



# **Najwa Jassim Jubier Abbas**

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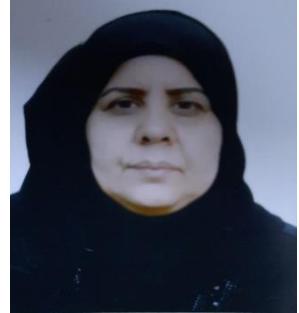
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[https://scholar.google.com/citations?user\\_=Le-U0EAAAJ&hl=ar](https://scholar.google.com/citations?user_=Le-U0EAAAJ&hl=ar)

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<https://publons.com/dashboard/summary/>



## **Academic Qualifications**

**09/2011 – 8/2014 PhD (materials physics)**

Department of physics, College of science  
Baghdad University

**Doctoral Thesis: "Effect of Nano and Micro SiO<sub>2</sub> Particles on Fatigue Behavior of Epoxy/E-Glass Fiber Composites"**

**11/1999 – 9/2001 M. Sc. (solid state – Thin films)**

Department of physics, College of science  
Baghdad University

**Master's Thesis: "The Effect of Thickness and Annealing Temperatures on the Optical Properties of PbTe Thin Films"**

**09/1984- 9/1988 Bachelor of science (Physics)**

Department of Physics, College of Science  
Baghdad University

## **Professional Profile**

### **•General**

- Highly developed research qualitative and analytical skills with a strong capacity to conduct independent research in nanotechnology
- Demonstrated ability to develop goals, objectives and implement strategies through lesson planning and teaching experience
- Proven ability to conceptualism problems and develop well-reasoned and integrated solutions, as demonstrated throughout PhD and Honors research
- Working knowledge of Word, Excel and PowerPoint.
- Proficient in Arabic and English.

### **•Committees**

- Participant in the presidency and membership of various administrative committees.

- Supervisor of master's thesis and doctoral dissertations for many students.
- Participating in the presidency and membership of scientific and exam committees.
- Committees for M. Sc., and Ph. D. degrees in waist universities.
- Reviewer for many types of research for enforcement and scientific promotion and also in Springer Nature.
- Member of committees for undergraduate students' projects in Physics department.
- Heading and/or a membership of the electronic plagiarism committee in the College of Science.

## **Academic Employment – Teaching and Research**

<b>02/2023- Date</b>	<b>Tutor</b> Professor Department of Physics, College of Science, Waist University
<b>08/2017- Date</b>	<b>Tutor</b> Assist. Professor Department of Physics, College of Science, Waist University

### **Responsibilities**

- Taught (materials physics) to second-year level students for two semesters (**Physics**).
- Taught (mathematics) to first-year level students for two semesters (**Physics**).
- Taught Special topic for Postgraduate Master and Ph.D.
- Supervision in Postgraduate: 14 MSc and 5 PhD students.
- Taught Quantum Mechanics for Postgraduate Master.
- Taught Research Methodology for PhD students.

<b>08/2014 – 08/2017</b>	<b>lecturer</b> Department of Physics, College of Science, Waist University
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### **Responsibilities**

- Taught (materials physics) to second-year level students.
- Taught (mathematics) to first-year level students.
- Supervision in Postgraduate: 1 MSc.

<b>03/2006 – 08/2014</b>	<b>Assistant lecturer</b> Department of Physics, College of Science, Waist University
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### **Responsibilities**

- Taught Thermodynamics to second - year level students(Physics).
- Taught General Physics to first - year level students (Biology).
- Taught (mathematics) to first-year level students (Biology).
- Taught practical to Mechanics to first-year level students(Physics).
- Taught practical to Modern physics to second - year level students (Physics).

