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**Academic Curriculum Vitae**



**Personal Information:**

Full Name: Dr. Tahseen Gafur Abdullah

Academic Title: **Assistant Professor**

Email: (tahseen.abdullah@su.edu.krd)

Mobile:+9647504496290

**Education:**

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| **Date** | **University / College / Department / Country** | **Degree** |
| 1992 | Salahaddin University-Erbil / Collage of Science / Physics Department / Iraq | BSc. in Physics |
| 1994 | Salahaddin University-Erbil / Collage of Science / Physics Department / Iraq | MSc. in (Theoretical Physics) |
| 2008 | Salahaddin University-Erbil / Collage of Science / Physics Department / Iraq | PHD. in (Quantum Solid State-Computational Physics) |

**Employment:**

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| **Academic title** | **Date of attainment** | **University / College / Department / Country** |
| **Assistant Lecturer** | **16/12/1994** | Salahaddin University-Erbil / Collage of Science / Physics Department / Iraq |
| **Lecturer** | **23/1/2002** | Salahaddin University-Erbil / Collage of Science / Physics Department / Iraq |
| **Assistant Professor** | **31/3/2016** | Salahaddin University-Erbil / Collage of Science / Physics Department / Iraq |

**Qualifications**

* Teaching qualifications

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| Date | Subject | Stage- College-University |
| 1994-2023 | Analytical Mechanics | 2nd Year Class  Department of Physics College of Science |
| 1994-2010 | Calculus  Linear Algebra  Differential Equation | 1st Year Physics  College of science |
| 2014-2020 | Solid State Physics | 4th Year Stage  Department of physics College of Science |
| 2010-2023 | Computer & Visual Programming  Computational Physics | 4th Year Stage  Department of physics College of Science |
| 1994-2023 | Practical Physics | Department of Physics  College of Science |

* **IT qualifications**
* 1- IT Tech
* 2- Super and server Computer.
* 3- Operating System: MS DOS, Linux (Red Hat) and MS Windows.
* 4- Microsoft Office:
* a) Word Processing: MS Word.
* b) Presentation: MS Power Point.
* c) Spread Sheet: MS Excel.
* d) Quantum Expresso
* 5- Computer Hardware.
* 6- Compute Programming (C++ & Pascal).
* 7- MathCAD Software Programming.
* 8- MatLab Software Programming.

**Teaching experience:**

* Analytical Mechanics – Solid State - Calculus – Differential Equation – Linear Algebra – Computer Programing / Undergraduate
* Solid State Physics / MSc Students / Post graduate
* Computational Physics / PHD Students / Post graduate

**Research and Publications**

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| **Title** | **Publication** |
| M.Sc. Thesis: Calculation of Energy Bands of Some Structures of Diamond Type Using (OPW) Method. | Salahaddin University-Erbil / College of Science / Physics Department / 12 November 1994 |
| Energy Band Structure of Diamond Lattice as Function of Lattice Parameter Using C & Si Atomic wavefunctions. | Salahaddin University-Erbil / Journal of Zanko / V.10 No.2 / 24 January 1999 |
| Energy Band Parameters of C & Si in the (OPW) Scheme | Salahaddin University-Erbil / Journal of Zanko / V.11 No.1 / 28 January 1999 |
| Analytic Hartree-Fock wave functions & Energy Gap Calculations for Si Crystal | Salahaddin University-Erbil / Journal of Zanko / V.14 No.1 / 12 January 2002 |
| Crystal Potential of Some Structures of Group IV & III-V Semiconductors | Dohuk University-/ Journal of Dohuk University / V.5 No.2/ 3 September 2002 |
| Ph.D. Thesis: Temperature Dependence of Direct and Indirect Gaps of CuGe2P3 Semiconductor. | Salahaddin University-Erbil / College of Science / Physics Department / 23 June 2008 |
| Lattice Vibration and Lattice Dilation Effects in the Temperature Dependence of the Silicon Energy Gap | *Solid State Science and Technology* / *Vol. 22, No 1 & 2 55-65* / 4 September 2014 |
| Temperature Dependence of the Energy Band Gap of CuSi2P3 Semiconductor Using PSOPW Method | Materials Science-Poland / DOI: 10.2478/msp-2018-0085/ 10 August 2018 |
| Subsurface depth dependence of nitrogen doping in TiO2 anatase: a DFT study | J. Phys.: Condens. Matter **33** (2021) 205703 |
| Electronic properties of (TiO2)33 nanocrystals with nitrogen impurities at different facets: a DFT study | Molecular Simulation, DOI: 10.1080/08927022.2021.1962010 |
| Theoretical and experimental investigation of the electronic and optical properties of pure and interstitial nitrogen -doped (TiO2)n cluster | https://link.springer.com/article/10.1007/s11082-022-03994-0 |
| First-principles calculation of the electronic structure of pure and nitrogen-doped anatase TiO2 | AIP Conference Proceedings Volume 2554, Issue 1  https://doi.org/10.1063/5.0103914 |

**Conferences and courses attended**

* Give details of any conferences you have attended, and those at which you have presented delivered poster presentations.

**Funding and academic awards**

* List any bursaries, scholarships, travel grants or other sources of funding that you were awarded for research projects or to attend meetings or conferences.

**Professional memberships**

* List any membership you hold of any professional body or learned society relevant to your research or other life activities.

**Professional Social Network Accounts:**

1. ResearchGate

<https://www.researchgate.net/profile/Tahseen_Abdullah2?ev=hdr_xprf&_sg=qldMquCXHUeaqZAJOx1grY2LyfXh7-ddLyAhudvac4PTciLzLxHb8VYn0Em6WT07YMnH7EBTHy1P7P50Z55SqNzw>

1. Linkedin

<https://www.linkedin.com/in/tahseen-abdullah-175b46122/>

1. Google Scholar

<https://scholar.google.com/citations?hl=en&view_op=list_works&gmla=AJsN-F7Q68ugPIQXQrcLcDcZ1ySVzHkwbYgq-Z8sNwffSHmiYEZ5burt0R3fLZipth8vj-NP0gnyYDDklkn3tWEO6waw9QWgWqbXrVb247umK7kE-1BfUyU&user=FEvbpLUAAAAJ>

1. Orcid

<https://orcid.org/my-orcid?orcid=0000-0003-0151-0064>

It is also recommended to create an academic cover letter for your CV, for further information about the cover letter, please visit below link:

https://career-advice.jobs.ac.uk/cv-and-cover-letter-advice/academic-cover-letter/