



Curriculum Vitae of Academic Board Members

Name: Dr. Kareem Hussein Jawad

Personal Information

Place and date of birth: Iraq-west / 1964

Nationality: Iraqi

Marital status: married

Residence: Iraq/Baghdad

The workplace: University of Technology-medical engineering Department

Languages: Arabic + English

Contact Information

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Academic Achievements

B.Sc: Jawad earned his bachelor's in Electrical Engineering from the Department of Electrical from the University of Technology (UOT), Baghdad, Iraq.

M.Sc: Jawad earned his master's degree in laser from the University of Technology (UOT), Baghdad, Iraq.

Ph.D: Jawad earned his ph.D.in application of medical laser and nano from the department of applied sciences from the University of Technology (UOT), Baghdad, Iraq.

تاريخ التعيين 14-7-1985 خارج التعليم العالي
تاريخ اعادة تعين 1-6-2008 داخل التعليم العالي

التاريخ الوظيفي

- 1- وزارة الدفاع 1985-1992
- 2- هيئة التصنيع العسكري 1992-2003
- 3- وزارة العلوم والتكنولوجيا 2003-2008
- 4- وزارة التعليم العالي والبحث العلمي 2008 ولحد الان
- 5- مدير الصيانة الجامعية / الجامعة التكنولوجية 2008-2010
- 6- مدير مركز الخدمات الثقافية والاليكترونية / الجامعة التكنولوجية 2010-2011
- 7- المعاون الاداري لقسم هندسة الطب الحياتي / الجامعة التكنولوجية 2017-2021
- 8- قسم هندسة الليزر والاليكترونيات البصرية من 2021 ولحد الان

التكريمات

- 1- كتاب شكر من وزير التعليم العالي عدد (10)
- 2 - كتاب شكر من رئيس الجامعة التكنولوجية عدد (50)
- 3 كتاب شكر من رئيس قسم علوم الحاسوب والهندسة الطب الحياتي عدد (25)

البراءات الاختراع

- ❖ طريقة جديدة لتحضير وتوصيف جسيمات السليكون المسامية النانوية ودراسة تطبيقاتها الطبية. رقم البراءة 5326
- ❖ طريقة جديدة لتحضير وتوصيف جسيمات اوكسيد الالمنيوم النانوية واستخدامها كمضاد حيوي وفي معالجة الجروح داخل الجسم الحي. رقم البراءة 6047
- ❖ طريقة جديدة لتحضير وتوصيف جسيمات Bi₂O₃NPs اوكسيد البزموت النانوي كمادة حافظه للعدسات اللاصقة ضد الالتهابات العين ودراسة التطبيقات الطبيه الحيوية رقم البراءه 7397
- ❖ نتاج غسول مضاد للعدوى الجهاز التناسلي باستخدام انزيم L- glutaminase المنقى من عزلة محلية. رقم البراءه 7815
- ❖ حاصل على وسام الابداع من المؤتمر الدولي الثالث للابداع والابتكار المنعقد في جامعة بابل 4-5\3\2020

Research

No.	Research
1	A Study of kidney parameters induces by porous silicon nanoparticles
2	دراسة الفعالية ضد مايكروبية بواسطة استخدام ثنائي اوكسيد التتانيوم النانوي
3	Temperature effects on silver nanoparticles size
4	Performance of a Nano PbS/Si Hetrojunction Deposited by chemical spray pyrolysis
5	دراسة تأثير درجة الحرارة لاغشية ستانيت كادميوم الحراري Cd ₂ SnO ₄ الرقيقة المحضرة بطريقة الرش الحراري
6	Toxicity of porous silicon nanoparticles on liver of mice
7	A Study of the effect of Porous Silicon Nanoparticles on Human Blood Components
8	Porous Silicon Nanoparticles instead of chemotherapy in treatment of cancers cells
9	Porous Silicon Nanoparticles prepared by improved method :A developing strategy for a successful antimicrobial agent Escherichia coli
10	Study and synthesis of Fe ₃ O ₄ nanoparticles prepared by laser ablation and Its biomedical application
11	Synthesis and charachtration of TiO ₂ nanoparticles prepared via Pulsed Laser Ablation in Liquid and Its biomedical application
12	Characterization of some natural oils used for medical purposes by Ultraviolet – Visible spectroscopy
13	EFFECTS OFAG NANOPARTICLES PREPARED BY ND-YAG LASER AND STUDYTHEIR ANTIBACTERIALAND ANTIOXIDANTACTIVITY
14	Synthesis prepared of Aluminum Oxide nanoparticles by laser ablation and study the medical application
15	Preparation and characterization of silicon nanoparticles for biomedical applications(PhD)
16	Toxicity assessment of porous silicon nanoparticles <i>In-vivo</i>

