.
3. Synthesis of novel organic compounds , characterization and applications.
4. Extraction and purification of industrial minerals such as soda ash from local trona ores, extraction and enhancement of Bentonite from local Montmorillonite clays.

PUBLICATIONS

[Insight into Tyrosine-Containing Pharmaceuticals as Potential Inhibitors of SARS-CoV-2 3CL^{pro} and NSP16: Structural Analysis, Docking Studies, Molecular,2023, ...](#)MR Elamin, TA Yousef, AO Elzupir , Chemistry 5 (2), 762-777

[Chemical Composition, Toxicity and Repellency of Inula graveolens Essential Oils from Roots and Aerial Parts against Stored-Product Beetle Tribolium castaneum,2023, \(Her, HBJ Mayssa Ben Mustapha, Faisal K. Algethami, Mohamed R. Elamin, Babiker Y, Chemistry and biodiversity](#)

[Removal of ciprofloxacin and indigo carmine from water by carbon nanotubes fabricated from a low-cost precursor: Solution parameters and recyclability, 2023, AOE Mohamed R. Elamin a,b , Babiker Y. Abdulkhair a,c,†, Ain Shams Engineering Journal 14 \(1\), 101844](#)

[Application of Synthesized Vanadium–Titanium Oxide Nanocomposite to Eliminate Rhodamine-B Dye from Aqueous Medium,2023, MR Elamin, BY Abdulkhair, NY Elamin, KH Ibaouf, H Idriss, R Bakheit, ...](#) Molecules 28 (176), 1-16

[Excellent Adsorption of Dyes via MgTiO₃@g-C₃N₄ Nanohybrid: Construction, Description and Adsorption Mechanism](#)

A Modwi, MR Elamin, H Idriss, NY Elamin, FA Adam, AE Albadri, ...
Inorganics 10 (11), 210

[New synthetic quinaldine conjugates: Assessment of their anti-cholinesterase, anti-tyrosinase and cytotoxic activities, and molecular docking analysis](#)

M Zayene, FK Algethami, HN Abdelhamid, MR Elamin, BY Abdulkhair, ...
Arabian Journal of Chemistry 15 (11), 104177

[Low-Cost Carbon Nanoparticles for Removing Hazardous Organic Pollutants from Water: Complete Remediation Study and Multi-Use Investigation](#)

BY Abdulkhair, MR Elamin
Inorganics 10 (9), 136

- [Highly Selective Removal of Cationic Dyes from Wastewater by MgO Nanorods](#)
MABA Monira Galal Ghoniem¹, Fatima Adam Mohamed Ali^{1,*}, Babiker Yagoub ...
nanomaterials 12, 1023
- [DESIGN AND SYNTHESIS OF NEW QUINOLINE LINKED TO PYRANOTRIAZOLOPYRIMIDINES CONJUGATES AS NOVEL TARGETS TO DISCOVER PROMISING ANTI-SARS-COV-2](#)
KA Faisal, J Salma, Z Mansour, BH Naoufel, R Anis, RE Mohamed, K Lotfi, ...
Heterocycles: an international journal for reviews and communications in ...
- [Enhanced adsorptive removal of indigo carmine dye by bismuth oxide doped MgO based adsorbents from aqueous solution: Equilibrium, kinetic and computational studies](#)
FA Adam, MG Ghoniem, M Diawara, S Rahali, BY Abdulkhair, MR Elamin, ...
RSC advances 12 (38), 24786-24803
- [Spontaneous Adsorption and Efficient Photodegradation of Indigo Carmine under Visible Light by Bismuth Oxyiodide Nanoparticles Fabricated Entirely at Room Temperature](#)
M. R. Elamin¹, Khalid H. Ibnaouf², Nuha Y. Elamin¹, Fatima A. Adam¹
Inorganics 10 (65), 1-14
- [Photocatalytic Activity of Silicon Nanowires Decorated with PbS Nanoparticles Deposited by Pulsed Laser Deposition for Efficient Wastewater Treatment](#)
BBMAEK Faisal K. Algethami¹, Khaled Trabelsi², Anouar Hajjaji² ...
Materials 15 (july), 4970
- [Design, Microwave-Assisted Synthesis and In Silico Prediction Study of Novel Isoxazole Linked Pyranopyrimidinone Conjugates as New Targets for Searching Potential Anti-SARS-CoV ...](#)
MAAHBJ Faisal K. Algethami, Maher Cherif, Salma Jlizi, Naoufel Ben Hamadi ...
Molecules 26 (6103), 1-18
- [Trifluoromethylated Flavonoid-Based Isoxazoles as Antidiabetic and Anti-Obesity Agents: Synthesis, In Vitro \$\alpha\$ -Amylase Inhibitory Activity, Molecular Docking and ...](#)FK Algethami, I Saidi, HN Abdelhamid, MR Elamin, BY Abdulkhair, ...
Molecules 26 (17), 5214.

