

CURRICULUM VITAE

PERSONAL DATA

Name	Mohammed Merghani Rashed Abbas
Nationality	Sudanese
Position	Assistant professor
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EDUCATION

Year	Academic Degree	Institution
2010	Ph.D. Physics	Sudan University of Science and Technology
2005	M.Sc. Physics	Sudan University of Science and Technology
1999	B.Sc. Physics	Sudan University of Science and Technology

WORK EXPERIENCE

Period	Position	Address
2023 – recent	Assistant Professor of Physics	Department of Physics, College of Science, Imam Mohammad Ibn Saud Islamic University (IMSIU), Saudi Arabia.
2012 – 2023	Assistant Professor of Physics	Department of Physics, College of Science and Humanities at Hurrymilla, Shaqra University, Saudi Arabia.
2011 – 2012	Assistant Professor of Physics	Department of Physics, College of Science and Technology, Shendi University. Sudan
2005 – 2010	A lecturer of Physics	Department of Physics, College of Science and Technology, Shendi University. Sudan
2002 - 2004	Teaching Assistant	Department of Physics, College of Science and Technology, Shendi University. Sudan

RESEARCH INTERESTS



Laser Applications and Nanotechnology.

PUBLICATIONS

- MB Mohamed, ZK Heiba, EE Ali, MM Rashed, RM Ibrahim, A Badawi
[*An Insight into the Influence of Doped Nano Tin Disulfide on the Dielectric and Radiation Shielding Attributes of Polyvinyl Alcohol/Polyvinyl Pyrrolidone Blend*](#), Journal of Macromolecular Science, Part B, 1-16, 2025
- HAM Mahmoud, LM Abdalgadir, MM Rashed, EMA Widaa, MA Alshekh, [Energy Conservation for Fluids and Radiation Beams Using Pressure Notion to Account for Thermal, Mechanical, and Frictional Collisional Energy](#), NeuroQuantology 20 (4), 389-392, 2022
- AAM Fadol, MM Rashed, LM Abdalgadir, EE Ali, [*The conditions of amplification for nano quantum diodes*](#), American Academic Scientific Research Journal for Engineering, Technology.2021
- **LMA Essam E. Ali Asim Ahmed Mohamed Fadol, Mohammed M.**, [*The Effect of Temperature on the Solar Cell Efficiency, Output Currents and Voltages*](#), Applied Physics Research 13 (2), 55-62 2021.
- ME Mohamed, MDA Allah, A Ahmed, M Fadol, MM Rashed, [*Quantum Heat Flow Model for Heat Flow in Some Nanotubes*](#), American Scientific Research Journal for Engineering, Technology, 2019.
- MMR, Asim Ahmed Mohamed Fadol *1 , Mubarak Dirar A. Allah 2, [*RAMAN AND FTIR SPECTRUM AND CHARACTERIZATION OF PMMA/KAOLINITEMIXTURE*](#), GLOBAL JOURNAL OF ENGINEERING SCIENCE AND RESEARCHES 2015.