

Curriculum Vitae

Personal Data

Full name: Prof. Dr. Khawla SalahKhashan
Date and place of birth: Baghdad, 6th February 1975
Nationality: Iraqi
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Education and Qualifications

B.Sc. (1993-July 1997) Applied physics/laser, University of Technology, Iraq.

M. Sc.(Sep. 1997-Dec. 1999) Laser Physics, University of Technology, Iraq, Thesis Title: “Surface Heat treatment of several ferrous alloys by pulsed laser”.

Ph.D. (Oct.2002- July2006) laser &Optoelectronic Technology, University of Technology, Iraq,Thesis Title: “optical and electrical properties of chemically prepared nanocrystalline particles”.

Conferences and Exhibitions

1. The 5th International Scientific Conference for Nanotechnology and Advanced Materials and Their Applications ICNAMA 2015 (3-4) Nov.2015
2. 1st International Conference On Laser Applications And Advanced Materials (16-18 December 2014)
3. University of Technology/ 1st International Conference On Laser Applications And Advanced Materials (16-18/12/2014)
4. University of Technology/ Nanotechnology & advanced materials center/ The 4th International scientific Conference on Nanotechnology& Advanced Materials&Their Applications (ICNAMA 2013)3-4 Nov, 2013
- 2.University of Baghdad- Bablyon/ National conference on physics (7-8 Nov. **2012**)

3. University of Technology/ Nanotechnology & advanced materials center/ first scientific conference on nanotechnology, advanced materials and their application, (13- 15 oct.2009
4. Utah, Foundations of Nanoscience Conference, Snowbird, (20-24 April 2009)
5. Al-Balqa Applied University/ the second Jordanian international conference of material & engineering 2007
6. Al-Mustansiriya University / College of Sciences/ the fifth scientific Conference (23- 24 Oct. 2001).

Supervision:

1. M.Sc. thesis 2014- 2015:Characterization of InN nanoparticles prepared by laser as a photodetector
2. M.Sc. thesis 2013- 2014: Antibacterial activity of metals oxide nanoparticels induced by laser ablatiob in liquid
3. M.Sc. thesis 2012- 2013: Heterostructure by laser ablation of graphite
4. M.Sc. thesis 2006-2007 : Effect of RTO on electrical properties of porous silicon prepared by stain etching
5. More than 20 under graduated project

List of Published Papers

1. **Mayyadah H. Mohsin, Khawla S. khashan** " Spectroscopy and Formation of Carbon Nitride by Pulse Laser Ablation in Liquid of Graphite target" Eng. &Tech.Journal, Vol.34,Part (B), No.1,2016
2. **Doaa S. Jbaier, Jehan A. Simon, Khawla S. Khashan** "Nanostructure NiO films prepared by PLD and their optoelectronic properties" Eng. &Tech.Journal, Vol.33, Part (B), No.5, 2015
3. **Khawla S. Khashan, Ghassan M. Sulaiman and, Farah A. Abdulamee**" Synthesis and Antibacterial Activity of CuO Nanoparticles Suspension Induced by Laser Ablation in Liquid "Arabian Journal for Science and Engineering , 23 June 2015
4. **Khawla S.khashan & Mayyadah H. Mohsin**" Characterization of carbon nitride nanoparticles prepared by laser ablation in liquid for optoelectronic application " Surface Review and Letters. **22**, 1550055 (2015)