[Fast fabrication of bismuth oxyiodide/carbon-nanofibers composites for efficient anti-proliferation of liver and breast cancer cells](#)

MAA Dr. Faisal K. Algethami, Mohamed R. Elamin, Dr. Babiker Y. Abdulkhair ...
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- [Simple preparation of a sunshine-like bismuth oxyiodide nanosheets for photocatalytic degradation of organic pollutant under sunlight](#), MRE B. Y. Abdulkhair F. K. Algethami, Journal of photoelectronic and Biomedical Materials 13 (2), 57-65
- [Linear and nonlinear investigations for the adsorption of paracetamol and metformin from water on acid-treated clay](#)
MR Elamin, BY Abdulkhair, FK Algethami, L Khezami
Scientific Reports 11 (1), 1-13

- ❑ [Ultrasound-assisted green biosynthesis of ZnO nanoparticles and their photocatalytic application](#)
A Modwi, AS Al-Ayed, DE Mustafa, AA Bagabas, MR Elamin, ...
Zeitschrift für Naturforschung A 76 (6), 535-547
- ❑ [Synthesis and characterization of functionalized carbon nanofibers for efficient removal of highly water-soluble dextromethorphan and guaifenesin from environmental water samples](#)
MREAOEBY Abdulkhair
Environmental Nanotechnology, Monitoring & Management 15 (15), 100397
- ❑ [Monitoring; Management. Synthesis and characterization of functionalized carbon nanofibers for efficient removal of highly water-soluble dextromethorphan and guaifenesin from ...](#)
MR Elamin, AO Elzupir, BY Abdulkhair, Environ. Nanotechnol. Monit. Manag 15, 100397.

- [Impact of Hibiscus Extract on the Structural and Activity of Sonochemically Fabricated ZnO Nanoparticles](#), AB Kamal K Taha, A Modwi, MR Elamin, Rasheed Arasheed, Ahmed J AL-Fahad ...Journal of Photochemistry and Photobiology A: Chemistry 390 (390), 112263

- ❑ [Insight to aspirin sorption behavior on carbon nanotubes from aqueous kinetics, influence of functionalization and solution parameters](#)
MR Elamin, BY Abdulkhair, AO Elzupir
Scientific reports 9 (1), 12795
- ❑ [COMPREHENSION TO DEXTROMETHORPHAN AND GUAIFENESIN ADSORPTION ON ACTIVATED CHARCOAL FROM WATER: KINETIC AND SOLUTION PARAMETERS](#)
BY ABDULKHAIR, MR ELAMIN, AO ELZUPIR
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- ❑ [Preparation of Large Carbon Nanofibers on a Stainless Steel Surface a Growth Mechanisms](#)
MR Elamin, KK Taha, BY Abdulkhair, L Khezami
Zeitschrift für Naturforschung A 74 (3), 253-258
- ❑ [TREATMENT OF TANNING WASTEWATER WITH NANO-PHOTOCA](#)
ATOMR ELAMIN
Jr. of Industrial Pollution Control www.icontrolpollution.com 34 (1), 1882-1887
- ❑ [Structural and optical characteristic of chalcone doped ZnO nanoparticl](#)
AMMKMAKKTMAIHMEKMHHEMREOARAKH Ibnaouf
Journal of Materials Science: Materials in Electronics 29, 2791–2796
- ❑ [In situ non-catalyst synthesis of multiwall carbon nanotubes and nanofil steel cylinder](#)
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- ❑ [Effect of Urea on the Shape and Structure of Carbon Nanotubes](#)
BYAKKT M. R. Elamin
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Journal of Environmental & Analytical Toxicology 7 (5), 1-7 | | |
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MR Elamin, ME Abd El Aziz
Industrial Research Journal 7, 1-15 | | |
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