## **Employment History – General**

From	To	No. of years	Position and Employer
<b>1989</b>	1999	10	Lecture (Directorate of Vocational Training Center for Textile Industries in Kut / Ministry of Industry)
<b>1999</b>	2001	2	Post-graduate Student (M Sc) / Department of Physics, College of Science/ Baghdad University

2001	2006	5	Lecture (Directorate of Vocational Training Center for Textile Industries in Kut / Ministry of Industry)
2006	2011	5	Assist. Lecturer / Department of Physics, College of Science, Waist University
2011	2014	3	Post-graduate Student (Ph.D) / Department of Physics, College of Science/ Baghdad University
2014	2017	3	Lecturer / Department of Physics, College of Science, Waist University
2017	2018	1	Assist. Prof. / Department of Physics, College of Science, Waist University
2018	2022	4	Assist. Prof. /Head of Department of Physics, College of Science, Waist University
2023			Prof. / Department of Physics, College of Science, Waist University
2025			Prof./Head of Department of Physics, College of Science, Waist University

## Publications

1. **Najwa Jassim Jubier** “**Improvement of Electrical Transport for PbTe Thin Films by Thermal Treatment**”, Wasit Journal for Science & Medicine ,2009 2 (2): ( 60 - 66 ).
2. Souad G. Khalil, Majida A.Ameen and **Najwa J. Jubier** “**Effect of Laser Irradiation on the Optical Properties of SnO<sub>2</sub>Films Deposited by Oxidation of Metal Films**”.Baghdad Science Journal ,Vol.8(4)2011.
3. **Najwa Jassim Jubier** , Suaad Ghafoori Khalil and Abbas Fadhil Essa “**Measurement Changes in Activation Energy, Hall Effect and Seebeck Effect of Lead Telluried Thin Films Prepared by Thermal Evaporation Technique with Different Annealing Temperatures**”, Journal of Materials Science and Engineering, B 1 (2011) 811-818.
4. Ekram . A. Ajaj , **Najwa. J .Jubier** and Kawakib .J. Majeed “**Fatigue behavior of Epoxy/ SiO<sub>2</sub> Nanocomposites Reinforced with E- glass Fiber**”, International Journal of Application or Innovation in Engineering & Management (IJAIE), Volume 2, Issue 9, September 2013.
5. **Najwa J .Jubier** , Kawakib J. Majeed and Ekram A. Ajaj “**Effect of UV Irradiation on Fatigue Behavior of Epoxy/ SiO<sub>2</sub>Nanocomposites Reinforced with E-Glass Fiber**”, International Journal of Application or Innovation in Engineering & Management (IJAIE), Volume 3, Issue 2, February 2014.
6. **Najwa Jassim**, Ahmed Jadah Farhan and Ruwa hilal “**Charpy Impact Test for SiO<sub>2</sub> (Nano-Micro) Particles /Epoxy Composites**”, International Journal of Recent Scientific Research,Vol. 6, Issue, 6, pp.4623-4628, June, 2015.
7. **Najwa Jassim**, Ruwa hilal and Saba Farhan “**Study the Effect of Nanoparticle SiO<sub>2</sub> on Some Mechanical Properties for Epoxy/ Reinforced With 6 Layers of WRE-Glass Fibers Composites**”, International Journal of Innovative Research in Science, Engineering and Technology, Vol. 5, Issue 5, May 2016
8. **Najwa Jassim Jubier** and Ali Jabbar Fraih “**Measurment of Optical Energy Gap and Optical Constants of Epoxy-Based Micro Composites Filled with TiO<sub>2</sub> Particles**”, International Journal of Recent Scientific Research ,Vol. 7, Issue, 7, pp. 12561-12564, July, 2016.
9. **Najwa Jassim Jubier** “**Studying Some Mechanical and Physical Properties of Polyester/Granite Microcomposites**”, Wasit Journal for Science & Medicine 2016: 9(3): (99-108).
10. Zainab K. Lateef , Muneer H. Alzubaidy and **Najwa J. Jubier** “**Preparation, Characterization and Optical Properties of Copper Oxide Thin Films**”, Journal of Multidisciplinary Engineering Science Studies (JMESS), Vol. 3 Issue 8, August - 2017.
11. **Najwa Jassim Jubier** “**Estimation of Radiation Shielding Properties for Composites Material Based Unsaturated Polyester Filled with Granite and Iron Particles**”, Journal of Multidisciplinary Engineering Science Studies (JMESS), Vol. 3 Issue 1, January - 2017.

