**السيرة الذاتية الى ا.د وسام جعفر عزيز**

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| الاسم الرباعي واللقب | وسام جعفر عزيز ابراهيم الخزرجي |
| البريد الإلكتروني الرسمي | wisamj.aziz@uomustansiriyah.edu.iq |
| مكان وتاريخ الولادة | 10/10/1975 صلاح الدين/الدجيل |
| تاريخ التوظيف | 15/10/2003 |
| شهادة البكالوريا | 1998-1999 الجامعه المستنصرية / كلية العلوم |
| درجة الماجستير | الجامعه المستنصرية / كلية العلوم 2001 |
| درجة الدكتوراه | USM 2011 |
| تاريخ الاستاذ المساعد | 7/2/2015 |
| تاريخ الحصول على لقب أستاذ | 23/2/2020 |
| عدد كتب الشكر | 40 |
| عدد طلاب الدراسات العليا الذين تم الإشراف عليهم | 15 |
| عدد المناقشات لطلبة الدراسات العليا | 45 |
| أعداد الإصدارات المحلية والعالمية | 47 |
| المواد التي قام بتدريسها | الفيزياء العامة والكهرباء والكمبيوتر والرياضيات وتكنولوجيا النانو وفيزياء الحالة الصلبة للبكالوريوس والماجستير |
| اللغات التي يجيدها | اللغه العربية والانكليزية |
| الخبرة الإدارية | مسؤول مختبر الرش والمواد المغناطيسية للدراسات العليا / مسؤول لجنة المشتريات  رئيس قسم الفيزياء من 2016 -2020 |
| النشاطات | شهادة مشاركة في الدورة الدولية لتقنية النانو (MBE) من ماليزيا عام 2008  2- شهادة مشاركة في دورة السلامة المهنية في المختبرات البحثية من ماليزيا عام 2008  3- شهادة مشاركة في ورشة طرق تكنولوجيا المواد النانوية من ماليزيا عام 2010 |

**Wisam Jafer Aziz (CV)**

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| Wisam J. Aziz Ibrahim Al-Kazeragy | The quad name and surname |
| wisamj.aziz@uomustansiriyah.edu.iq | Official E-mail |
| Salah Al-den / Al-Dujail 10/10/1975 | Place and date of birth |
| 15/10/2003 | Date of employment |
| Mustansiriayh university/science college /physics 1998-1999 | Baccalaureate |
| Mustansiriayh university/science college /physics 2001 | Master degree |
| USM 2011 | PhD. degree |
| 7/2/2015 | Date of assistant prof. |
| 23/2/2020 | The date of obtaining the title of Professor |
| 40 | Number of Thanks |
| 15 | Number of graduate students supervised |
| 45 | Number of discussions for graduate students |
| 47 | Numbers of local and international publications |
| general physics, electricity, computer, mathematics, nanotechnology and solid state physics | The subjects he taught |
| Arabic and English | Languages ​​Fluent |
| Member of the Department of Electronic Laboratory for Primary Studies / Director of the Laboratory of Spraying and Magnetic Materials for Postgraduate Studies / Chairman of the Purchasing  Head of Physics Department from 2016 -2020 | Management experience |
| Certificate of participation in the International Nanotechnology Course (MBE) from Malaysia in 2008  2 - Certificate of participation in the course of occupational safety in research laboratories from Malaysia in 2008  3 - Certificate of participation in the workshop methods of nanomaterials technology from Malaysia in 2010 | Activities |

**Education**

PhD. 2011

محاكاة وتصنيع ودراسة خصائص الخلايا الشمسيه متعددة الطبقات

Title: Simulation, fabrication and characterization of multilayer coated solar cells

