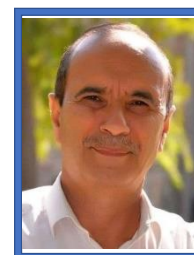




# Academic Curriculum Vitae

## Personal Information:

Full Name: **Mowfaq Jalil Ahmed**  
 Academic Title: **Assistant Professor**  
 Email: (university email): **mowfaq.amhad@su.edu.krd**  
 Mobile: 07714612357



## Education:

- B.Sc. in Physics- University of Salahaddin-Erbil/College of Education /physics Department 1986.
- M.Sc. in Physics- University of Salahaddin-Erbil/College of Science /physics Department 1991.
- Ph.D. in Physics- University of Salahaddin-Erbil/College of Science /physics Department 2007

## Employment:

| From- to     | Employ   | Department/College           | University |
|--------------|--|------------------------------|------------|
| 2018-til now | A.prof   | physics/ education           | Salahaddin |
| 2003-2018    | Lecturer   | physics/ education           | Salahaddin |
| 2007-2010    | Laboratory manager   | Ministry of higher education |            |
| 1991-2003    | Assistant Lecturer   | physics/ education           | Salahaddin |
| 1991-til now | Manager of Electronic Workshop in University of Salahaddin | physics/ education           | Salahaddin |
| 1986-1988    | Assistant physicist  | physics/ education           | Salahaddin |

## Qualifications

- **Teaching qualifications:** solid state physics, theoretical mechanics, experimental physics

- **Computer skills**                      **MATLAB<sup>®</sup>** , MS OFFICE , AutoCAD
- **Language skills**                      Arabic (native speaker)  
Kurdish (good)  
English (good)

## Teaching experience:

| From-to   | Subject                                     | Stage/College  | University |
|-----------|---|--|------------|
| 1991-1993 | Electromagnetic theory                      | 4 <sup>th</sup> year physics students/education                    | Salahaddin |
| 1991-2023 | Practical electronics                       | 3 <sup>rd</sup> year physics students /education                   | Salahaddin |
| 1993-1996 | Thermodynamics                              | 3 <sup>rd</sup> year physics students /education                   | Salahaddin |
| 1996-1997 | Electronics                                 | 3 <sup>rd</sup> year physics students/education                    | Salahaddin |
| 2008-2009 | Electronics                                 | 3 <sup>rd</sup> year physics students/science                      | Salahaddin |
| 2010-2023 | Solid state physics & theoretical mechanics | 4 <sup>th</sup> & 3 <sup>rd</sup> year physics students/ education | Salahaddin |

## Research and publications

1. Study Of Electrical.Thermoelectrical and themomagnetic Properties of The Mixed Semiconducting Compound  $\text{Cu Ge}_{2+x} \text{P}_3$ . M.Sc. Thesis (1991)
2. Optical Band Gap and Electrical Resistivity of Sprayed ZnCdS Films, Zanko Journal of pure and Applied Sciences, 13, (2001)
3. Optical Properties of Vacuum Evaporated CdSe:Ag Thin Film. Zanko Journal of pure and Applied Sciences, 16, (2004)
4. Optical Constants of the System CdSTe; Ag: Cu and Au Thin Films , Zanko Journal of pure and Applied Sciences, 18, (2006)
5. Theoretical Investigation of Electron Transport Properties in Silicon using Boltzmann transport Equation, PhD thesis , (2007 )
6. Temperature dependence of electron impact ionization coefficient in bulk silicon, *AIP Conference Proceedings* 1888, 020034 (2017)  
<https://doi.org/10.1063/1.5004311>
7. Design and Simulation of Microstrip Antenna Array Operating at S-band for

Wireless Communication System, submitted for publication in IJECES and accepted for publication

## **Conferences and courses attended**

AIP Conference Proceedings 1888, 020034 (2017)

## **Funding and academic awards**

Salahaddin university funding on " Dependence of Emission Spectrum of RGB LEDs on Ambient Temperatures and Driving Current" 4<sup>th</sup> year student, undergraduate project (2022)

## **Professional memberships**

- Kurdistan Physics Syndicate /Erbil /Iraq
- Kurdistan Teacher Syndicate /Erbil/Iraq

## **Professional Social Network Accounts:**

<https://scholar.google.com/citations?hl=en&user=pL723M0AAAAJ>

<https://www.researchgate.net/profile/Mowfaq-Ahmed>

<https://orcid.org/0000-0003-4267-2289>

<https://www.linkedin.com/in/mowfaq-jalil-ahmed-396266118/>