



# Anwar Mustafa Ezzat Alfaidhi

**Prof. Dr. in Molecular Physics**

## Profile

More than 29 years as a knowledgeable and effective Physicist working with individual, group, and facilities, tow patents : Patent no. 3703 – international index C10G61/00 in 2013 Patent no. 6301- international index H01L33/36 and More than 65 certificates of thanking and appreciations • Member of editorial board of American Journal of Nano Research and Applications(NANO) since July 27, 2020 till now

## Employment History

Lecturer at University of Mosul, IRAQ  
Dec. 1992 – now

Vise dean of college of Science for the administration affairs 2003-2011  
Vise dean for the Scientific Affaires 2011-2014  
Tha acting Dean of college of Science 2018-2019

## Education

- The grades**
- 1. **B. Sc. In physics –college of Science – Mosul university 1988**
- 2. **M. Sc. In Nuclear physics – college of Science – Mosul 1992**
- 3. **Ph.D. in Molecular Physics - college of Science – Mosul 1998**
- Scientific Title: Professor since 2008**

## Courses

- In teaching methods
- In visual basics
- In human rights
- Quality assurance
- international work shop with TU – Dortmund in 2017 and 2018
- workshop in modular system 2019
- workshop in type of characters

## Conferences

- Astrominal conference in Mosul university 1999
- The depleted Uranium in Mosul university -2001
- 1<sup>st</sup> chemical conference in Mosul university -2008
- 2<sup>nd</sup> chemical conference in Mosul university -2011
- The scientific conference in nanotechnology – the university of Technology – Baghdad -2013
- The 6<sup>th</sup> scientific conference for basic education in Mosul university -2013
- The international Scientific conference in Medicine in Dohuk university – April 2016

## Details

Iraq-Mosul  
07705937166  
[Prof.dr.anwar@uomosul.edu.iq](mailto:Prof.dr.anwar@uomosul.edu.iq)

## DATE / PLACE OF BIRTH

1966/08/1  
IRAQ

## DRIVING LICENSE

Full Iraqi License

## Social Profiles

**ResearchGate**  
[https://www.researchgate.net/profile/Anwar\\_Al-Faidhi](https://www.researchgate.net/profile/Anwar_Al-Faidhi)

**LinkedIn**  
<https://www.linkedin.com/feed/>

## Skills

- Published papers: 26
- Supervised postgraduate students 5 Ph.D. and 6 M.Sc.
- published a guide for post graduate students
- Major topic subjects General physics for the 1st class, nuclear physics, molecular physics, plasma physics, group theory, collision theory molecular quantum mechanics and programing.
- Member of editorial board of American Journal of Nano Research and Applications(NANO) since July 27, 2020 till now

## Languages

Arabic

English

## Hobbies

Reading books



1. In teaching methods
2. In visual basics
3. In human rights
4. Quality assurance
4. international work shop with TU – Dortmund in 2017 and 2018
5. workshop in modular system 2019
6. workshop in type of characters



## Resent Publications

The Published papers are:

