



# HAITHAM M. MIKHLIF

Lecturer

## PERSONAL INFORMATION

Place of Birth: Baghdad, Iraq

Date of Birth: 16/7/1974

Gender: Male

Country of Origin: Iraq

Citizenship: Iraqi

Current position: Member of Teaching Staff at Department of Physics, College of Science, Mustansiriyah University, Baghdad, Iraq

## RESEARCH INTEREST

Spectroscopy, Laser, Material Science, communication and Biophysics.

## LANGUAGES

Arabic (native Language), English

## CONTACT

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 [Google Scholar](#)

 [Research Gate](#)

 [ORCID](#)

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## HOBBIES

 Reading

 Football

 Photography

 Traveling

## EDUCATION

- M.Sc. in Physics in April 2001 from Mustansiriyah University, Baghdad, Iraq [1998-2001].
- B.Sc. in Physics in July 1998 from Mustansiriyah University, Baghdad, Iraq [1993-1998].

## WORK EXPERIENCE

- Working on the effect of quenching on the spectroscopic characteristics of laser dye [1999-2001].
- Working on operation and maintenance of spectrometers and spectrophotometers devices since 1999.
- Reviewer in some international scientific Journals.

## SKILLS

Computer: Excel, Power Point, Word, Access, Internet.

## CERTIFICATIONS

- A course in the Computer Center at Mustansiriyah University, Baghdad in 2001.
- Internet and Computing Core Certification (IC3), 2011.

## TEACHING EXPERIENCE

1- I have taught the following subjects:

- General Physics.
- Principles of Electronics.
- Principles of Laser.
- Thermodynamic.

2- Instructor in the following Laboratories:

- Electronics.
- Optics.
- Classical Mechanics
- Electricity
- Atomic Physics.
- Solid State Physics.
- Nuclear Physics.



## MEMBERSHIP IN SOCIETIES AND SCIENTIFIC BOARDS

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- Member of editorial board of Iraqi Journal of Applied Physics since 2004.
- Member of editorial board of Iraqi Journal of Applied Physics Letters since 2008.
- Member of the Iraqi Society of Physics and Mathematics since 1998.
- Member of Iraqi Society for Alternative and Renewable Energy Sources and Techniques since 2005.



## PUBLICATIONS

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- (1) O. A. Hamadi, H. M. Mikhlif, M. A. Ahmed; "Pulsed Laser Generated by Nonlinear Mixing Communication Applications", The 10th International Conference on Nonlinear Optics of Liquids and Photorefractive Crystals, October 3-8, 2004, Alushta, Crimea, UKRAINE.
- (2) O. A. Hamadi, H. M. Mikhlif, M. A. Ahmed; "Ultra-short Pulsed Laser Generated by Four-Wave Raman Mixing Communication Applications", XV International Symposium on Gas Flow and Chemical Laser & High Power Laser Conference GCL/HPL 2004, 30 August-3 September 2004, Prague, Czech Republic.
- (3) H. M. Mikhlif; "Illumination and Dark Current – Voltage Characteristics of Polymer–Silicon Heterojunction Solar Cells", Iraqi Journal of Applied Physics Letters, Vol. 2, No. 1, 2009, 15-18.
- (4) H. M. Mikhlif, M. T. Husain. S. J. Lafta; "Effect of Oxygen Quencher on Absorption and Fluorescence Spectra of Rhodamine-6G and Rhodamine-B in Ethanol Solvent ", Iraqi Journal of Applied Physics, Vol. 1, No. 1, 2005, 15-19.
- (5) A. N. Abed, H. M. Mikhlif, M. J. Mohammed; "Design Solar Box Cooker with Low Cost Materials", Journal of basic education.
- (6) A. H. Sallomi, H. M. Mikhlif, S. R. Salim; "Linear Adaptive Antenna Array Geometry Effects on Radiation Pattern", Iraqi Journal of Applied Physics Letters, Vol. 3, No. 1, 2010, 3-6.
- (7) O. A. Hamadi, H. M. Mikhlif, M. A. Al-Ani; "Characterization and Photoelectric Properties of Semiconducting Cuprous Oxide Films Deposited by Electrodeposition Technique", The 2th conference of nanotechnology & advanced materials, November 3-4, 2010, University of Technology, Baghdad, Iraq.
- (8) Randa M. Dhahi, Haitham M. Mikhlif; "The Relation Between Body Mass Index And Lipid Profile In Iraqi Population", Journal of Education and Scientific Studies, Vol. 12, No. 1, July 2018, 127-141.
- (9) Randa M. Dhahi, Zeena G. Faisal, Haitham M. Mikhlif; "Green Biosynthesis of Silver Nanoparticles Using Aqueous Extract of citrus sinensis Peel", Journal of Education and Scientific Studies, Vol. 13, No. 4, March 2019, 119-132.
- (10) Randa M. Dhahi, Haitham M. Mikhlif; "Ecofriendly Route for Waste Upcycling and silver Nanoparticles synthesis from citrus reticulata Peel", International Journal of Nanoelectronics and Materials, Vol. 12, No 3, July 2019, 349-356.
- (11) Safaa F. Madlul, Ahmed N. Abd, Haitham M. Mikhlif; "Phase Investigation of Nitinol SMA According to Melting Method", NeuroQuantology, February 2020, Volume 18, Issue 2, Page 73-76.
- (12) Raghad S. Mohammed, Haitham M. Mikhlif, Waleed J. Mhana; "Evaluation Cross Section of Production for Indium Medical Radioisotopes"; Technologies and Materials for Renewable Energy, Environment and Sustainability AIP Conference Proceedings 2307, 020002 (2020).

- (13) Haider A. Kadhum, Mazin Ali A. Ali, Haitham M. Mikhlif; "Investigation of Modulated Signal Transmission in Optical Fiber Irradiated by Gamma Photons"; *Nonlinear Optics, Quantum Optics*, Vol. 53, pp. 311–322, 2021.
- (14) Haitham Mawlood Mikhlif, Mazin Ali A. Ali, Zeyad A. Saleh; "Underwater wireless optical communication: a case study of chlorophyll effect"; *Journal of Optical Communications*. 2021.
- (15) Haitham M. Mikhlif, Mohammed O. Dawood , Oday M. Abdulmunem, Mohanad K. Mejbek; "Preparation of High-Performance Room Temperature ZnO Nanostructures Gas Sensor"; *ACTA PHYSICA POLONICA A*, Vol. 140, No. 4, 2021.
- (16) Fatin H. Mohammed, Haitham M. Mikhlif; "Optical, Structural, Morphological Properties of Chromium (III) Oxide Nanostructure Synthesized Using Spray Pyrolysis Technique"; *Iraqi Journal of Physics*, Vol. 19, No. 51, PP. 79-86, 2021.