

CURRICULUM VITAE

Personal Data

Name : Ghada Abbady Elsayed Abbady
Gender : Female
Nationality : Egyptian
Date of Birth : November 22, 1979.
Place of Birth : Assiut – Egypt.
Occupation : Assistant Professor
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Research information

Research ID: <https://www.scopus.com/authid/detail.uri?authorId=24385468300>
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Academic Qualifications

University Degrees

B. Sc. in Physics (2000), Grade: Very Good (Accumulative 79.429%).

❖ Physics Dept. Faculty of Science, Assiut University, Assiut, Egypt.

Courses attended in Diploma (2002):

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|-----------------------------|--------------------|
| 1- Quantum mechanics | 2- Optional course |
| 3- Programming and computer | 4- Metal Physics |
| 5- Thin Film | 6- Optical Course |
| 7- Practical Course | |

Graduation grade: Very good.

M. Sc. Grad in solid state Physics (2006).

Thesis Title: Investigation of the precipitates developed in Al-1at%Mg-xat%Si Alloys.

- ❖ Physics Dept. Faculty of Science, Assiut University, Assiut, Egypt.

Ph. D. Grad in solid state Physics (2011).

Thesis Title: Characterization of the developed precipitates in Al- Mg- Zn alloys.

- ❖ Physics Dept. Faculty of Science, Assiut University, Assiut, Egypt

Further

1- Computer science.

- Operating System.
- Microsoft office Packages (word-Excel-Database-Power Point-PhotoShop).
- Plot programs (Origin- Deltagraph).
- Familiar with (Photoshop and Flash).

Research Experiences

1. Low resistance measurements.
2. X-ray diffraction using the powder technique.
3. Thermal analysis by DTA, DSC, TGA technique.
4. Vacuum techniques.
5. Mechanical Properties (Micro hardness Tests, Tensile Tests).
6. Electron microscopy (SEM and TEM) Techniques.
7. Measurements of the Optical, Thermal, Mechanical and Electrical properties of thin films.

Further Experiences

1. Familiar with Mathematic physics and Computer Programming.
2. Excellent command of English Language.
3. Assistance in teaching labs and lectures for undergraduates.

Employment History

1. Demonstrator at physics Department, Assiut University (Dec. 2000 to April 2006).
2. Assistant Lecturer at physics Department, Assiut University (Dec. 2006 to June 2011).
3. Lecturer at physics Department, Assiut University (June 2011 to Aug. 2013).
4. Assistant Professor in Taibah University, Almadinah Almunawarah, kingdom of Saudi Arabia (Sep. 2013 to July 2015).
5. Assistant Manager of Egyptian E-Learn University, Assiut Branch (Sep. 2015 to June 2016).
6. Lecturer at physics Department, Assiut University (July 2015 till now).

Conferences and workshop

- Training course in Semiconductors (Germany, 2002).
- Workshop on Material Science and Radiation Physics (Assiut University, Egypt, Dec. 2003).
- Training course in Electron Microscopy (Assiut University, Egypt, 2005).
- The First Conference for Young Scientists Basic Science & Technology Assiut University, EGYPT, as Oral May 2007.
- The First Conference for Young Scientists Basic Science & Technology Assiut University, EGYPT, as Poster May 2007.
- The 3rd Scientific Conference for Young Researchers for Basic Science & Technology, Assiut University, Egypt as Oral on 19th and 20th of April 2011.
- TMS 2013, 142nd Annual Meeting & Exhibition (The Minerals, Metals & Materials Society), 3-7 March 2013, San Antonio, Texas, USA.
- Pearson Faculty Change Management year 1 training program, 2014-2015, Taibah University, Almadinah Almunawarah, KSA.
- The Fifth International Conference for Young Scientists In Basic Science And Applied Science “Recent Approaches In Basic And Applied Science”, Faculty Of Science, Assiut University, EGYPT, 2016.