12. Zainab K. Lateef , Muneer H. Alzubaidy and **Najwa J. Jubier** “**Studying the Structural Properties, FTIR and Antibacterial of Copper Oxide Thin Films**”, Wasit Journal for Science & Medicine.
13. Ahmed A.Thamir, Hashim A.Alyusr and **Najwa J. Jubier** “**Enhanced Mechanical, Electrical Properties of the Epoxy Polymer by Adding Hexagonal Boron Nitride Nanoparticles**”, Indian Journal of Natural Sciences, Vol. 8 / Issue 49 /August 2018.
14. Ahmed A.Thamir, Hashim A.Alyusr and **Najwa J. Jubier** “**TGA, DSC, DTG Properties of Epoxy Polymer Nanocomposites by Adding Hexagonal Boron Nitride Nanoparticles**”, Journal of Engineering and Applied Sciencesm14(2):567-574 · January 2019.
15. Ruaa. H. Hassani, **Najwa. J.Jubier** and Mohammed.J.Resen “**Study of Thermal Conductivity and Thermal Analysis (DSC, TGA, and DTGA) of (EPOXY-ZrO<sub>2</sub>) Nanocomposite**”. Indian Journal of Natural Sciences, Vol. 9 / Issue 50 /October 2018.
16. Hanan Obaid kathem , Mohammed Jebur Resen and **Najwa Jassim Jubier** “**Characterization of Radiation Attenuation Properties of 0.662MeV Gamma Ray Energy for Epoxy Fe<sub>3</sub>O<sub>4</sub> Composite Shields**”, Indian Journal of Natural Sciences, Vol.9 /Issue 50 /October / 2018.
17. MS Amana, **NJ Jubier**, SF Hathot, SA Flayyih, IM Alliou “**Levels of natural radioactivity and radiological indicators of hazard in some types of imported fertilizer used in Iraq**”, Conference: First International and scientific Conference kut university college, At: Iraq / kut,2017.
18. Hanan Obaid kathem , Mohammed Jebur Resen and **Najwa J. Jubier** “**Study the hardness, Young's modulus and impact strength of Epoxy/ Fe<sub>2</sub>O<sub>3</sub> and Epoxy/ AL<sub>2</sub>O<sub>3</sub> nanocomposites**”, Waist Journal for Science & Medicine Vol. 12 / Issue 1 / 2019.
19. Malik J. Zayza, **Najwa J.Jubier** and Subhi A. Al -Bayaty “**Thermal Oxidative of UP/MgO Nanocomposites Using TGA and DSC Analysis**”, World Journal of Research and Review (WJRR) ISSN: 2455-3956, Volume-10, Issue-2, February 2020 Pages 18-24.
20. Malik J Zayza1 , **Najwa J Jubier** and Subhi A Al –Bayaty “**Study The Improvement In The Dielectric Strength of (UPR/MgO) Nanocomposites**”, IOP Conf. Series: Materials Science and Engineering 757 (2020) 012006 ,doi:10.1088/1757-899X/757/1/012006.
21. Khalowd D Khemkheem , **Najwa J Jubier** and Abdul\_Hussain K Eltayef “**Study The Structural Properties of Nanostructure (TiO<sub>2</sub>: Cu) Thin Film Prepared by RF Magnetron Sputtering**”, IOP Conf. Series: Materials Science and Engineering 757 (2020) 012055, doi:10.1088/1757-899X/757/1/012055.
22. Mohammed J.R. Aldhuhaibat , Maitham S. Amana , **Najwa J. Jubier** and A.A. Salimb, “**Improved gamma radiation shielding traits of epoxy composites: Evaluation of mass attenuation coefficient, effective atomic and electron number**”, Radiation Physics and Chemistry,179(2021)109183.
23. M J R Aldhuhaibat1 , M S Amana , A J Farhan and **N J Jubier** “**Study of Cross Section Areas Ratios for Scattering Interactions of Gamma Photons in He, Fe, Fm, H<sub>2</sub>O Materials**”, IOP Conf. Series: Materials Science and Engineering 757 (2020) 012013, doi:10.1088/1757-899X/757/1/012013.
24. Subhi A. Al –Bayaty, **Najwa J. Jubier** and Raheem A.H. Al-Uqaily “**Study of Thermal Decomposition Behavior and Kinetics of Epoxy/Polystyrene Composites by using TGA and DSC**”, Journal of Xi'an University of Architecture & Technology Volume XII, Issue III, 2020.
25. Subhi A. Al-Bayaty , Raheem A.H. Al-Uqaily, and **Najwa J. Jubier** “**Using the Costs –Redfern method during Thermogravimetric analysis and Differential scanning calorimetry analysis of the thermal stability of Epoxy and Epoxy / Silica Nanoparticle Nanocomposites**”, JOURNAL OF SOUTHWEST JIAOTONG UNIVERSITY Vol. 55 No. 4 Aug. 2020.
26. Ghada A. Kadhim, **Najwa J. Jubier**, Ahmed Abed Anber “**Synthetization of Nanostructured Titanium Dioxide by Atmospheric-Pressure Plasma Jet for Bacteriological Applications** ”, Journal of Mechanical Engineering Research and Developments. 44, No. 7, pp. 69-74,2021
27. Hussien. A.Yassien , **Najwa J. Jubier**”**Effect of Adding Nanoparticles Ag<sub>2</sub>O on Mechanical Properties and Thermal Conductivity of PMMA/ Polypropylene Fiber Composites**”Journal of Physics: Conference Series, IOP Publishing (2021).

