CURRICULUM VITAE



Name: Dr. Layla Mohammed Hassan Al-Ameri

Date and Place of Birth: March 24th 1972, Iraq.

Nationality: Iraqi

Marital Status: Single

Address: Institute of laser for Postgraduate Studies, University of Baghdad, Jadirya, Baghdad, Iraq.

E-mail: layla@ilps.uobaghdad.edu.iq

Mobile Numbers: 009647825683253

Research Interest: Biological effects of laser, laser Biosesnsor, Diagnosis and treatment of disease by laser

• Educational History

Degree	Specialization	Thesis Title	University	Graduation Date
B.Sc.	Biology	-	Babylon	1995
M.Sc.	Laser / Biology		Baghdad	2004
Ph.D.	Laser / Biology		Baghdad	2014

• Carrier History

No.	Scientific Title	Position	Periods of Work	Contributions and Activities
1	Assistant Lecturer	Staff Member	2006 - 2010	Teaching
2	Ph.D. Student	Student	2010 - 2014	Research
3	Lecturer doctor	Staff Member	2014 - Present	Teaching and Research
4	Assistant Prof doctor	Head of the department of medical and biological applications	2016-2019	Teaching and Researcher and reviewer

5	Assistant Prof doctor	Staff Member	2020-2021	Teaching and
		and Registry		Researcher and
		manager		reviewer
	Assistant Prof doctor	Head of the	2021-present	Teaching and
		department of		Researcher and
		medical and		reviewer
		biological		
		applications		

• Teaching Experience

No.	Course Title	Years	Level
1	Antibiotics	2006	Undergraduate
2	Pathogenic Bacteria	2007 - 2009	Undergraduate
3	Virology	2007 - 2009	Undergraduate
4	Clinical Laboratory Analysis	2009 - Present	Graduate
5	Immunology and Serology	2008 - 2009	Undergraduate
6	Bio irradiation	22014-2015	Undergraduate
7	Biophotonics	2015-Present	Postgraduates
8-	Advanced cell biology	2016-2018	Postgraduate
9-	Biotechnology	2016- 2018	Postgraduate
10	Laser-Tissue interaction	2017-Present	Postgraduate
11-	Biostatistics	2016-2018	Postgraduate
	Oral histology	2021-2022	Postgraduate
12-	Sperctroscopy and laser	2021-present	Postgraduate
	principles		

• Other Academic Activities

1- Layla M. Hassan, Hussein A. Jawad and Dhuha S. Salih(2006) The

Inhibition of Streptococcus mutans by He- Ne Laser via TBO Photosensitizer. Iraqi Journal of laser Vol. 5 No. B (2006)

2- Hassan, L.M., Gizar, R. and Majeed, L.J. (2010). Effect of diode laser 805nm on the viability of some types of Gram negative and positive pathogenic bacteria.*Iraqi Journal of Science*, 51:665-669.

