Curriculum Vitae _ Suha Ibrahim Abdulateef Al-nassar

Objective

To earn a position of responsibility in the fields of physical laser ,laser processing and nanotechnology, that enables me to utilize my skills and theoretical expertise to serve university teaching and working.

Personal Information

Academic degree:	Prof. Doctor
ORCID:	0000-0002-1668-8546
h – Index:	3 calculated by Google Scholar
Birth Date & Place:	August, 15, 1969 – Iraq
Nationality:	Iraqi
Passport Number:	**G2582375** valid until March 30, 2024
Marital Status:	Unmarried
Mobile:	Iraq\+964 7901884085, +9647707852093.
Email:	suha_alnassar4@yahoo.com, suha.alnassar4@gmail.com Suha_alnassar@engineering.uodiyala.edu.iq
Website:	www.uodiyala.edu.iq
Postal address:	College of Engineering, Diyala University, al-Mansour City, Baghdad Governorate, ZIP, Iraq.

Professional Strength and Skills

- Very effective in physical laser , especially the design of laser system. Also in synthesis nanoparticles by laser ablation in aqueous media.
- Wide theoretical knowledge in most subject of Laser system physical electronics, optics fiber, Electronics, nanotechnology science , laser processing , mathematics.

Educational Qualifications

- **Post Doctorate** Fellow
- **Ph.D.** Physical of Laser 2012-2013 institute laser for postgraduate studies –Baghdad University-Iraq. (English Curriculum)
- **Ms. C.** Physical of Laser 2004-2005 Department of Application sciences – Technology University-Iraq. (English Curriculum).
- **B.Sc.** Physical of Laser 1990-1991 Department of Application sciences – Technology University-Iraq. (English Curriculum).

Memberships and Academic positions

- Member of Scientific Committee of communication department at College of Engineering – Diyala University 2004 till now.
- Member of Iraqi Teachers Union (ITU) since 2008 till now.
- Assistant in the computer laboratory at Electrical Department in the College of Engineering at Diyala University (1999-2001).
- Teaching - Faculty of Engineering - University of Diyala - since 2004 and until now.
  • Chairman of the Educational Guidance Committee of the Faculty of Engineering - Department of Communication Engineering - University of Diyala for the period 2010-2015.
  • Member of the Central Committee for Educational Guidance - Department of Communication Engineering - University of Diyala for the academic year 2016/2017 ..
  • Member of the Scientific Committee - Faculty of Engineering - Department of Communication

Engineering - University of Diyala for the period 2014-2017 ..

• Head of Quality Assurance and University Performance Committee at the Faculty of Engineering - Department of Communication Engineering - Diyala University since the 2013/2014 academic year and so far.

Training and Courses .

- I have participation certificate training course in "Microstrip Antennas", & my average degree was Excellent.
- I have participation certificate training course in "Communications by Using Optical Fibers", & my average degree was Excellent.
- I have participation certificate training course in "Using of Optical in Cellular communications", & my average degree was Excellent.
- I have participation certificate training course in "Introductory course of COMSOL Multiphysics" organized by Department of Mechanical Engineering TU Bergakademie Freiberg (DAAD) at Salahadin University ,Erbil (2011).
- I have participation certificate training course in "Introductory course of moulding sand testing" organized by Institute for Machine Elements, Engineering Design and Manufacturing, TU Bergakademie Freiberg (DAAD) at Salahadin University, Erbil (2013).
- I have participation certificate workshop –modern measuring methods in the laboratory organized by Department of Mechanical Engineering TU Bergakademie Freiberg (DAAD) at Salahadin University ,Erbil (2014).
- Computer Programming Course for one month in College of Education–Computer Department – Baghdad University – Iraq - 2004.
- Methods of Teaching Course for one month in College of Education– Diyala University – Iraq - 2004.
- English Language Certificate - College of Languages – Baghdad University – Iraq - 2004.

Languages .

- English: Written and spoken (Very good)
- Arabic: Mother tongue.

Employment History (Academic & Technical) .

Diyala University – College of Engineering (1999 – till now)

Location: Diyala – Iraq

Position: .Lecturer doctor in communication department

Academic degree: Assistance Prof. doctor.

Description: Teaching physical electronics for the first stages and optical fiber for the fourth stage and nanotechnology in third class.

General State of al-Nasir company for mechanical industries (1993-1999)

Location: Baghdad – Iraq

Position: programmer -Researcher

Description: Working in the Department of computer. This work gives wide experience in solving the industrial problems by using the scientific research and computer programmer.

Supervision of Theses and dissertations `

1. *Mechanical and Structural Characteristics of Hybrid Nanocomposite Coatings*, 2017 – *MSc thesis*,

Mechanical Department, College of Engineering, Diyala University, Iraq.

Reviewer and referee

Reviewer and referee in:

1. 2016 4th Asia Conference on Mechanical and Materials Engineering

Published Research Papers .

