

CURRICULUM VITAE



Personal Data

Name: Ahmed Mohamed Abdel-Baset (A.M. Abdel-Baset)

Gender: Male

Nationality: Egyptian

Date of Birth: October 20, 1978

Place of Birth: Kuwait - Kuwait

Marital Status: Married

Military Status: Full Exemption

Occupation: Lecturer

Contact Information

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Academic Qualifications

1. University Degrees:

1. B. Sc. in Physics (2001)

Very Good (Accumulative 81.794%)

Physics Department, Faculty of Science, Assiut University, Assiut, Egypt.

2. M. Sc. In Experimental Solid State Physics (2006)

"Structure correlation of Amorphous AsGeSe Specimens"

Physics Department, Faculty of Science, Assiut University, Assiut, Egypt.

3. Ph. D. In Experimental Solid State Physics (2011)

"Reverse Monte Carlo simulation of germanium selenium tellurium glasses"

Physics Department, Faculty of Science, Assiut University, Assiut, Egypt.

2. Employment History:

1. Demonstrator at Physics Department, Faculty of Science, Assiut University (April. 2003 to May. 2006).

2. Assistant Lecturer at Physics Department, Faculty of Science, Assiut University (May. 2006 to Mar. 2011).

3. Lecturer at Physics Department, Faculty of Science, Assiut University (Mar. 2011 till now).

3. Physics Experiences:

1. Monte Carlo simulation.
2. Molecular Dynamics simulation
3. Amorphous structure.
4. Semiconductor properties.
5. Teaching labs and lectures for undergraduates.

4. Computer Experiences:

1. Operating System.
2. Microsoft Office.
3. Visual Basic.Net, C++, FORTRAN.
4. Mathematica, Matlab.
5. Origin.
6. Macromedia Flash, Swish, Adobe Photoshop.
7. A Tutor, Moodle.
8. Monte Carlo and Molecular Dynamics Simulation Programs.

5. Languages:

1. Arabic (Mother Language).
2. English (Good).
3. German (novice).

6- Human development:

Present some training program in FLDC (Faculty and Leadership Development Center – Assiut University)

1. Research Ethics (15 – 17 Jan. 2011)
2. Strategic Planning (18 - 20 Dec. 2010)
3. Conference Organization (20 – 22 Nov. 2010)
4. International Publishing of Research (6 - 8 Nov. 2010)
5. Research Team Management (16 - 18 Oct. 2010)
6. Credit hours system (1 - 3 Mar. 2008)
7. Legal aspects of university (25 - 27 Mar. 2006)
8. Recent trends in teaching (2 - 14 Apr. 2006)
9. Effective Presentation Skills (12 - 14 Mar. 2006)
10. Thinking Skills (5 – 7 Mar. 2006)

7. Conferences (Certified):

1. The Egyptian society of crystallography and its application (ESCA) (27 Nov. – 2 Dec. 2004, Assiut, Egypt)

2. The first conference for young scientists basic science & technology. Organized by faculty of science, Assiut University. (May 5-6, 2007, Assiut, Egypt).
3. The third conference for young researchers, basic science & technology. Organized by faculty of science, Assiut University. (Apr. 19-20, 2011, Assiut, Egypt).

8. Prizes:

1. The best oral presentation prize in the first conference for young scientists basic science & technology. Organized by faculty of science, Assiut University. (May 5-6, 2007, Assiut, Egypt).

9. Publications:

1. "Structural correlations of AsGeSe glasses"
A.H. Moharram, **A.M. Abdel-Basit**
Physica B 358 (2005) 279, (*Imp. fac.: 0.796*).
2. "Reverse Monte Carlo Simulation of $\text{Ge}_x\text{Se}_{100-x}$ Glasses"
A.H. Moharram, **A.M. Abdel-Baset**
Physica B 405 (2010) 4240, (*Imp. fac.: 1.056*).
3. "Short and intermediate range order of $\text{Ge}_{20}\text{Se}_{80-x}\text{Te}_x$ glasses"
A. H. Moharram, M. A. Hefni, **A. M. Abdel-Baset**
Journal of Applied Physics 108 (2010) 073505, (*Imp. fac.: 2.072*).
4. "Structural Correlations of $\text{Ge}_{20}\text{Se}_{80-x}\text{Te}_x$ Glasses Based on Reverse Monte Carlo Simulation"
A.H. Moharram, **A.M. Abdel-Baset**
Journal of Alloys and Compounds 508 (2010) 37, (*Imp. fac.: 2.135*).

10. Aim of Future Studies:

Study the structure of nanomaterials using Monte Carlo and molecular dynamics simulation.