- 3- Hassan, L.M., Jawad, H. A. and Salih, Dh.S. (2006). The inhibition of Streptococcus mutans by He-Ne Laser via TBO Photosensitizer. iraqi J, Laser part B, 5:21-25.
- 4- Al-Ameri, L.M.H., Maki, A.M., Ad'hiah, A.H., Wang, Q. and ALQaisi, M.H. (2014). Cell cycle response to low power laser irradiation in Jurkat E6.1 T-lymphocyte cell line. Journal of Biology, Agriculture and Healthcare, 4: 58-63.
- 5- Al-Ameri, L.M.H., Maki, A.M., Ad'hiah, A.H., Wang, Q. and ALQaisi, M.H. (2014). Low-power laser irradiation effects on cell proliferation and viability of cultured Jurkat E6.1 T-lymphocyte leukemia cell line. Journal of Genetic and Environmental Resources Conservation, 2: 120-125.
- 6- Ali Hussein Ad'hiah, Layla Mohammed Hassan Al-Ameri, Amel Mustfa Maki, Qiuyu Wang, Mayada Hameed ALQaisi (2015). Modulating Heat Shock Proteins 70 and 90 Expression by Low Power Laser Irradiation (635nm and 780nm) in Jurkat E6.1 T-lymphocyte Leukemia Cell Line. J Lasers Med Sci, 6:17-21.
- 7- Layla Al-Ameri, Ali Ad'hiah and Amel Maki (2014). Effects of Low Power Laser Irradiation on Leukaemic Cell Line. Book, Lambert Academic Puplishing.
- 8- Layla Al-Ameri, Ali Ad'hiah ' Real-time PCR Analysis of P21 Gene Expression in Jurkate E6.1 T-lymphocyte Leukemia Cell Line Irradiated with Low Power Laser Irradiation ($635 \mathrm{nm}$ and $780 \mathrm{nm}$ " at the 17^{th} international & Iranian Congress of Microbiology, Tahran, Iran
- 9- Diana Fadhil Al-Saadi, Mouruj A- Al-Aubydi, and Layla M. Al-Ameri (2017). Assessment the Effect of Low Power Laser Light on some Virulence Factors of Klebsiella Pneumoniae Isolated from Respiratory Tract Infections.Int.J.Curr.Microbiol.App.Sci 6(8):2179-2190.
- 10-Mouruj A- Al-Aubydi, Diana Fadhil Al-Saadi, and Layla M. Al-Ameri (2018). A novel method of preparation attenuated Klebsiella Pneumoniae Isolated from Respiratory Tract Infections by using low power laser diodes. Current Research in Microbiology and Biotechnology, vol 6. No 1.(2018) 1441:1445
- 11-Belal Sara J, Alameri Layla M, Rashid Fareed F and Mansour Tahreer S (2019). Laser Biosensor as for Pregnancy Test by Using Photonic Crystal Fiber. International Journal of Medical Research & Health Sciences, 2019, 8(2): 41-49
- 12-Rashid Fareed F, Belal Sara J, Alameri Layla M and Mansour Tahreer S (2019). Laser biosensor for detection hemoglobin concentration. Proc. of the Eighth Intl. Conf. on Advances in Bio-Informatics, Bio-Technology and Environmental Engineering -ABBE 2019. Copyright © Institute of Research Engineers and Doctors. All rights reserved. ISBN: 978-1-63248-167-2 DOI: 10.15224/978-1-63248-167-2-05
- 13-Rashid Fareed F, Belal Sara J, Alameri Layla M and Mansour Tahreer S (2020). Design in line LMA-10 Photonic Crystal Fiber MZI for Detection and investigation of Beta Thalassemia. Medico-Legal Update Vol 20, No 1 (2020)Pages: 621-625Published:2020-03-01

https://doi.org/10.37506/v20%2Fi1%2F2020%2Fmlu%2F194387

14-Hadeel S. AL Abed* and Layla M. Alameri (2019). DETECTION OF THE LEVEL OF HUMAN ALT LIVER ENZYME CONCENTRATION BY USING LASER BIOSENSOR MULTIMODE FIBRES (MMF) Biochem. Cell. Arch. Vol. 19, No. 2, pp. 3829-3833

