

CURRICULUM VITAE

PERSONAL

- **Name** : Muwaffaq Abdullah Abbas Al-Mossawi.
- **Place of Birth**: Iraq-Province of Thi-qar, Nassiriya.
- **Date of Birth**: 1st May 1972.
- **Nationality** : Iraqi
- **Marital Status** : Single
- **Languages** : Arabic And English
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EDUCATION

- B. Sc. In Physics, University of Basrah, College of Education, 1995.
- Physics of nanostructure semiconductors Amplifiers, University of Baghdad-College of Science for Women, 2009.
- Certificate of Proficiency in English Language Test, Ministry of higher Education and Scientific Research, Basrah University, 2002.
- A member of Iraqi society of Physics and mathematics since 1998 until now, Baghdad-Iraq, No.5063.
- A staff member in Physics Department, University of Thi-Qar - Iraq.

ACADEMIC EXPERIENCE

- Solid State experiment, physics Department, College science, University of Thi-Qar, [2002-2006].
- Logic experiment, physics Department, College science, University of Thi-Qar, [2002-2006].
- Electrical experiment, physics Department, College science, University of Thi-Qar, [2002-2006].
- Electronic experiment, physics Department, College science, University of Thi-Qar, [2002-2006].
- Modern Physics Theoretical, physics Department, College science, University of Thi-Qar, [2009 , 2010].
- Computer Theoretical, physics Department, College science, University of Thi-Qar, [2013 , 2014 and 2015].

WORK EXPERIENCE

- A thesis titled "A Study of Electronic and Optical Properties of ZnO-MgZnO Quantum-Dot Semiconductor Optical Amplifiers" submitted to the College of Science for Women, Baghdad University, in partial fulfillment of M.Sc. degree requirements in physics, 2009.
- A paper titled "ZnO-MgZnO Quantum-Dot Semiconductor Optical Amplifiers ", accepted for publication in Journal. Recent Patents Electrical Engineering, Vol. 2, pp. 226-238, 2009.
- A paper titled "CdSe/ZnSe Quantum-Dot Semiconductor Optical Amplifiers" Insciences J. , 52-62, 2012.
- A thesis titled "Second Order Nonlinearity in Quantum-Dot Semiconductor Structures" submitted to the College of Science, Baghdad University, partial fulfillment The Requirements For the Degree of Doctor of Philosophy in Physics, 2015.
- A paper titled "Second-order nonlinear susceptibility in quantum dot structure under applied electric field", Superlattices and Microstructures, Elsevier, 82 , 219-233, 2015.
- A paper titled " Terahertz emission in ladder plus Y-configurations in double quantum dot structure", Applied Optics, OSA, 54, 5186-5192, 2015.
- A paper titled " Millimeter waves from frequency generation and optical rectification in quantum dot structure", Opt Quant Electron (2016) 48:15, Springer.