

Professor Dr. Zainab Naser Jameel

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الاستاذ الدكتورة زينب ناصر جميل (مدير قسم ضمان الجودة والاداء الجامعي في الجامعة التكنولوجية)

حاصلة على شهادة بكالوريوس من قسم العلوم التطبيقية/ الجامعة التكنولوجية تخصص فيزياء الليزر لعام ١٩٩٩

حاصلة على شهادة ماجستير من قسم العلوم التطبيقية/ الجامعة التكنولوجية/ تخصص فيزياء الليزر في عام ٢٠٠٥

حاصلة على شهادة دكتوراه من كلية العلوم للبنات/ جامعة بغداد/ قسم الفيزياء تخصص فيزياء الليزر والكهرو بصريات/ التخصص الدقيق التراكيب النانوية وتطبيقاتها لعام ٢٠١٥

حاصلة على لقب الاستاذية شهر ٤/٢٠٢١

حاصلة على براءة اختراع عراقية من الجهاز المركزي للتقييس والسيطرة النوعية عن الاصباغ النانوية لعام ٢٠١٥

باحث زائر في جامعة ميسوري - كولومبيا الامريكية في الولايات المتحدة الامريكية (بعثة بحثية) كجزء من اكمال متطلبات بحث الدكتوراه لمدة ستة اشهر من ٣/٢٠١٤ الى ٩/٢٠١٤

مقيم علمي للعديد من البحوث العلمية يزيد عن تقييم ٨٠ بحث علمي في العديد من المجلات العلمية المحكمة ضمن المستوعبات العالمية الرصينة سكوباس وكلاريفيت.

مقيم علمي للعديد من رسائل الماجستير واطارح الدكتوراه

تدريسية للعديد من المواد الدراسية لمرحلة البكالوريوس والماجستير في قسم هندسة الاتصالات.

المشاركة في العديد من لجان مناقشة لطلبة الماجستير والدكتوراه في العديد من الجامعات العراقية.

المشاركة في العديد من المؤتمرات العلمية داخل القطر وخارجه.

لدي العديد من البحوث العلمية المنشورة في المستوعبات العلمية سكوباس وكلاريفيت مايزيد عن ٢٢ بحث.

مشرفة على طلبة بكالوريوس و ماجستير ودكتوراه في الجامعات العراقية

لدي شهادة مدقق داخلي للجودة معتمدة

مشاركة في العديد من اللجان الجامعية الخاصة بالجودة وتقييم الاداء وجودة المختبرات واللجان الاخرى مثل متابعة سير الامتحانات الجامعية ومتابعة سير التدريسات الجامعية.

✓ حالياً مدير قسم ضمان الجودة والاداء الجامعي للجامعة التكنولوجية

منذ ١٣/٩/٢٠٢٣ ومستمرة

مدير شعبة جودة لمدة ستة سنوات قسم هندسة الاتصالات/ الجامعة التكنولوجية منذ ١٧-٩/٢٠٢٣

Name

E-mail

Degree	Discipline	Institution		Year
Ph.D	Nanostructure and their applications	University of Baghdad		2015
Msc	Laser physics and Electro-optics	University of Technology		2005
BSC	Laser physics	University of Technology		1999
Academic experience:				
Institution	Rank	Title	When	Full Time/Part Time
University of Technology/Department of Application Science		Physicist & Assist. Lect.	2000-2009	FT
University of Technology/ Research Center of Nanotechnology and Advanced Materials		Lecture & Assistant Professor Dr.	2009-2016	FT
University of Missouri-Columbia) United States (USA).		Visiting scholar	1st April to 30 <sup>th</sup> September, 2014	FT
University of Technology/ Communication Engineering Department		Assistant Professor Dr.	2016-2021	FT
University of Technology/ Communication Engineering Department		Professor	April/2021	FT
<b>Certifications or professional registrations:</b>				
<ol style="list-style-type: none"> <li>1- Visiting scholar conducting a part of my experimental research towards my doctoral thesis at the Center for Nano/ Micro Systems and Nanotechnology for six months <a href="#">In (University of Missouri-Columbia) United States of America (USA)</a>. From 1<sup>st</sup> April to 30<sup>th</sup> September, 2014</li> <li>2- Certificate of Participation in The International Conference Technologies and Materials for Renewable Energy, Environment and Sustainability (TMREES) (15-18) April 2016 Beirut-Lebanon</li> <li>3- She holds a <a href="#">patent</a> from Central Organization for Standardization and Quality Control in Iraq. The patent titled "<a href="#">Preparation of TiO<sub>2</sub> Nanoparticles with Two Phases as additives into Local Paints</a>"12/2015</li> <li>4- Bronze medal &amp; Certificate of Participation in <a href="#">iENA2016 in Nuremberg, Germany</a>, 27-30 October 2016.</li> <li>5- Certificate of Reviewing awarded August 2017 from "Journal of Colloid and Interface Science/ Elsevier.</li> <li>6- Certificate of Outstanding Contribution in Reviewing awarded December, 2018 from "Journal of Colloid and Interface Science/ Elsevier.</li> <li>7- Certificate of Excellence from the American Institute of Physics as behalf of Guest Editors in TMREES18/ Beirut-Lebanon February 1- 3, 2018.</li> <li>8- Certificate of Completion for (ISO 9001: 2015) Quality Management System, Internal Auditor Training Course (8<sup>th</sup> to 12<sup>th</sup> July 2018).</li> </ol>				