- 15- Shahad K. Alageedi and Layla M. Alameri(2019). ASSESSMENT OF VARIATION IN LUTEINIZING HORMONE (LH) LEVEL AMONG FEMALES BY USING SINGLE-MODE FIBER OPTICAL BIOSENSOR (SMF) Biochem. Cell. Arch. Vol. 19, No. 2, pp. 4221-4224.
- 16- Rawaa A. Faris and Layla M.H. Al-ameri(2020). Biochemical immune effects of low power laser irradiation on leukemia and breast cancer: A review.EurAsian journal of bioscience 14,7631-7636
- 17- Layla M.H. Al-ameri, Rawaa A. Faris1, Sara J. Belal(2021) Detection of HbA1c in Blood Using Diode Laser (491) nm. Sys Rev Pharm 2021;12(1):700-704
- 18- Rawaa A. Faris and Layla M.H. Al-ameri(2021). AgO Nanowires: Synthesis, Characterization and Bioactivity. Vol. 15 No. 4 (2021): Indian Journal of Forensic Medicine & Toxicology
- 19-Sama E. Mohammed and Layla M.H. Al-ameri (2021) Effect of 410 nm Diode Laser Irradiation on Human Sperm Motility in Vitro Vol. 15 No. 4 (2021): Indian Journal of Forensic Medicine & Toxicology
- 20- Sama E. Mohammed and Layla M.H. Al-ameri (2021) Laser Biostimulation Effect on Human Sperm Motility Iraqi Journal of laser Vol. 20 No.1(2021))
- **21-**Rawia Shatti and Layla M.H. Al-ameri (2021). Optically Sensing for Thyroid Profile Hormones in Blood Vol. 21 No. 2 (2021): Medico-Legal Update
- 22- Israa M.L. SaQari*, Layla M.H. Al-ameri(2022)Biosensing technique for detection of *H.pylori bacteria* Iraqi Journal of laser Vol. 21 No. 2 (2022)
- 23-IIsraa ML*, Saqari and Layla MH Al-Ameri (2022) The Optical Biosensor was used to Determine Antibiotic Mics against H. pylori. Journal of Research in Medical and Dental Science.Volume 10, Issue 8
- 24- Thair F. A. Al-Khozaee and Layla M. H .Al-ameri (2023) pathogenic of E.coli Bacteria using 410 nm diode laser Iraqi Journal of laser Vol. 22 p.p 24-32
- 25- Thai Frhan Akab Al-khozae and Layla M.H.AL-Ameri (2023) sensing of *pseudomonas earoginosa* using 410 nm diode laser . polish journal of medical physics and engineering vol 29, special Issue 1, ISSN 1898-0309
- 26- Alaa Mohsen Ali and Layla M. H. Al-ameri (2022) Optical Biosensor for Detection of Rheumatoid Arthritis via Cadherin-11 Journal of Research in Medical and Dental Science, Volume 10, Issue 8, Page No: 281-284
- 27- Qusay K. Abbas and Layla M. Hassan (2022) Photodynamic effect of Rose Bengal activated by low-level laser light on *S. aureus* Iraqi Journal of laser Vol. 21 No. 2

-Reviewer of many international and local scientific journals

-A lot of thankful letter

No.	Name of student	Title of thesis	Specialist	year
1-	Sara Jamal Abed- Alrasool	Construction of a Laser Biosensor Based on the LMA-10 Fiber Mach-Zehnder Interferometer	Laser & Optoelectronics Engineering	2018
2-	Hadeel Salam	Assessment of ALT and AST enzymes via optical sensing	Laser \ Biology	2019
3-	Shahad Khalid	Assessment of some hormone level variations using optical sensor	Laser \ Biology	2019
4-	Rawya Abdl- kareem Shatti	OpticalFiberBiosensorforThyroidGlandHormoneDetection	Laser \ Biology	2020
5-	Sama Emad	Investigation of low power laser radiation effect on male hnfertility	Laser \ Biology	2020
6-	Israa Mutlak	Determination of Calitonin hormone concentration in blood by laser technique	Laser \ Biology	2021
7-	Ola Talib Rasheed	Optical Biosensor for Detection of Gram Positive and Gram Negative Bacteria Using Laser and Other light Sources	Laser & Optoelectronics Engineering	2022
8-	Alaa Muhsan Ali	Diagnosis of rheumatoid arthritis by	Laser \ Biology	2022

-Supervisor on the following thesis of M.Sc. student:

		laser		
9-	Qusay Khudair	Effect of 532 nm diode laser on <i>Staphylococcus</i> <i>aureus</i> isolated from hospitalized patients with burns and pneumonia	Laser Applications \ Biology	2023
10-	Thaer Farhan	Optical differentiation between normal flora and pathogenic bacteria	Laser Applications \ Biology	2023
11-	Haider Flayyyih Hasan	The effectiveness of low level diode laser (dual wavelength) in the treatment of myogenic origin TMJpain	Laser appications \ Dentistry	Under processing
12-	Dalia Saleem Kareem	Clinical and immunohistological evaluation of low level diode (980nm) laser in treatment of recurrent aphthus stomaitis	Laser appications \ Dentistry	Under processing
13-	Hasaneen	Molecular study of effect of visible and infrared wavelength of laser on oral pathogens	Laser appications \ Dentistry	Under processing