1. Nuclear levels of  $Er^{166}$   
Raf. Jour. Sci. Vol.7 no. 1 pp. 159-172, 1996
2. Measurements of thermal diffusion factor and intermolecular potential depth for the nuclear isotopes  $N_2$  and Ar  
J. Edu. Sci. Vol. 88, p.75, 1999
3. Preliminary study of air pollution in Mosul city  
Tikreet Sc. J., Vol. 6, Iss. 3. 2000, pp.10
4. Study of Sulfur dioxide molecular concentration over Mishraq mine area.  
J. Edu. Sci. Vol. 46, 2000, p. 116
5. Determination of air pollution elements in some sites of Mosul (Badosh cement factory) using x- ray fluorescence  
Raf. Jour. Sci. Vol.11, no. 4, pp. 132-135, 2000
6. Experimental measurement of molecular force parameter for Ar –  $CO_2$  gas mixtures  
Raf. Jour. Sci. Vol.16, no.1, pp. 75-80, 2005
7. Calculation of thermal diffusion factor of multi component organic liquid  
Raf. Jour. Sci. Vol. 17, No. 1, pp. 82-94, 2006
8. Design and construction of thermal diffusion column heated by the flow of recycled water and used to calculate thermal diffusion factor for Ethanol – Distilled water mixture.  
College of Basic Education Researchers journal vol. 1 No.4, 2004
9. The effect of mixing ratio on thermal diffusion factor by the separation of liquid binary mixture  
Basic Education Researchers journal vol. 2 No. 1, 2005
10. Calculation of Thermal Diffusion Factor for Liquid Mixture in a two bulb system  
Raf. Jour. Sci. Vol. 17, No. 2, pp.31-36, 2006
11. Molecular Reform of Hydro Carbonic Liquid by Microwaves, Raf. Jour. Sci. vol. 17 no. 2 pp. 45-61, 2006
12. determination of optimum power of CW molecular laser  $CO_2$ .  
J. of education and Science vol.19, no. 4 . 2007.
13. Electron impact ionization and UV absorption study of  $\alpha$  and  $\beta$  Pinene  
International Journal of Mass Spectrometry 280 (2009) 169–173.
14. PHOTOLYSIS AND LIFETIME OF  $NO_2$ ,  $N_2O$  AND  $HNO_3$  USING ANALYTICAL SOFTWARE PROGRAM  
Modern Physics Letters B, Vol. 23, No. 14 (2009) 1–16
15. "The Effect of Deposition Plasma Current for Gold Nano Thin Film on Bacteria Using Cold Plasma Sputter"  
International Journal of Advanced Research (2014), Volume 2, Issue 1, 966-977
16. " Fabrication of Si-CNT Junction by Plasma Sputtering of Graphite Rods on Silicon Wafers " International Journal of Advanced Research (2014), Volume 2, Issue 2, 108-113
17. The Effect of Nano Thin Film Gold on Bacteria Using Cold Plasma Sputter "Anwar M. E. Alfaidhi, Hiyam A. Al-Taii & Dilshad S. Ismael, International Journal for Sciences and Technology / ICV: 4.32 Vol. 9, No.1, March 2014, 75-80
18. " Spectrometry of Liquid Separation by Laser  $CO_2$  "Ahmed E. Thanon and Anwar M. Ezzat, International Journal for Sciences and Technology / ICV: 4.32 Vol. 9, No.1, March 2014 140-145
19. " The Role of Sputtering Current on the Optical and Electrical Properties of Si-C" Mohammad M. Uonis, Bassam M. Mustafa, Anwar M. Ezzat\*, World Journal of Nano Science and Engineering, 2014, 4, 90-96
20. " Preparations of Nd:TiO<sub>2</sub> as Laser active medium by Sol-Gel method " Mohammed Alwan Hamzah, Anwar M. Ezzat, Majida A. Ameen , Hanaa M. Yaseen and Mnaa I. Khalif , International Journal of Application or Innovation in Engineering & Management (IJAEM) , Volume 3, Issue 5, May 2014.

21. " Spectroscopic properties of Nd<sup>3+</sup>: TiO<sub>2</sub> synthesis by Sol-Gel " Mohammed Alwan Hamzah, Anwar M. Ezzat, Majida A. Ameen, Hanaa M. Yaseen and Abbas A. Salih Al-Alhamdani, *International Journal of Application or Innovation in Engineering & Management (IJAIEM)*, Volume 3, Issue 5, May 2014.
22. "The effect of Carbon layer thickness on the electrical and optical properties of Si-CNT junction" *International journal for sciences and technology* vol. 9, No. 2, June 2014.
23. " The Effect of Carbon Rod—Specimens Distance on the Structural and Electrical Properties of Carbon Nanotube " Mohammad M. Uonis, Bassam M. Mustafa, Anwar M. *World Journal of Nano Science and Engineering*, 2014, 4, 105-110.
24. "The Attenuation of Gamma-ray by doped azo polymers with nano Oxide metals" was accepted by *International Journal of Scientific & Technology Research [ INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH VOLUME 5, ISSUE 04, APRIL 2016 ISSN 2277 – 8616]*.
25. " EFFECT OF HEAT AND LIGHT ON ELECTRICAL PROPERTIES OF SI-CNT JUNCTION " *Malaysian Journal Of Science* 39(3): 65-73 (October 2020).
26. " Temperature and Periods of Annealing Effect on ZnTe Energy Gap" *International Journal of Science, Engineering and Technology* ISSN (Print): 2395-4752, VOLUME 8 Issue 5, Sep. 12,2020.
27. " Preparation of ZnTe thin films using chemical bath deposition technique " *NANOCOMPOSITES* 2020, VOL. 6, NO. 4, 165–172. <https://doi.org/10.1080/20550324.2020.1865712>