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EDUCATION

Bachelor's degree from Beni-Suef University, Faculty of Science, special physics — 2016

Master's Degree from Laser Institute for Research and Applications- Beni-Suef University — 2022

Masters' thesis tittle

Effect of nonlinear characteristics of directly modulated laser diode on subcarrier multiplexing radio-over-fiber systems

Scientific Department

- Laser Interaction with Matters

Academic Degree

- Assistant Lecturer

Published paper

- El-Salam, Y. A., Mohamed, T., & Mahmoud, A. (2022). Effects of two-tone intensity modulation on signal distortion and noise in a semiconductor laser for radio-over-fibre applications.*Pramana*, *96*(3), 151.

- Mahmoud, A., Abd El-Salam, Y., Ahmed, M., & Mohamed, T. (2022). Effect of fiber properties and dispersion management on distortions associated with two subcarriers modulation of laser diode in radio over fiber systems.*The European Physical Journal D*, *76*(11), 229.

- Abd El-Salam, Y., Adday, H. D., Abdel Samad, F., Qayyum, H., & Mohamed, T. (2024). Using Femtosecond Laser Pulses to Explore the Nonlinear Optical Properties of Ag/Au Alloy Nanoparticles Synthesized by Pulsed Laser Ablation in a Liquid. *Nanomaterials*, *14*(15), 1290.

- Ashour, M., Ibrahim, R., Abd El-Salam, Y., Abdel Samad, F., Mahmoud, A., & Mohamed, T. (2024). Using Femtosecond Laser Light to Investigate the Concentration-and Size-Dependent Nonlinear Optical Properties of Laser-Ablated CuO Quantum Dots.*Nanomaterials*, *14*(20), 1674.

- Abdel Samad, F., Ali Jasim, M., Mahmoud, A., Abd El-Salam, Y., Qayyum, H., Apsari, R., & Mohamed, T. (2024). Experimental Investigation of the Optical Nonlinearity of Laser-Ablated Titanium Dioxide Nanoparticles Using Femtosecond Laser Light Pulses. *Nanomaterials*, *14*(23), 1940.

- Fouad, N., Mahmoud, A., Samad, F. A., Abd El-Salam, Y., Ashour, M., Apsari, R., & Mohamed, T. (2024). Utilizing the 2nd harmonic Nd: YAG laser ablation in liquid for the production of copper oxide quantum dots: Influence of laser fluence and ablation duration.*Physica B: Condensed Matter*, *694*, 416453.