No	Title of research	Journal name	Vol. & year Publisher or hosting	ISSN
1	Design, Construction &Operation of Multi-stages Large-Bore CW CO_2 Laser	Iraqi Journal of applied physics	Vol. (1) issue (1) (2005)	1813-2065 1999-656x
2	Surface Sealing of Plasma Sprayed Thermal Barrier Coatings by an Excimer Laser	Diyala Journal of applied researchers	Vol.(1),No.(22) (2005).	1999-8716
3	Study of the fragmentation phenomena of TiO_2 nanoparticles produced by femtosecond laser ablation in aqueous media	Optics & Laser Technology	Vol. 51, Pages 17–23, October (2013) under Elsevier	0030-3992
4	Study the Effect of Different Surfactant Solution on the Production of Zirconia (ZrO_2) Nanoparticles Synthesized by Laser Ablation Technique	World Academy of Science Engineering and Technology journal	Vol.78, (2013), pp. 1718-1722 ,Turkey.	20103778, 2010376X
5	Synthesis of Zirconia Nanoparticles in Distilled Water Solution by Laser Ablation Technique	Journal of Materials Science and Engineering B	Vol.3 (6), 2013, pp. 364-368, USA	0921-5107
6	Study the Effect of Laser Fluences on the Production of Alumina Nanoparticles (Al_2O_3) Synithezed by Pulsed Laser Ablation Technique in Aqueous Solutions	International Virtual Journal for Science ,Technics and Innovations for the Industry“ Machines, Tchnologies, Materials"	Issue 8 (2013), Sofia, Bulgaria	1310-3946
7	Study the Effect of Ablation Time on the Spectroscopic Characteristics of Zinc Oxide Nan particles Synthesized by Liquid-Phase Pulsed Laser Ablation Technique	International Journal of Advanced Engineering and Nano Technology (IJAENT)	Volume-2 Issue-3, February (2015),India.	2347-6389
8	Study the Effect of Molarity on the Synthesis Nanoparticles by Liquid-Phase Laser Ablation Technique	International Journal of Advanced Engineering and Nano Technology (IJAENT)	Volume-2 Issue-6, May 2015, India.	2347-6389

9	Study the Fragmentation Phenomena of TiO_2 Nanoparticles Produced by Liquid-Phase Laser Ablation Method using Computer Simulation Technique	Materials Today: Proceedings, Available online at ww.sciencedirect.com,Elsevier.	2 (2015) 3718 – 3727 Elsevier	2214-7853
10	Investigation of different ablation times on the formation of zinc oxide nanoparticles synthesized by liquid-phase pulsed laser ablation technique	International Journal for Materials Science non-equilibrium phase transformations	3 (2015), Sofia, Bulgaria.	2367-749x
11	Study the Effect of Different Liquid Media on the Synthesis of Alumina (Al2O3) Nanoparticle by Pulsed Laser Ablation Technique	Manufacturing Science and Technology	3(4): 77-81, 2015 Elsevier	DOI:10.13189/mst.2015.030401
12	Study the Effect of Liquid Layer Level on the Formation of Zinc Oxide Nanoparticles Synthesized by Liquid-Phase Pulsed Laser Ablation"	Materials Science Forum, Trans Tech Publications which will submitted to indexed by Elsevier SCOPUS, Ei Compendex(CPX)	Elsevier http//www.ttp.net/0255-5476.html,	1662-9752
13	A Study of the Structural and Mechanical Characterization of Hybrid Nanocomposite Material	Materials Science Forum, Trans Tech Publications which will submitted to indexed by Elsevier SCOPUS, Ei Compendex(CPX)	Vol. 909, pp 111-115	1662-9752
14	Design and Implementation of Infrared (IR) Communication System	Diyala Journal of Engineering Sciences,	Vol. 11, No. 3, September 2018, pages 29-33	1999-8716
15	The effect of laser pulse energy on ZnO nanoparticles formation by liquid phase pulsed laser ablation	Journal of Materials Research and Technology (JMRTEC-785) 2019	www.sciencedirect.com	ISSN: 2238-7854
16	Evaluation of the Mechanical Characteristics of Hybrid Nanocomposite Materials (TiO2-SiO2-ZrO2)	2nd International Scientific Conference of Engineering Sciences (ISCES 2020)	*IOP Conf. Ser.: Mater. Sci. Eng.* **1076** 012083	

17	Synthesis of nano-SiC reinforced nickel-based nanocomposite coating using electroless deposition technique	Materials Today: Proceedings	www.sciencedirect.com	
18	Characterization of Corrosion Resistance of Silver-Hydroxyapetite (Ag-HA) Bio-Nanocomposite Coating	Diyala Journal of Engineering Sciences	Vol (16) No 1, 2023: 27-33	ISSN: 1999-8716ISSN: 1999-8716
19	Synthesis of bio-nanocomposite coating (silver-multi wall carbon nano tubes) by electroless plating method	Materials Today: Proceedings	www.sciencedirect.com	
20	Study the Wear Characteristics for Ni-ZrO and Ni-Al O Nanocomposite Coatings Produced by Electroless Deposition Technique	Wiley Material Design & Processing Communications	Volume 2024, John Wiley & Sons https://doi.org/10.1155/2024/4907211	ISSN: -2577-6576
21	The influence of surfactant type on the formation of zinc oxide nanoparticles via liquid phase pulsed laser ablation technique	Journal of Optics	https://link.springer.com/article/10.1007/s12596-024-01982-z	ISSN: 0972-8821
22	Dual wavelength signal generation with four wave mixing based on directly modulated laser	Optical Fiber Technology	Vol:.88,dec. 2024 Science Direct	ISSN:1068-5200
23	Arduino based LIDAR system for measuring the distance	AIP Conf. Proc. 3264, 020004 (2025)	(2025)	ISSN: 0094-243X

Conferences .

