Curriculum Vitae

Full Name: Eldakli Mohsan Salah Amara

Ph.D; Assistant Professor, in Plasma Physics.

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Education

- 1998 Graduated at High School in Libya
- 2002 BSc degree in Physics, Zawia University, Libya
- 2011 MSC degree in Physics, Faculty of Physics, University of Belgrade, Serbia
- 28-12-2017 PhD in Physics, University of Belgrade, Serbia.

Employment

- Teaching Plasma Physics, Electromagnetic theory, Electricity, Mathematical methods of Physics Courses for undergraduate students at Faculty of Physics, Zawia university, Libya.
- Teaching Electrodynamics, Mathematical methods of Physics Courses for graduate students at Faculty of Physics, Zawia university, Libya.
- Teaching A Classical Electrodynamics Courses for graduate students at Department of Physics, The Libyan Academy for Postgraduate Studies, Libya.
- Supervisor of graduation theses for Postgraduate students.
- Head of the department of Physics at Zawia University from October 2022 to October 2024.
- A member of academic staff at Department of Physics, The Libyan Academy for Postgraduate Studies, Tripoli, Libya.

Research interests

Theoretical Physics, Plasma Physics.

List of Publications

- •An Extension of the Kelvin Image Theory to The Conducting Heaviside Ellipsoide. Progress in Electromagnetics Research M, Vol.18, 233-246,2011.
- •Image charge inclusion in dielectric sphere revisited, Eur.J.Phys.33(2012) 1751-1759.
- Optogalvanic effect and laser-induced current oscillations in hollow-cathode lamps, European Journal of Physics, 38 (2017) 025210
- Generalized Lorentz model description-Caputo-Fabrizio fractional derivative approach, of electrical, dielectric, conductive and magnetic processes in materials, Advanced Ceramics and Application VIII Conference, Serbia, Belgrade, 23-25. September 2019.
- Linear Fractional Distributed Order Based Derivative and Entropy, ISTJ, Vol 25, 2519-9846, 2021.
- Methods of preparation nanoparticles TiO2 Thin Film, Journal of Faculties of Education, the Twenty-Two issue July 2021.
- Generalization of the Drude model, ISTJ, Vol 25, 2519-9846, 2021.
- Estimation the Radiological Hazard Effects for Soil Samples of Ajmail city, Libya ISTJ, Vol 30, 2519-9846, 2022.
- FRACTIONAL MOMENTUM BALANCE EQUATION FOR A VARIABLE-MASS DYNAMICS, Utilitas Mathematica, ISSN 0315-3681 Volume 122 (2), 2025.
- Chemical Analysis and Immersion Testing of a Hydrocarbon Film (Benzene) After Deposition on Glass Slides Using Plasma-Enhanced Chemical Vapor Deposition (PECVD), Libya ISTJ, Vol 37, 2519-9846, 2025.