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Education:

- **M.Sc.** Master's degree of laser application and technology , Department of applied science , University of technology, Iraq (2023). The Title of a thesis " Spectroscopic study and Structural characterization of Ag nanoclusters dispersed in a silica sol-gel host " [Graduation Grade Average (Course & Thesis) 82.8285%]
- **B.Sc.** Department of physics , College of Science , University of Baghdad, Iraq (2019).

Profile:

- Assist. Lecturer, optics techniques department, Al-Farabi University "now"

Publications

Research papers:

- 1- Tabarak A. Al-Mashhadani, Firas J. Kadhim, (2023)** Photoluminescence properties of silver-dysprosium co-doped silica 4 obtained by sol-gel method, **Journal of Sol-Gel Science and Technology**.
- 2- Tabarak A. Al-Mashhadani, Firas J. Al-Maliki, (2023)** Effect of Silver Colloidal Concentration on Morphology of Silver Nanostructures Prepared by Chemical Reduction Method, **IRAQI JOURNAL OF APPLIED PHYSICS LETTERS**, Vol. (6) No. (1), pp. 3-6.
- 3- Tabarak A. Al-Mashhadani, Firas J. Al-Maliki, (2022)** Optimized Characteristics of Silver Nanoparticles Synthesized by Chemical Reduction and Embedded in Silica Xerogels , **IRAQI JOURNAL OF APPLIED PHYSICS**, Vol. (18), No. (3), pp. 25-30.