Publications

1. Influence of Si concentration on the precipitation in Al-1 at.% Mg alloy, N. Afify, A. Gaber, M.S. Mostafa and **Gh. Abbady**, Journal of Alloys and Compounds, 462 (2008) 80-87.
2. Effect of heat treatment on the precipitation in Al-1at%Mg-xat%Si (x= 0.6, 1.0 and 1.6) alloys, A. Gaber, N. Afify, M.S. Mostafa and **Gh. Abbady**, Journal of Alloys and Compounds, 477 (2009) 295-300.
3. Fine scale precipitates in Al-Mg-Zn alloys after various aging temperatures, N. Afify, A. Gaber and **Gh. Abbady**, Materials Sciences and Applications, 2 (2011) 427-434.
4. Characterization of the Developed Precipitates in Al-2 at.%Zn -x at.%Mg, (x=1.8, 2, 2.4, 3, 4.2), N. Afify, A. Gaber, **Gh. Abbady**, Light Metals, 431-436, 2013, TMS (The Minerals, Metals & Materials Society), (2013).
5. Investigation of optical properties of amorphous $\text{Ge}_{15}\text{Se}_{85-x}\text{Cu}_x$ thin films using spectroscopic ellipsometry, E.R. Shaaban, M. Emam-Ismail, **Gh. Abbady**, Deo Prakash, M. El-Hagary, N. Afify and K.D. Verma, Solid State Sciences 52 (2016) 65-71.
6. Electrical and thermoelectric properties of different compositions of Ge-Se-In thin films, K.A.Aly, A.Dahshan, **Gh. Abbady** and Y.Saddeek, Physica B 497 (2016) 1-5.
7. Linear and non-linear optical properties of amorphous Se and M_5Se_{95} (M=Ge, Ga and Zn) films, **Gh. Abbady**, K.A.Aly, Y.Saddeek and N. Afify, Bulletin of Materials Science, Vol. 39, No. 7, (2016) 1819–1825.
8. Optical and structural evaluation of bismuth alumina-borate glasses doped with different amounts of (Y_2O_3), Yasser B. Saddeek, K. Aly, **Gh. Abbady**, N. Afify, KH. S. Shaaban and A. Dahshan, Journal of Non-Crystalline Solids 454 (2016) 13–18.
9. Discussion of the physical properties of $\text{MoO}_3\text{-V}_2\text{O}_5\text{-PbO}$ films, K.A. Aly, Y. Saddeek, **Gh. Abbady** and S.R. Alharbid, , Journal of Non-Crystalline Solids 475 (2017) 161–166.
10. Structural, optical and magnetic properties of Gd-doped ZnO thin films for spintronics applications, E. R. SHAABAN, **Gh. ABBADY**, EL SAYED YOUSEF, A. M. GOMAA, SAFWAT A. MAHMOUD AND N. AFIFY, OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS Vol. 13, No. 3-4, (2019) 235 - 242.

11. Thermal stability and crystallization kinetics of $\text{Ge}_{13}\text{In}_8\text{Se}_{79}$ chalcogenide glass, **Gh. Abbady** and Alaa M. Abd-Elnaiem, PHASE TRANSITIONS, <https://doi.org/10.1080/01411594.2019.1619178>, (2019).
12. Influence of anodizing voltage and electrolyte concentration on Al-1 wt% Si thin films anodized in H_2SO_4 , Alaa M. Abd-Elnaiem, **Gh. Abbady**, Dalia Ali and T. B. Asafa, Materials Research Express, <https://doi.org/10.1088/2053-1591/ab2848>, Accepted (2019).
13. A thermal analysis study of melt-quenched $\text{Zn}_5\text{Se}_{95}$ chalcogenide glass, Alaa M. Abd-Elnaiem and **Gh. Abbady**, journal of Alloys and Compound, 818, (2020), 152880, 1-11.
14. Optical parameters and electronic properties for the transition of the amorphous-crystalline phase in $\text{Ge}_{20}\text{Te}_{80}$ thin films, **Gh. Abbady**, Ammar Qasem and Alaa M. Abd-Elnaiem, journal of Alloys and Compound, 842, (2020), 155705, 1-13.
15. The effective role of dilute Co on SnO_2 nanoparticles: Structural, optical and magnetic characterization properties for spintronics, N. Afify, **Gh. Abbady**, D. Hamad, R.F. Abdelbaki, El Sayed Yousef, E.R. Shaaban, Mohamed N. Abd-el Salam, Sensors and Actuators A 331 (2021) 112984
16. Structural correlation and electrical conductivity of GeSe_2 and $\text{GeSe}_{1.8}\text{Sn}_{0.2}$ chalcogenide glassy alloys, A.A.A. Darwish, **Gh. Abbady**, A.M. Abdel-Baset and M. Rashad, Submitted PHASE TRANSITIONS (2021).
17. Effect of composition and coordination number on some fundamental parameters in the Ge-Se glass, **Gh. Abbady**, Submitted Iranian Journal of Science and Technology, Transactions A: Science (2021).

Awards

- 1- The First Conference for Young Scientists Basic Science & Technology Assiut University, EGYPT, as the **best poster** “Effect of Aging t on the precipitation and Dissolution Reaction in Al-Mg- Si Alloys “May 2007
- 2- The **best research in fundamental Science** “A thermal analysis study of melt-quenched $\text{Zn}_5\text{Se}_{95}$ chalcogenide glass”, Faculty of Science, Assiut University, 2019/2020.

Language

Language	Writing	Speaking	Understanding
Arabic	Mother Tongue	Mother Tongue	Mother Tongue
English	Very good	Very good	Excellent

Deutsche	Fair	Fair	Fair
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Aim of Future Studies:

To complete my research in **theoretical** or **experimental** one of the following subjects:

- 1- Material science and engineering.**
 - 2- Medical Physics.**
 - 3-Polymers Science.**
 - 4- Laser (Fabrication and application).**
 - 5- Conductors and Semiconductors (Preparation and application).**
 - 6- Optical communications.**
 - 7- TLD and its applications.**
- Or other related subjects.**

