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## **EDUCATION**

Cairo University, Faculty of science, Physics department.

**Ph.D. of physics** **2015**

[Synthesis and characterization of Cerium oxide nanoparticles for free radical scavenging]

Tanta University, Faculty of science, physics department.

**M.Sc. in Laser physics** **2007**

[Laser interferometric method for studying the physical properties of binary gas mixtures]

## **PREVIOUS EXPERIENCE**

Engineering institute, Thebes academy.

**[Instructor, Senior Teaching Assistant, Assistant Professor] 2007 till now**

**[Manager of the quality assurance unit] 2016 to 2018**

## **LANGUAGES**

[Arabic – native language]

[English – very good speaking and read/write]

## **PUBLICATIONS**

1. Mai M. El-Masry, M. A. Ahmed, S. T. Bishay, *Ionizing Radiation Effect on the Catalytic Properties of Cerium Oxide Nanoparticles*, Research & Reviews: Journal of Material Sciences, 6(2019)259.
2. Mai M. El-Masry, Rania Ramadan, M.K. Ahmed, The effect of adding cobalt ferrite nanoparticles on the mechanical properties of epoxy resin, Results in Materials, 8(2020) 100160.

3. M. A. Ahmed, S. T. Bishay, Mai M. El-Masry, *Structural and topographic study of ceria nanoparticles prepared via different techniques*, Superlattices and Microstructures, 77(2015)240.
4. M. A. Ahmed, Samiha. T. Bishay, Mai. M. El-Masry, *Optimum Conditions for the use of Ceria Nanoparticles as UV absorber*, WSP International Conf. Proc. MTPR-9914 (2015)014.
5. N. M. Abdelmoniem, M. M. Elmasry, B. Elbradie, and F. M. Elmekawy, *Physical Properties For Ar-Kr Binary Gas Mixture By Laser Interferometry*, AIP Conference Proceedings, 1172(2009)1.
6. N. M. Abdelmoniem, M. M. Elmasry, B. Elbradie, and F. M. Elmekawy, *Laser Interferometric Measurements of the Physical Properties for He, ne Gases and Their Mixture*, Laser Science and Applications: Proceedings of the Sixth International Conference, (2010).