

**Assist. Lecturer: Zahraa ali jabar**

**Department of Optics techniques**

**MSC: Thin Film**

**Email: zahraa.ali@alfarabiuc.edu.iq**



**Education:**

**MSc, University of THI-QAR Year 2017**

**BSc, University of THI-QAR Year 2013**

**Profile:**

- 1- 2017/2018 External lecture at the faculty of science physics department THI-QAR university
- 2- 2017/2018 External lecture at the faculty of Education physics department THI-QAR university
- 3- 2018/2019 Teaching contract at AL-Imam AL-kadhim collage department of computer technology engineering
- 4- 2019 AL-farabi national university collage department of optics techniques

**Teaching**

- 1- **Research methods:** introducing the student to how to conduct a graduation research
- 2- **Medical glasses:** introducing the student to how glasses work and their types and writing the prescription
- 3- **Medical physics :** introducing the student to how to link physics to medicine

**Research Focus**

- 1- **Previous fields:** applications of thin films in physics
- 2- **Current areas:** application of thin film in medicine

## **Publications**

**1-Effect of aluminum doping on ZINC oxide thin film properties synthesis by spin**

**coating method**

**2-preparation and study of the properties of gold nanoparticles for antibacterial**

**applications**