28. Saba Farhan Hathot , **Najwa.J. Jubier** , Ruaa H. Hassani , A.A. Salim"Physical and elastic properties of TeO<sub>2</sub>-Gd<sub>2</sub>O<sub>3</sub> glasses: Role of zinc oxide contents variation"Optik.VOLUME 247, December 2021,

29. Ahmed A. Thamir, **Najwa J. Jubier** , Jafer F. Odah"Antimicrobial Activity of Zirconium Oxide Nanoparticles Prepared by the Sol-Gel Method" Journal of Physics: Conference Series, IOP Publishing (2021).

30. Sarah Ahmed Hassan , Ahmed Abed Anber, Eidan Asi Abdullah , Jafer Fahdel Odah , **Najwa J. Jubier** , Ali Adnan Abd Alwahab"Electrical Properties and Optimum Conditions of A Home-Made Magnetron Plasma Sputtering System" Iraqi Journal of Science, 2021, Vol. 62, No. 11(Special Issue), pp: 4353-4363 DOI: 10.24996/ijss.2021.62.11(SI).16

31. Mohammed J.R. Aldhuhaibata , Maitham S. Amanaa , **Najwa J. Jubier** , A.A. Salim" Improved gamma radiation shielding traits of epoxy composites: Evaluation of mass attenuation coefficient, effective atomic and electron number" Radiation Physics and Chemistry, Volume 179, February 2021, 109183

32. Shaymaa S. Hashim, , Salma M. Hasan , **Najwa J. Jubier** " Structural and A.C. Conductivity for Polymerized Polypyrrole/Cu Nanocomposites" NeuroQuantology | August 2022 | Volume 20 | Issue 10 | Page 421-429 | doi: 10.14704/nq.2022.20.10.NQ55027.

33. Forat Ghulam Abed1 , **Najwa J. Jubeir** ,H.A.T. AL Ogaili" Study some parameters of ZnO nanostructures prepared by green route for plant extract (Beta vulgaris L.)" NEUROQUANTOLOGY | AUGUST 2022 | VOLUME 20 | ISSUE 10 | PAGE 6156-6164| DOI: 10.14704/NQ.2022.20.10.NQ55612

34. Ali Adnan Abd Alwahab , **Najwa J. Jubier** , Jafer Fahdel Odah "Structural properties of NiO thin films deposited by DC magnetron sputtering: Influence of the preparing features" AIP Conference Proceedings **2437**, 020102 (2022); <https://doi.org/10.1063/5.0094718>.

35. Ahmed A. Thamir, **Najwa J. Jubier** , Jafer F. Odah "SYNTHESIS AND CHARACTERIZATION OF ZrO<sub>2</sub>:Al<sub>2</sub>O<sub>3</sub> CERAMICS NANOCOMPOSITE" ARPN Journal of Engineering and Applied Sciences this link is disabled, 2022, 17(13), pp. 1331–1336

36. **Najwa.J. Jubier** , Ruaa H. Hassani , Saba Farhan Hathot, A.A. Salim"A new type of carbonate hydroxyapatite nanoparticles made from PMMA and oyster shells: evaluation of structure, morphology and biocompatible properties" Polymer Bulletin,February 2023.

37. Sadeq dawood salman, **Najwa J. Jubier**, Aseel B AlZubaidi"High quality geopolymers concrete by using binder nanometakaolin"Journal of Physics: Conference Series, OP Publishing, (iLATOS 2022).