<b>Current membership in professional organizations:</b>
<ol style="list-style-type: none"> <li>1- Iraqi Association for laser (2004).</li> <li>2- Iraqi Society for Alternative and Renewable Energy Sources and Techniques (2005).</li> <li>3- Iraqi Forum of Inventors (2016).</li> </ol>
<b>Honors and awards:</b>
<ol style="list-style-type: none"> <li>1- Many Acknowledgements (more than 16 Acknowledgements from the past five years) from the president of the University of Technology</li> <li>2- Shield perfect woman for Nanotechnology Center from the presidency of the University of Technology 2013</li> <li>3- Reviewer Acknowledgement from Springer "Journal of Nanoparticle Research" 29 December 2016.</li> <li>4- Many Acknowledgements from the manger of Nanotechnology research Center and the President of Communication Engineering Department.</li> </ol>
<b>:Certificates</b>
<ol style="list-style-type: none"> <li>1- The First Scientific Conference on Nanotechnology. Adv. Mater. &amp; Their Applications, Oct. 13-14, 2009</li> <li>2- Scientific Symposium of Nanotechnology and Adv. Mater. Res. Center in the field of Applications of Adv. and Nanomaterials in renewable Energy, Feb. 15, 2011</li> <li>3- Scientific Symposium of Nanotechnology and Adv. Mater. Res. Center in an Industry and Environmental Pollution Detection, April, 18, 2011</li> <li>4- Scientific Symposium in University of Technology (Technology Incubators), July, 21, 2011</li> <li>5- Workshop of Nanotechnology in Scientific Research in Small Sizes and Large .Applications, March, 2012</li> <li>6- The Third Scientific Conference on Nanotechnology. Adv. Mater. &amp; Their Applications, Dec., 14-15, 2011</li> <li>7- Scientific Symposium of Nanotechnology and Electronic Computers, March, 31, 2013</li> <li>8- Scientific Symposium of Nanotechnology in Bio-Medical Applications, May, 8, 2013</li> <li>9- The Forth Scientific Conference on Nanotechnology. Adv. Mater. &amp; Their Appli., Sept., 3-4, 2013</li> <li>10- The First Scientific Conference on Laser applications and Adv. Mater., Dec. 16-18, 2014</li> <li>11- The Fifth Scientific Conference on Nanotechnology. Adv. Mater. &amp; Their Appli., Sept., 3-4, 2015</li> <li>12- The International Conference Technologies and Materials for Renewable Energy, Environment and Sustainability (TMREES) (15-18) April, Beirut-Lebanon, 2016.</li> <li>13- Certificate of Participation in <a href="#">iENA2016 in Nuremberg, Germany</a>, 27-30 October 2016.</li> <li>14- The International Conference Technologies and Materials for Renewable Energy, Environment and Sustainability (TMREES18) (1-3) February, Beirut-Lebanon, 2018.</li> </ol>
<b>Service activities (within and outside of the institution):</b>
<ol style="list-style-type: none"> <li>1-Reviewer for Journal of Colloid and Interface Science /Elsevier</li> <li>2- Reviewer for Journal of Nanoparticles Research.</li> <li>3- Reviewer and member in Scientific Committee for Conference Series of Technologies and Materials for Renewable Energy, Environment and Sustainability.</li> <li>4-Reviewer for Journal of Materials and Environmental Science.</li> <li>5-Reviewer for Oriental Journal of Chemistry.</li> <li>6-Reviewer for Material Science Research India.</li> <li>7-Member of the Board of Directors in Center of Nanotechnology Research Center /University of Technology, 2015-2016.</li> <li>8-Member of the Scientific Committee in Center of Nanotechnology Research. Center / University of Technology, 2015-2016.</li> <li>9-Director of Advanced Laboratories in Center of Nanotechnology Research Center / University of Technology, 2015-2016.</li> <li>10-Head of the Nano-Bio Medical Department in Center of Nanotechnology Research Center / University of Technology 2016.</li> </ol>