Master 2001

قدرة الايقاف والتطوح للايونات السريعه والقريبه من السطح

Title: Stopping power energy and straggling of soft ions near the surface

**Memberships**

عضو الجمعيه العراقيه للفيزياء والرياضيات

Member of the Iraqi Society of Physics and Mathematics

**Publication and Papers**

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| B[iosynthesis of CuO nanoparticles and synergistic antibacterial activity using mint leaf extract‏](javascript:void(0))  WJ Aziz, MA Abid, EH Hussein‏  Materials Technology, 1-5‏ (2019)  [Enhanced photocatalytic activity of Ag and Fe2O3 co-doped ZnO nanostructure under](javascript:void(0))  V[isible light irradiation‏](javascript:void(0))  RS Sabry, WJ Aziz, MI Rahmah  Materials Technology, 1-9 (2019)  S[ynthesis of CdSe and CdSe: Ga nanostructures for antibacterial application‏](javascript:void(0))  WJ Aziz‏  Bulletin of Materials Science 42 (4), 148  [Invention and Description of p-CuO /n-Si (200 oC) Heterojunction for Photodiode Applications‏](javascript:void(0))  Majid H. Hassoni, Wisam J. Aziz, Ahmed N. Abd, Nadir F. Habubi‏  Journal of Global Pharma Technology 11 (02), 601-606 |
| [ASSESSMENT OF ANTIMICROBIAL ACTIVITY OF PHYTOFABRICATED IRON OXIDE NANOPARTICLES‏](javascript:void(0))  WJA Aliyaa A. Urabe‏  Plant Archives 19 (1), 600-604‏ |
| [Biosynthesis of cobalt oxide (Co3O4) nanoparticles using plant extract of Camellia sinensis (L.) Kuntze and Apium graveolens L. as the antibacterial application‏](javascript:void(0))  AA Urabe, WJ Aziz‏  World News of Natural Sciences 24, 357-365‏ |
| [طريقة جديدة لتحضير الفضة النانوية باستخدام المستخلصات النباتية](javascript:void(0))  حنين علي جاسم وسام جعفر عزيز  براءة اختراع 51 (A61K33/38)‏ |
| [Green Synthesis, Characterization and Antimicrobial Activity of Ag Nanoparticles Using Mint Extract‏](javascript:void(0))  WJ Aziz, HA Jassim‏  American Journal of Nanosciences 4 (2), 21-25‏ |
| [Production TiO2 Nanoparticles Using Laser Ablation in Ethanol‏](javascript:void(0))  WJ Aziz, SQ Ali, NZ Jassim‏  Silicon 10 (5), 2101-2107‏ |
| [Effect shapes of nanorods, nanowires and nanobelts TiO2 on the degradation of MB photo catalyst.‏](javascript:void(0))  WJ Aziz, RS Sabry, AK Jarallah‏  Journal of Physics: Conference Series 1032 (1), 012021‏ |
| [Atmosphere and Annealing Effect on the Structural, Optical and Electrical Properties of IndiumTin Oxide‏](javascript:void(0))  ANAMOD Ehssan S. Hassan, Wisam J. Aziz‏  Journal of Engineering and Applied Sciences 13 (24), 10238-10244‏ |
| [A new paradigm shift to prepare copper nanoparticles using biological synthesis and evaluation of antimicrobial activity‏](javascript:void(0))  WJ Aziz, HA Jassim‏  Plant Archives 18 (2), 2020-2024‏ |
| [Production of TiO2 nanoparticles in different phases and shapes by using PLA and hydrothermal method‏](javascript:void(0))  AK Jarallah, RS Sabry, WJ Aziz‏  Al-Mustansiriyah Journal of Science 29 (2), 175-178‏ |
| [Fabrication of ZnO-Ag Nanocomposite and Their Antibacterial Activities‏](javascript:void(0))  WJ Aziz, NZ Jassim‏  Al-Mustansiriyah Journal of Science 29 (1), 204-207‏ |
| [Green chemistry for the preparation of silver nanoparticles using mint leaf leaves extracts and evaluation of their antimicrobial potential‏](javascript:void(0))  WJ Aziz, HA Jassim‏  World News of Natural Sciences 18 (2), 163-170‏ |
| [Effect of Laser Pulses and Energy on the Structural Properties of ZnO Thin Film Prepared Using PLA Technique‏](javascript:void(0))  AJ Ghazai, WJ Aziz, NT Yassen‏  Preprints‏ |
| [Aggregation and Characterization of ZnO Nano Particles Using Laser Ablation Technique in Ethanol‏](javascript:void(0))  WJ Aziz, MA Abid, HK Mutlk‏  Journal of Al-Nahrain University-Science 20 (4), 32-39‏ |
| [Hydrothermal controllable synthesis to convert ZnO hexagonal nanotubes to hexagonal nanorods and their photocatalytic application‏](javascript:void(0))  RS Sabry, MA Abid, B Muhsen, WJ Aziz‏  Journal of Materials Science: Materials in Electronics 27 (11), 11176-11181‏ |
| [Preparation and Characterization of Tin Oxide Nanoparticles Using (PLALl)‏](javascript:void(0))  W Aziz, R Sabry, AS Ali‏  International Journal of Industrial Engineering & Technology (IJIET) ISSN (P …‏ |
| [Novel method to transform ZnO nanorods into interlaced tattered nanosheets by changing the target inclination angle‏](javascript:void(0))  RS Sabry, AM Abbas, FS Mohammed, WJ Aziz‏  Journal of Materials Science: Materials in Electronics 27 (4), 3170-3174‏ |
| [Preparation and characterization of SnO2 nanoparticles using pulsed laser ablation in liquid‏](javascript:void(0))  APDWJ Aziz, RS Sabry, ASO Ali‏  Journal of College of Education, 237-246‏ |
| [Studying the structural and morphological properties of ZnO nanoparticles using Pulse Laser Ablation techniquen (PLA) in liquid‏](javascript:void(0))  HK Mutlk, WJ Aziz, MA Abid‏  Journal of College of Education, 281-288‏ |

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| [The influence of thickness variation on the efficiency of (InN/Si) and (GaN/Si) solar cells](http://inoe.inoe.ro/oam-rc/index.php?option=magazine&op=view&idu=908&catid=46)” Optoelectronics and Advance Materials-Rapid communications  (OAM-RC).  4:1-3. (2009) |
| The effect of porosity on the properties of silicon solar cell” Microelectronic international. 27:117-120. (2010) |
| The effect of different anti-reflection coating process on silicon solar cells performance”  World Academy of Science, Engineering and Technology. 62:1554-561. (2010) |
| The Performance of Silicon Solar Cell with Different Anti-Reflection Coating Processes”  AIP Conference Proceedings. 250:89-92. (2010) |
| The effect of anti-reflection coating of porous silicon on solar cells efficiency”  [Optik](http://www.journalogy.net/Journal/8545/optik) , vol. 122, no. 16, pp. 1462-1465, 2011. |
| MSM-Photodetectors Based on AlxGa1-xN/GaN Heterostructures Grown on Si(111) by Molecular Beam Epitaxy"  journal of education college, 2 November 2011.  Study some of physical properties of GaN/Si(100) for solar cell applications"  journal of science college, 18 April 2012. |