

Curriculum Vitae

Nisreen Khalid Fahad

Mustansiriyah University – College of Science- Physics Department

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PERSONAL SUMMARY:

Full Name: Nisreen Khalid Fahad

Place of Birth: Iraq

Date of Birth: 25/6/1994

Gender: Female

Nationality: Iraqi

Religion: Moslem

Marital Situation: Single

EDUCATION:

1. Ph.D. Physics, **2022**, College of Science, Mustansiriyah University, Iraq.
2. M.Sc. Physics, **2019**, College of Science, Mustansiriyah University, Iraq.
Grade: Very good (Order: 1st/11 with average marks = 88.05 %)
3. B.Sc. Physics **2016**, College of Science, Mustansiriyah University, Iraq.
Grade: Very good (Order: 1st/88 with average marks = 89.98 %)

PRACTICAL EXPERIENCE:

1. Synthesis of II-VI compound semiconductor for water purification.
2. Using electronic furnaces in the laboratory.
3. Using I-V and C-V calculators by Source Meter Unit Instrument (SMU).
4. Measurements of the Photoluminescence (PL).
5. Characterization of optical spectroscopy and Structural properties.
6. Characterization of photoactivity of semiconductors.

PUBLICATIONS:

1. Fabrication of Superhydrophobic Surface of ZnO Thin Films by Using Oleic Acid, *American Journal of Nanosciences*.
2. Oleic acid-modified superhydrophobic ZnO nanostructures via double hydrothermal method, *Journal of Adhesion Science and Technology*

3. Study of Some Mechanical and Physical Properties of PMMA Reinforced with (TiO₂ and TiO₂-GO) Nanocomposite for Denture Bases, *Journal of Polymer Research*.
4. Preparation and characterization of reduced graphene oxide incorporated ZnO nanorods for supercapacitor application, *International Journal of Nanoscience*.

Patent:

1. طريقة جديدة لتحضير سطح أكسيد الخارصين النافر للماء
2. طريقة جديدة لتحضير سطح أكسيد الالمنيوم النافر للماء مع حامض الزيت



Skills

- The ability to teach and deliver information in the simplest form.
- The use of electronic platforms such as (Google Classroom and Edmodo), as well as the use of zoom and Google meetings.
- The use origin program.
- They use Microsoft office software such as (Word, PowerPoint, and Excel).
- Five years of experience in pathologist analyses.
- I did a study on the dentures bases by using PMMA reinforced with nanomaterials.
- I can study: laser engineering, Medical physics, Electronic circuits, Mechanical, optic, electric, Maths, and Mathematical Physics.