

Curriculum Vitae, Education and Research

Manar Abd-Elrahman Ali

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Google scholar link:

<https://scholar.google.com.eg/citations?user=OjqJSFgAAAAJ&hl=ar>

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❖ Curriculum Vitae

- ✓ Name : Manar Abd-Elrahman Ali
- ✓ Date of Birth : 1-11-1988
- ✓ Place of Birth : Assiut Governorate
- ✓ Nationality : Egyptian
- ✓ Sex : female
- ✓ Marital Status : Married
- ✓ Major Field : Experimental Solid State Physics

- ✓ Academic Positions: Phys. Dept., Faculty of Science, Assiut Univ., Egypt.
Administrator from May 2011 up to now.

❖ **Education**

B.Sc. Degree (Physics), June 2009, Department of Physics, Faculty of Science, Assiut University, Assiut 71516, Egypt.

❖ **Experimental Expertise**

- **Preparation Method of nanostructure semiconductor**
 - chemical co-precipitation
 - Microwave irradiation
 - sonochemical
 - Ball milling
 - Sol- gel
- **Thin film preparation Method of nanostructure semiconductor**
 - Thermal evaporation
 - Chemical bath deposition
 - Dip coating
 - spray pyrolysis
 - spin coater

❖ **Characterization**

- High Resolution Transmission Electron Microscope (HRTEM).
- Scanning Electron Microscope (SEM)
- X-Ray Diffraction (XRF)
- Photoluminescence (PL)
- Optical Absorption (OA)

- Selected Area Electron Diffraction(SAED)

❖ **Recent Research interest:** Studying the doping effects on structural, optical absorption, photoluminescence and electrical properties of ZnO nanocrystals