No	Conference	Paper title	Proceeding or journal name
1	International Conference on Industrial and Production Engineering, June 20-21, 2013, Istanbul, Turkey	Study the Effect of Different Surfactant Solution on the Production of Zirconia (ZrO_2) Nanoparticles Synthesized by Laser Ablation Technique	World Academy of Science Engineering and Technology journal

2	2nd International Conference on Advanced Manufacturing and Automation (INCAMA-28th-30th March 2013), Kalasalingam University ,Department of Mechanical Engineering , India.	Study the Effect of Sodium Dodecyl Sulfate Surfactant Solution on the Production of Zirconia (ZrO_2) Nanoparticles Synthesized by Laser Ablation	
3	XXI International Scientific And Technical Conference On Transport, Road-Building, Agricultural, Hoisting & Hauling and Military Technics And Technologies(Trans & Motauto 13),01.- 02.07 2013 , Varna , Bulgaria.	Study the Effect of Laser Fluences on the Production of Alumina Nanoparticles (Al_2O_3) Synithezed by Pulsed Laser Ablation Technique in Aqueous Solutions	International Virtual Journal for Science ,Technics and Innovations for the Industry" Machines, Tchnologies, Materials
5	International Conference on Material Science and Material Engineering [MSME2014], March 14-16, 2014, Chicago, Illinois, USA.	Production of Zirconia Nanoparticle (ZrO_2) in Cetyltrimethlammonium Bromide Solution (CTAB) by Laser Ablation Technique	Paper published in special proceeding
6	International Conference on Advances in Materials and Processing Technology (AMPT), from 16 to 20 November 2014, Dubai, UAE.	Study the Effect of Different Liquid Media on the Synthesis of Alumina (Al2O3) Nanoparticle by Pulsed Laser Ablation Technique	Paper published in special proceeding
7	4th International Conference on Materials Processing and Characterization(ICMPC), from 14th-15th March 2015, GRIET, Hyderabad, India.	Study the Fragmentation Phenomena of TiO_2 Nanoparticles Produced by Liquid-Phase Laser Ablation Method using Computer Simulation Technique	Materials Today: Proceedings
8	**XII** International Congress Machines, Tchnologies, Materialss", vol. 22\185, 16-19.09.2015 , Sofia, Bulgaria	Investigation of different ablation times on the formation of zinc oxide nanoparticles synthesized by liquid-phase pulsed laser ablation technique	International Congress Machines, Tchnologies, Materials proceeding

9-	4th Asia Conference on Materials and Materials Engineering (ACMME 2016), July 14-18,2016, Kuala Lumpur , Malaysia	Study the Effect of Liquid Layer Level on the Formation of Zinc Oxide Nanoparticles Synthesized by Liquid-Phase Pulsed Laser Ablation"	Materials Science Forum, Trans Tech Publications which will submitted to indexed by Elsevier SCOPUS, Ei Compendex(CPX)
10-	5th Asia Conference on Materials and Materials Engineering (ACMME 2017), July 9-11,2017, Tokyo, Japan	A Study of the Structural and Mechanical Characterization of Hybrid Nanocomposite Material	Materials Science Forum, Trans Tech Publications which will submitted to indexed by Elsevier SCOPUS, Ei Compendex(CPX)
11-	2018 2nd International Conference on Materials and Intelligent Manufacturing (ICMIM 2018)	Synthesis of Advanced Hybird Polymer Nanocomposite Material(TiO2-SiO2) by Mechanical Stirring Technique	Materials Science Forum, Trans Tech Publications which will submitted to indexed by Elsevier SCOPUS, Ei Compendex(CPX)
12-	International Conference on Electrical, Communication, Electronics, Instrumentation and Computing (ECEIC) , Kanchipuram, India, 2019.	Design Laser Communication System For Voice Transmission	IEEE Xplore digital library

Published Books .

No	*Book title* and publisher	ISBN
1	Laser Surface Sealing Processing For Thermal Barrier Coatings" Fundamental ,Application and Developments	ISBN 999-9999-99-399

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Google Scholar https://scholar.google.com/citations?user=wAP6FN4AAAAJ&hl=en

Research Gate https://www.researchgate.net/profile/Suha_Al-Nassar

Acadimeca.edu https://uodiyala.academia.edu/SuhaAlnassar

Linkedin https://www.linkedin.com/in/suha-alnassar-7b36b3139/

Publons https://publons.com/author/1219510/suha#profile

Mendeley https://www.mendeley.com/profiles/suha-alnassar2/

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