



HAITHAM MAWLOOD MIKHLIF

Assistant Professor

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, nanotechnology, material science and communications.

LANGUAGES

Arabic (native language), English

CONTACT DETAILS

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HOBBIES

Reading
Football
Photography
Traveling
Gardening



EDUCATION

- M.Sc. in physics from Department of Physics, College of Science, Mustansiriyah University, Baghdad, Iraq (2001).
- B.Sc. in physics from Department of Physics, College of Science, Mustansiriyah University, Baghdad, Iraq (1998).



WORK EXPERIENCE

- Working on operation and maintenance of spectrometers and spectrophotometers devices since 1999.
- Reviewer in some local and international scientific journals.



SKILLS

- Lesson planning.
- Curriculum development.
- Computer skills.
- Foreign languages.
- Peer review.
- Collaboration.
- Interpersonal communication.
- Attention to detail.
- Organization.



CERTIFICATIONS

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



TEACHING EXPERIENCE

- I have taught the following subjects:
 - General physics.
 - Principles of electronics.
 - Principles of laser.
 - Thermodynamic.
- Instructor in the following laboratories:
 - Electronics.
 - Optics.
 - Classical mechanics
 - Electricity
 - Atomic physics.
 - Solid state physics.
 - Nuclear physics.



MEMBERSHIP OF SOCIETIES AND SCIENTIFIC BOARDS

- 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

- (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. Mejbil; "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.
- (17) Atheer A. Mahmood, Haitham M. Mikhlif, Oday A. Hammadi; "Fluorescence Characteristics of Highly-Pure Nanoparticles Embedded in Dye Complexes for Random Laser Design", *Iraqi Journal of Applied Physics*, Vol. 18, No. 2, April-June 2022, pp. 27-32.
- (18) Randa Mohammed Dhahi, Mohammed Majeed Mohammed, Haitham Mawlood Mikhlif; "Biowaste Valorization of Palm Tree *Phoenix dactylifera L.* for Nanocellulose Production", *IET Nanobiotechnology*, Volume 2024, Article ID 7867463, 7 pages.
- (19) Shayma M. Ahmad, Farah M. Ibrahim, Amer Adnan Hasan, Haitham Mawlood Mikhlif, Rasha Saad Jwad, Zamzam Alhuwaymil, Sohad A. Alshareef, Mohammed S. S. Alyami, Mohammed H. Al-Mashhadani, Srikanth Kommanaboyina; "Fluorescent properties of chitosan-stabilized bisdemethoxycurcumin-silver nanoparticles: Synthesis and characterization", *Results in Chemistry* Volume 10, August 2024, 101719.