

# Ali Mohammed Jabbar

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## EDUCATION

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### The University of Baghdad

- M.Sc. physic-solid state 2002 – 2003

### University of Baghdad

- B.S. Physic Baghdad, Iraq 1996 - 2000

Email: [alimohammad@uomustansiriyah.edu.iq](mailto:alimohammad@uomustansiriyah.edu.iq)



## WORK EXPERIENCE

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### Mustansiriyah University

Baghdad, Iraq

- lecturer 2007- Present
  - Physics - Graduate Level
  - Electronic laboratory
  - Visual Basic 6
  - MATLAB
  - Microsoft Excel and Word

### Baghdad University

Baghdad, Iraq

- Lecturer 2005 - 2006
  - Thermodynamic physic
  - Introduction to statistical programing
  - Electric Laboratory

## RESEARCH INTEREST

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- Thin films
- Solar cells
- Detectors
- nanotechnology

## PUBLICATIONS

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- IOP Conference Series Materials Science and Engineering 2020 “*Physics of multiple level Structural and Optical Properties of Sprayed Ba Doped CdS Nanostructure Thin Films hairpin vortex structures in turbulence*”, Science China Physics, Mechanics & Astronomy, February 2016, 59:624703, with YiQian Wang , YongHua Yan , Ning Zhao, and ChaoQun Liu .
- Investigation of Co-doped Cu<sub>2</sub>O thin films on the structural, optical and morphology by SPT
- IOP Conference Series Materials Science and Engineering 2020  
 ◦ *Structure and Optical properties of ZnSe thin Films*

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*Attidella "FONDAZIONE GIORGIO RONCHI"'*

- *Characterization of ZnO Thin Film/p-Si Fabricated by Vacuum Evaporation Method for Solar Cell Applications*  
*NeroQuantology 2020*
- *"Some Results from the Upwinding Compact Scheme on Continuous and Non-continuous Functions"* September 2019 , Journal of Physics Conference Series 1294:032006 , DOI: 10.1088/1742-6596/1294/3/032006 , with H., Sabri, M.A., Hameed, S.Z
- *"Reduce of Energy Gap of Cuo Nano Structure Film by Ag Doping*  
*Journal of Green Engineering (JGE)*

## SKILLS & INTERESTS

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- ***Teaching and consultation skills:***
  - Create a student-centered educational environment based on mutual respect and collaboration
  - Meet deadlines and work with a high level of multicultural awareness and adaptability
  - Teach private lessons in Physic and computer science to high school and college students
  - Assist students select math classes and prepare appropriate projects and presentations
- ***Online teaching and technology skills:***
  - Foster interaction and communication with and between students during the online learning experience
  - Modify the instructional practices and pedagogical techniques used in face-to-face settings for the online environment
  - Use telecommunication tools in support of instructional methodologies that can encourage student collaboration and knowledge acquisition
  - Devote time to assisting students by motivating them, counseling them, offering just-in-time support, and monitoring their performance
  - Manage collaborative groups and have excellent time management
  - Help to create effective learning environments that engage students
- ***Computer programing skills:***
  - Matlab, Visual Basic,
  - Oracle Database, Microsoft Office.