17. Jawad, K.H.Laser ablation mediated ZnO nanoparticles inhibit growth and biofilm forming potential of urinary tract bacterium *Proteus mirabilis*. *Advances in Natural Sciences: Nanoscience and Nanotechnology*, 2023, 14(1), 015002.
18. Mohammed, A.A., Jawad, K.H., Çevik, S., ...Albukhaty, S., Sasikumar, P. Investigating the Antimicrobial, Antioxidant, and Anticancer Effects of *Elettaria cardamomum* Seed

Extract Conjugated to Green Synthesized Silver Nanoparticles by Laser Ablation. *Plasmonics* This link is disabled., 2023.

19. Hasoon, B.A., Jawad, K.H., Abdulsahib, S.S. Synthesis of Ciprofloxacin-Conjugated Gold Nanoparticles and their Study Antibacterial Effects on Growth Biofilm Formation Through Nebulizer Mask Against Respiratory Infection. *Plasmonics*., 2023 *Plasmonics* <https://doi.org/10.1007/s11468-023-02108-0>.
20. Mahdi, L.H., Hasoon, B.A., Sulaiman, G.M. et al. Anti-microbial efficacy of L-glutaminase (EC 3.5.1.2) against multidrug-resistant *Pseudomonas aeruginosa* infection. *J Antibiot* (2023). <https://doi.org/10.1038/s41429-023-00678-z>.
21. Jawad KH, Hasoon BA, Ismail RA, Shaker SS (2022) Preparation of copper oxide nanosheets by pulsed laser ablation in liquid for anticancer, antioxidant, and antibacterial activities. *J Indian Chem Soc* 99(11).
22. Tuqa Sabah, Kareem H. Jawad*, Nebras Al-attar . Synthesis and Biomedical Activity of Aluminium Oxide Nanoparticles by Laser Ablation Technique. *Research Journal of Pharmacy and Technology*, 3(16), 1267-3, 2023. doi: 10.52711/0974-360X.2023.
23. Tuqa Sabah, Kareem H. Jawad*, Nebras Al-attar , Assessing the Toxicity of Aluminum Oxide Nanoparticles (Al₂O₃ NPS) Prepared by Laser Ablation Technique on Blood Components. *journal of Applied Sciences and Nanotechnology* 3 (1), 2023.
24. Tuqa Sabah, Kareem H. Jawad, Nebras Al-attar . Antioxidant activity of Aluminum Oxide Nanoparticles Prepared by Laser Ablation Technique and Evaluating the Toxicity on Blood Human Components (in vitro), *International Journal of Nanoelectronics and Materials*, 14, 2023.
25. KH Jawad, TR Marzoog, BA Hasoon, GM Sulaiman, MS Jabir, EM Ahmed, ... Antibacterial Activity of Bismuth Oxide Nanoparticles Compared to Amikacin against *Acinetobacter baumannii* and *Staphylococcus aureus*. *Journal of Nanomaterials* 2022.
26. Dahlia Mohammed Ali Hasan, Butheina A. Hasoon, Afnan I. Abdulwahab, Kareem H. Jawad. Biological activities of Ethanolic Extract Produced by *Cucurbita pepo* plant. *Revis Bionatura* 2022;7(2) 19. <http://dx.doi.org/10.21931/RB/2022.07.02.19>.
27. MAALN Najwan, Hussein Numan, Kareem Hussein, Azhar Kadhim Sadkhan . Characterization of Some Natural Oils Used for Medical Purposes by Ultraviolet – Visible spectroscopy.