11-Head of the Scientific Plagiarism in Center of Nanotechnology Research Center / University of Technology, 2015-2016.

12- Director of the Division of Quality Assurance & University Performance in Communication Engineering Department. 2017- until now

Briefly list the most important publications and presentations from the past five years – title, co-authors if any, where published and/or presented, date of publication or presentation:

- 1- **Zainab N. Jameel** , Ammar H. Jreez , Saleen Salam "Preparation of Silver Nanoparticles and Their application in WasteWater Treatment", published in The Third Scientific Conference on Nanotechnology. Adv. Mater. & Their Appli., Dec., 14-15, 2011
- 2- Abdul Qader D. Faisal , **Zainab N. Jameel** "Catalytic Growth of Carbon Nanotubes on Ni Nanoparticles Prepared Using Nd-YAG Pulse Laser Technique" J. Basic Education Colloge, vol. 18, No. 73, 2012
- 3- Mohammed M. Radhi, Adawiya J. Haider, **Zainab N. Jameel** "Synthesis and characterization of grafted acrylonitrile on polystyrene modified with carbon nanotubes using gamma-irradiation" Research journal of Chemical Sciences "March 2012.
- 4- Abdul Qader D. Faisal , **Zainab N. Jameel** , Raid A. Ismail "Synthesis of Colloidal Copper oxide Nanoparticles Using Pulsed Nd:YAG Laser Ablation in Liquid" Engineering and Technology Journal, Vol. 31, No. 1, 2013/University of Technology.
- 5- **Zainab N. Jameel** , Adawiya J. Haider, Samar Y. Taha "Synthesis of TiO<sub>2</sub> Nanoparticles by Using Sol-Gel Method and Its Applications as Antibacterial Agents" Published in the 4th International Conference for Nanotechnology and Advanced Materials their Applications 6-7 Nov. 2013 published in Eng. & Tech. Journal Vol. 32. part (B). No. 3, 2014 .
- 6- Abdul Qader D. Faisal , **Zainab N. Jameel** , Ahmed A. Mossa" Synthesis Study of Silver and Gold Nanoparticles by Using Nd - YAG Pulse Laser Ablation" Eng. & Tech. Journal, Vol. 32, part (B), No. 1, P. (138-144), 2014.
- 7- **Zainab N. Jameel**, Adawiya J. Haider, Samar Y. Taha , Shubhra Gangopadhyay, Sangho Bok. "Synthesis of TiO<sub>2</sub> Nano-Solution as Self Cleaning Materials" published in 1st International Conference on Laser Applications & Advance Materials ICLAAM December 16- 18, 2014.
- 8- Adawiya J. Haider, **Zainab N. Jameel** , Samar Y. Taha "Synthesis and Characterization of TiO<sub>2</sub> Nanoparticles via Sol-Gel Method by Pulse Laser Ablation" Published in 5th International Conference for Nanotechnology and Advanced Materials and their Applications (ICNAMA 2015) 3-4 NOV. 2015, Baghdad-Iraq and published in Eng. & Tech. Journal Vol. 33 part (B). No. 5 , 2015.
- 9- **Zainab N. Jameel** "Synthesis of TiO<sub>2</sub> Nanoparticles by Sol-Gel Method using Laser Ablation for nano paint Application" University of Baghdad, College of Science for Women, Physics Department, in, June 2015.
- 10- Adawiya J. Haider, **Zainab N. Jameel** , Samar Y. Taha "Preparation of TiO<sub>2</sub> Nanoparticles with Two Phases as additives into Local Paints" patent from Central Organization for Standardization and Quality Control in Iraq, No. 4395, Dec. 2015.
- 11- **Zainab N. Jameel**, Adawiya J. Haider, Samar Y. Taha , Shubhra Gangopadhyay, Sangho Bok "Evaluation of Hybrid Sol-gel Incorporated with Nanoparticles as Nano Paint" Published in Special Issue for TMREES in American Institutes of Physics Publishing (AIP- Scitation) Vol. 1750, 2016.
- 12- **Zainab N. Jameel** "Synthesis of the gold Nanoparticles with Novel Shape via Chemical -12 Process and Evaluating The structural Morphological and Optical Properties" Energy Procedia, Elsevier, [Volume 119](#), July 2017, Pages 236-241, <https://doi.org/10.1016/j.egypro.2017.07.075>.
- 13- Adawiya Haider, Riyad Al- Anbari, Ghadah Kadhim , **Zainab N. Jameel** "Synthesis and Photocatalytic Activity for TiO<sub>2</sub> Nanoparticles as Air Purification. MATEC Web of Conferences 162, 05006 (2018): <https://doi.org/10.1051/mateconf/201816205006>.
- 14- Adawiya J. Haider, Thorria R. Marzoog, Iman H. Hadi, and **Zainab N. Jameel**, " A new Method of Functionalized Multi Walled Carbon Nanotubes by Natural Oil for Microorganism Cells Detection" AIP Conferences Proceedings 1968, 030013 (2018): <https://doi.org/10.1063/1.5039200>.
- 15- Adawiya J. Haider, **Zainab N. Jameel** and Imad Al-Hussaini "Review on: Titanium Dioxide

