



**Full Name:** Jafer Fahdel Odah

**Place of Birth:** Iraq / Baghdad

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IRAQ

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### ACADEMIC SCIENTIFIC RANK

- Assistant Professor (Physics of laser and molecular) at 7-1-2018.
- Lecturer (Physics of laser and molecular) at 5-1-2015.
- Assistant Lecturer (Space and astronomy) at 2004.

## **QUALIFICATION**

- **Ph.D. ( Physics of laser and molecular), Baghdad University, Iraq (2015)**
- **M.Sc. (Space and astronomy), Baghdad University, IRAQ (2004).**
- **B.Sc. (Physics), Baghdad University, IRAQ (2000).**

## **Title of the PhD Thesis**

**Scattering particles effect on characterization of organic dye compounds**

## **Title of the MSc Thesis**

**Organic and inorganic sample of the absorbance at (10 $\mu$ m) in the external galaxies**

## **POSITION HELD**

**Deputy of the dean of college of science**



**COURSES TAUGHT**

**A- UNDER GRADUATE**

No.	Subject	Study Stage	Department
1	Mechanics	First	Physics
2	English language	First	Physics
3	Sound Physics	Second	Physics
4	Mathematics	First, Second	Physics
5	Analytical mechanics	Second	Physics
6	Analog and digital electronics	Second	Physics
7	Laser physics	Third	Physics
8	Molecular Physics	Third	Physics
9	Photo physics	Fourth	Physics
10	Philosophy of science	Fourth	Physics
11	Molecular spectroscopy	Second	Medical physics
12	General physics	First	Environment science
13	Medical physics	First	College of medicine

**B- POSTGRADUATE**

No.	Subject	Study Stage	Department
1	Advanced classical mechanics	M.Sc.	Physics
2	Laser and plasma interaction	M.Sc.	Physics

**C- PUBLICATIONS**

PAPERS	
1	The composition of interstellar dust toward the source NGC253
2	اعتماد المادة ما بين النجوم بواسطة حبيبات البكتريا
3	Fractal tree dipole antenna
٤	Determination of the transport mean free path and spectroscopic properties of TiO <sub>2</sub> :keton red dye doped in silica like glass as random gain medium
٥	Studying the Structure, the Electric and Magnetic Properties of Ni-Zn Ferrites
٦	The Effects of Additive TiO <sub>2</sub> Nanoparticles on the Energy Gap of DCM Doped with PS Thin Films
٧	Synthesis and spectroscopic properties of silica nanoparticles as scatter center in random gain porous media
٨	Effects of laser pulse energy and annealing process on physical properties of nanostructured SiO <sub>2</sub> prepared by pulse laser deposition
٩	Role of Sintering, Co-particles on Properties of Milled Al-Zn-Mg-Cu' Matrix Produced via PM
١٠	Preparation and Characterization of Polymer Blend (PVA/PEO) Filled with Methyl Orange Thin Films
11	A Stable Dual-Wavelength Erbium Doped Fiber Laser Based on Photonic Crystal Fiber and Tapered Optical Fiber
12	Ni/Al7475 Surface Composites fabricated by Friction Stir Processing

**D- CONFERENCES**

1	1st International Conference on Materials Engineering & Science (IConMEAS 2018)
2	2nd Al - Sadiq International Conference on Multidisciplinary in IT and Communication Science and Technologies