28. Kareem H. Jawad, Butheina A. Hasson. Developing Strategy for a Successful Antioxidant, Anticancer Activity via an Improved Method Prepared to Porous Silicon Nanoparticles. Journal of Applied Sciences and Nanotechnology.3(11),2021. DOI: 10.53293/jasn.2021.3890.1054.
29. Nehia N. Hussein, Raghad K. Maeah, Zahraa A. Sharba, Buthenia A .Hasson, Ghassan M. Sulaiman, Ayad A., Ali A. Taha and Kareem H. Jwad. CYTOTOXIC, ANTIOXIDANT AND ANTIBACTERIAL ACTIVITIES OF CRUDE EXTRACT OF SYZYGIUM AROMATICUM PLANT. Plant Archives. 350-355,2019.

Important Links

- ❖ <https://www.scopus.com/authid/detail.uri?authorId=57205193837>
- ❖ https://scholar.google.com/citations?hl=en&user=okBubuQAAAAJ&view_op=list_works&citft=1&email_for_op=110095%40uotechnology.edu.iq&gmla=AJsN-F4u4qEgO2sAlj9e1NxZT5vBCrpp_d-yOEA5pM6HETQFfmlRLfjUA9OaOGQfD IqujiIo8txLg89TKuZc9H BN4eBMVFXQ6-7Dn 5WnQiwLCMcFHFAaZOVm1NE2pazJCFvf81n2DbNdX6sm6U8U7PKfgsxlWq0VZZJMVQu6OBgkuXXZ6H1KoqmZOo5tC3hBeAlHdSHr20Ov4yeT18YXfwacHDpzvVOMPfHvQPbpa6OLiw2d6QeGw8TnC0mfv2SljOLK_Gn
- ❖ <https://publons.com/researcher/1706611/kareem-hussein/>
- ❖ [https://www.scopus.com/results/authorNamesList.uri?sort=count-f&src=al&sid=f269b2a6ac3f7d3a0986e151ca1a00e9&sot=al&sdt=al&sl=41&s=AUTHLASTNAME%28jawad%29+AND+AUTHFIRST%28kareem%29&st1=jawad&st2=kareem&orcidId=&selectionPageSearch=anl&reselectAuthor=false&activeFlag=true&showDocument=false&resultsPerPage=20&offset=1&jtp=false¤tPage=1&previousSelectionCount=0&tooManySelections=false&previousResultCount=0&authSubject=LFSC&authSubject=HLSC&authSubject=PHSC&authSubject=SOSC&exactAuthorSearch=false&showFullList=false&authorPreferredName=&origin=searchauthorfreelookup&affiliationId=&txGid=85d7b56f8c877ff45d236beda3b5af77.](https://www.scopus.com/results/authorNamesList.uri?sort=count-f&src=al&sid=f269b2a6ac3f7d3a0986e151ca1a00e9&sot=al&sdt=al&sl=41&s=AUTHLASTNAME%28jawad%29+AND+AUTHFIRST%28kareem%29&st1=jawad&st2=kareem&orcidId=&selectionPageSearch=anl&reselectAuthor=false&activeFlag=true&showDocument=false&resultsPerPage=20&offset=1&jtp=false¤tPage=1&previousSelectionCount=0&tooManySelections=false&previousResultCount=0&authSubject=LFSC&authSubject=HLSC&authSubject=PHSC&authSubject=SOSC&exactAuthorSearch=false&showFullList=false&authorPreferredName=&origin=searchauthorfreelookup&affiliationId=&txGid=85d7b56f8c877ff45d236beda3b5af77)