



CURRICULUM VITAE

I. Personal Data

Name: Zoalnoon Ahmed Abeid Allah Saad

Academic Rank: Assistant Professor

Nationality: Sudanese

Languages: Arabic & English

Date of Birth: 01/01/1984

Current Contact Information:

King Khalid University, College of Arts & Sciences.
Dahran Al Janoub, Department of Physics.

Permanent Contact Information:

Shendi University, College of Science, department
of Physics, Nile Valley, Shendi, Sudan.

II. Academic Qualifications

PhD, Sudan University of Science & Technology, Sudan, Khartoum.

M.Sc., Sudan University of Science & Technology, Sudan, Khartoum.

B.Sc., Omdurman Islamic University, College of Science & Technology, Khartoum.

III. Employment History:

Assistant Professor, King Khalid University, Saudi Arabia	2017- present.
Assistant Professor, Shendi University, Sudan, River Nile Stat	2016-2017.
Assistant Professor, Shendi University, Sudan, River Nile Stat	2016-2017.
Assistant Professor, Al Butana University, Sudan, Gezira State	2016-2017.
Lecturer, Shendi University, Sudan, River Nile State	2015– 2016.
Lecturer, Sudan University of Science & Technology	2013-2015.

IV. Research Interests:

Nuclear Physics, Particle physics, Quantum Field Theory, Cosmology, Nanoparticles, and optical properties of nanostructure, nanotechnology, High-energy physics.



V. Research Publications

A. Ph.D. Thesis:

The Momentum perturbation of string theory

M.Sc. Thesis:

Theoretical & Experimental Results of Higgs Boson and the effect of Einstein Generalized Lagrangian on it

Published papers:

My research involves Quantum Field and Cosmology. This is why our group publishes multi-authored papers. In addition to being responsible for perturbation Theory and String Theory, has also been utilized in these publications. Based on Google scholar metrics, my papers have many citations.

1. Dirar Abdallah, M., Abdelrahman Khalid, N., Ahmed Abeid Allah, Z., & Ahmed Elhour, S. (2018). MAXWELL EQUATION AND LORENTZ TRANSFORMATION IN A CURVED SPACE FOR FIELDS AND FREE SPACE ON THE BASIS OF MAXWELL'S EQUATIONS. Global Journal of Engineering Science and Researches, 5(3), 86-90.
2. Abdelrahman Khalid, N., Dirar Abdallah, M., Ahmed Abeid Allah, Z., & Ahmed Elhour, S. (2018). LORENTZ TRANSFORMATION FOR FREE SPACE AND FIELDS USING MAXWELL'S EQUATIONS AND NEWTON'S LAWS. GLOBAL JOURNAL OF ENGINEERING SCIENCE AND RESEARCHES, 5(3), 80-85.
3. Saad, Z. (2016). Second Order Field Dependent Lagrangian & its Effect on Higgs Field. <http://www.Elixirpublishers.Com/index.>, (92), 39264-39265.
4. M Abdalgadir, H., Dirar, M., A Abeid Allah, Z., & M Abdalgadir, L. (2016). Second, order Lagrangian, electromagnetic field. Journal of Scientific and Engineering Research.
5. Saad, Z. A. A. A. (2016). Standard Model & Quantum Theory Based on Momentum Perturbation (Doctoral dissertation, Sudan University of Science and Technology).
6. Allah, A., & Ahmed, Z. (2013). Theoretical & Experimental Results of Higgs Boson and the effect of Einstein Generalized Lagrangian on it (Doctoral dissertation, Sudan University of Science and Technology).

Conference Papers



VI. Teaching experience

Undergraduate courses taught at KKU:

Phy104:	General Physics
Phy232:	Wave & Vibrations
Phy326:	Electromagnetic Theory-1
Phy331:	Electromagnetic Theory-2
Phy330:	Light & Optics
Phy461:	Atomic physics & Spectra
Phy481:	Nuclear Physics-1
Phy482:	Nuclear Physics-2
Phy483:	Nuclear Physics Practical
Phy491:	Special Topics
Phy492:	Graduation Project

VII. Teaching Philosophy:

My teaching strategy and Philosophy are centered on teaching the dynamic processes of physics specifically in theoretical nuclear sciences. My teaching also based on action learning process based of the use of the real regional and global problems related to different disciplines of physics and means of problems solving solutions. The action learning is one of the educational process by which a person studies his or her own action and experience to improve performance by solving and finding solutions of some problem related to the subject. In addition, I have used examples to actual global problems in reference to our current knowledge and designed research for undergraduate and graduate projects. I believe that this philosophy of teaching has enabled me to reach the students in their understanding the value of the subject. I always try to provide knowledge to the students at an international level and encourage them to enjoy learning science through critical thinking enabling them to solve puzzles and problems related to their team with close guidance while conducting experiments inspiring and guiding them to exploit their knowledge in



the use of available resources whenever possible. Such mode of active learning has always motivated the student to utilize valuable information for their future careers. The primary challenge in my teaching approach is devising new and creative ways to design research project. This approach is intended to create interest among student so that they are eager to find new means and ideas to their overall understanding of current problems in our region for possible solutions. In addition, my goal is also for continuous improvement of my courses by incorporating the use of multimedia including on-line web based applications and use of computer software to enhance the learning experience of the students. This interactive process of teaching is perhaps the most rewarding part of my work.