5. **Khawlah S. Khashan, Ghassan M.Sulaiman, Farah A. Abdul Ameer, Giuliana Napolitano** " Synthesis, characterization and antibacterial activity of colloidal NiO nanoparticles" Pak. J. Pharm. Sci., Vol.29, No.2, March 2016, pp.541-546
6. **Azhar I. Hassan,Khawla S. khashan,Jehan A. Saimon**"Preparation and Characterization of NiO Thin Films by PLD" Eng. &Tech. Journal , Vol.33,Part (b), No.1, 2015
7. **Khawla S. khashan, Jehan A. Saimon and Azhar I. Hassan**" Optical Properties of CUO Thin Films with Different Concentration by Spray Pyrolysis Method" Eng. & Tech. Journal , Vol.32,Part (b), No.1, 2014
8. **Entessar H. Ali , Khawla S. Khashan and Iman I. Jabber** "Effect of Nano Particles on Antibacterial Activity of Aloe Vera"Eng. & Tech. Journal , Vol.32,Part (b), No.1, 2014
9. **Khawla S. Khashan, Thorria R. Marzoog, Wasnaa H. Mohammed and Rana S. Noori** " EFFECT OF NANOPARTICLES ON THE ANTIBACTERIAL ACTIVITY OF ANTIBIOTICS" International Journal of Development Research Vol. 4, Issue, 2, pp. 211-214, February, 2014
10. **S. Khashan, Ghassan M. Sulaiman, Farah A. Abdul Ameer and Thorria R. Marzoog**" Synthesis, Antibacterial Activity of Tio2 Nanoparticles Suspension Induced by Laser Ablation in Liquid" Eng. & Tech. Journal , Vol.32,Part (b), No.5, 2014
11. **Khawla S.khashan & Mayyadah H. Mohsin** " Preparation of Carbon Nanotube by Pulse Laser Ablation of Graphite Target in Deionized Water " Eng. & Tech. Journal , Vol.32,Part (b), No.1, 2014
12. **Khawla S.khashan & Mayyadah H. Mohsin** " Electrical Conductivity of Carbon Nano Tubes Suspensions Prepared in Different Solutions" Eng. & Tech. Journal , Vol.32,Part (b), No.1, 2014
13. **Khawla S.khashan & Mayyadah H. Mohsin**" Carbon Nanotube Prepared by Pulse Laser Ablation ofGraphite Target in Iso-Propanol solution" Eng. & Tech. Journal , Vol.31,Part (A), No.16, 2013
14. **Khawla S. khashan** "Synthesis of Si Nanoparticles by Milling Technique. Eng. & Tech. Journal .Vol.31,Part (B), No. 7 , **2013**
15. **Khawla S. khashan**"Synthesis, structure and optical properties of CdS nanoparticles prepared by chemical method" Eng. &Tech. Journal .Vol. 31, No. 1 , **2013**

16. **Azhar I. Hassan , Khawla S. khashan & Aseel A. Hadi** " Optical and Structural Properties of CdO Thin Film. Eng. &Tech. Journal .Vol31,Part (B), No. 5 , **2013**
17. **Khawla S.khashan & Mayyadah H. Mohsin** “ Synthesis of polyynes by laser ablation of graphite in ethanol” Iraqi Journal of Physics, 2013 , Vol.11, No.21, PP. 37-47
18. **Khawla S. khashan** “ Optoelectronic properties of ZnO nanoparticles deposition on porous silicon” , International Journal of Modern Physics B Vol. 25, No. 2 (**2011**) 277
19. **J.T. Al - Haidary, D.N.Raouf , & K.S.khashan** "Hardening of steels by pulsed laser in conjunction with magnetic field , were accepted for publication in “ Research and development in mechanical, production and metallurgical engineering” **2011**
20. **Khawla S. Khashan, Amany A. Awaad & Maysaa A.Mohamed***Effect on rapid thermal oxidation process on electrical properties of porous silicon, Eng. & Tech. journal, vol.27, no.4, **2009**.
21. **Salih Al Bakri, Khawla S. khashan, Zeid A. Nima & Esraa A. Ajeel** " Enhancing of antibacterial activity using CdS nanoparticles prepared by chemical method, University of Technology/ Nanotechnology & advanced materials center/ the first scientific conference on nanotechnology, advanced materials and their application, (13- 15 oct.**2009**)
22. **Khawla S. khashan, Evan T. Salem & Mukaram A. Fakhery** " Enhanced the response time of the P-N junction photo detector, Eng. & Tech. journal, Vol.26, No.4, **2008**
23. **Khawla S. Khashan** " Optoelectronic properties of ZnO/PS/n-Si Heterojunctions , Eng.& Tech. journal Vol 26, No4, **2008**
24. **Khawla S. Khashan , Oday A. Hamadi** " Features of spot matrix surface hardness of low carbon steel using pulsed laser, J.Eng. and Technology vol.25, no.2, **2007**
25. **J.T. Al - Haidary& khawla S. khashan** "Surface Heat treatmentfor some types ofsteelusingapulsedlaser, Jordan's secondInternationalConferenceinmaterialsandengineering**2007**
26. **Oday A. Hamadi &Khawla S. Khashan** " Effect of preheating on the parameters of laser keyhole welding process: analytical study, Iraqi J. Laser, Part A, Vol. 5, pp. 11-17,**2006**
27. **Khawla S. Khashan** "analytical investigation of the spatial & temporal changes during laser pulse propagation in the second harmonic generation, Eng. & Tech. journal**2005**

- 28. Khawla S. Khashan** "Heat treatment of tool steel M50 by laser, J. educ. col. **2002**
- 29. D.N.Raouf, Khawla S. Khashan** "Surface hardening of medium carbon steel by laser and ultrasonic wave, J. educ. col. **2002**
- 30. Khawla S. Khashan & Ahmed M. Hasaan** "Surface hardening of Din (14NiCr10) by using Nd-Yag pulse laser, Al-Mustansiriya University / College of Sciences/ the five scientific Conferences (23-24 Oct. **2001**).