38. Sadeq dawood salman, **Najwa J. Jubier**, Aseel B AlZubaidi" Geopolymer Concrete Production by Using Binder Nano Bauxite" Journal of Ecological Engineering 2023, 24(10), 305–314

39. Siraj R. Kareem and **Najwa J. Jubier**"GREEN SYNTHESIS AND CHARACTERIZATION OF MAGNESIUM OXIDE NANOPARTICLES FOR GAS SENSOR APPLICATION "ARPN Journal of Engineering and Applied Sciences VOL. 18, NO. 13, JULY 2023

40. Ahmed A. Thamer, **Najwa J. Jubier** , Jafer F. Odah "Synthesis and Characterization (ZrO<sub>2</sub>:MgO)Nanocomposite and Assessed Biocompatibility In Vitro By SBF and MTT Assay" AIP Conf. Proc. Volume 2922, Issue 1,14 February 2024.

41. Shaymaa S. Hashim, **Najwa J. Jubier** , Salma M. Hasan"Structural and Morphological Study for Polymerized Polypyrrole /Cu Nanocomposites" AIP Conf. Proc. Volume 2922, Issue 1,14 February 2024.

42. Forat Ghulam Abed, **Najwa J. Jubier** ,H.A.T. AL Ogaili"Study Effect of the concentration of Iron on the Synthesized Zinc Oxide via the plant extract of beetroot" AIP Conf. Proc. Volume 2922, Issue 1,14 February 2024.

43. **Najwa J. Jubier**, Kamal R. Al-Jorani b , , Atheer A. Ali, Subhi A. Al –Bayaty, and Raheem A.H. Al-Uqaily"Thermal degradation assessment, impact strength, and hardness of combination epoxy and polystyrene powder composite"Kuwait Journal of Science 51 (2024) 100271 .

44. Adyan Abdizadeh challoob and **Najwa J. Jubier**. "Green Synthesis of Ag-Cu NPs using Black Eggplant Extract as the Reducing and Stabilizing Agents: Characterization and Energy Band Gap." Journal of Physics: Conference Series. Vol. 2974. No. 1. IOP Publishing, 2025.

45. Hassani, Ruaa H., and **Najwa J. Jubier**. "Evaluating the Antibacterial Efficacy of Nanocomposite Rare Earth Oxide (CeO<sub>2</sub>: Nd<sub>2</sub>O<sub>3</sub>): An Experimental and Analytical Study." Journal of Physics: Conference Series. Vol. 2974. No. 1. IOP Publishing, 2025.

46. Salman, Wafaa K., and [Najwa J. Jubier](#). "Investigating the Antibacterial Activity of Green-Synthesized CuCO<sub>3</sub>O<sub>4</sub> Nanoparticles." *Journal of Physics: Conference Series*. Vol. 2974. No. 1. IOP Publishing, 2025.

47. Salman, Wafaa K., and Najwa J. Jubier. "Structural and Optical Properties Study of Cobalt Oxide and Copper Oxide Composite: Energy Band Gap Evaluation." *Journal of Physics: Conference Series*. Vol. 2974. No. 1. IOP Publishing, 2025.

48. Al-Ogaili, H. A. T., [N. J. Jubier](#), and A. A. Thamer. "Comparative study of Raman modes active, emission bands and thermal features of GS  $\alpha$ -Al<sub>2</sub>O<sub>3</sub> NP's." *Digest Journal of Nanomaterials and Biosturctures* Vol. 20, No. 1, January - March 2025, p. 365-372

49. Ruaa H. Hassani., and [Najwa J. Jubier](#) "Structural Characterization and Cytotoxicity Evaluation of Ce0.5Nd0.5O1.75 Nanostructures as Novel Cancer Therapeutic Agent" *J Nanostruct* 15(3): 997-1008, Summer 2025

50. Mujalli A. H. J., [Najwa J. Jubier](#) "Thermal Decomposition Behavior and Kinetic Evaluation Chitosan/PEO Blend Films Reinforced with Silver Nanoparticles" *J Nanostruct* 15(4): 1577-1587, Autumn 2025.

**Dr.Najwa J. Jubier**  
Professor

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**Dr**  
**Professor**  
**Dean of College Science**  
**Wasit University**