Applications" EGYPRO J. 2018 .

**16- Zainab N. Jameel**, Olfat A. Mahmood and Faisal L. Ahmed " Studying the Effect of Synthesized Nano-Titanium Dioxide via Two Phases on the Pseudomonas Aeruginosa and Portus Bacteria as Antimicrobial Agents" International Journal of Nanoelectronics and Materials *Volume 12, No. 3*, pp.329-338, *July 2019*.

**17- Zainab N. Jameel**, M. R. HUSSAN, "MANUFACTURING OF NANO HYBRID SOL- GEL COATING AND STUDYING THE RAMAN STRUCTURAL PROPERTIES, MORPHOLOGICAL CHARACTERISTICS AND THEIR APPLICATION AS ANTIOXIDANT FOR CONTAMINATE ROHDAMINE B (RhB) PIGMENT" Journal of Optoelectronic and Biomedical Materials, Vol. 12, No. 1, January - March 2020, p. 1 – 7.

**18-** Olfat A Mahmood, **Zainab N Jameel** and Hind W Abdullah, Effect of Different Multi-Walled Carbon Nanotubes MWCNTs on Mechanical and Physical Properties of Epoxy Nanocomposites" IOP Conference Series: Materials Science and Engineering, V. 1094 ISSUE 1, 2021.

**19- Zainab N Jameel &Halah H. Rashed,**" Preparation and Characterization of Nickel Doped Cadmium Sulfide Nanostructure Thin Films via Spray Pyrolysis Method" Key Engineering Materials (Volume 900), September 2021.

**20-Sabeer, S. , Hassib, M.D. and Jameel, Z.N. "** A Review: Error Correcting Codes for Efficient Underwater Optical Communication MIMO System" 2022 Iraqi International Conference on Communication and Information Technologies, IICCIT 2022, published in 2023IEEE, pp. 13–19.

Briefly list the most recent professional development activities:

1- Visiting scholar conducting a part of my experimental research towards my doctoral thesis at the Center for Nano/ Micro Systems and Nanotechnology for six months In ([University of Missouri-Columbia](#)) [United States of America \(USA\)](#). From 1<sup>st</sup> April to 30<sup>th</sup> September, 2014.

2- Participation in The International Conference Technologies and Materials for Renewable Energy, Environment and Sustainability ([TMREES](#)) (15-18) [April 2016 Beirut-Lebanon](#).

3- Participation in [iENA2016 in Nuremberg, Germany, 27-30 October 2016](#).

CV table

