

AUTOBIOGRAPHY

Full Name: Prof. Dr A.Y.Abdel-latief

First Name: Atta Yousef

Family Name: Abdel-Latief

Sex: Male

Birth date: June 18th 1955

Birth place: Almonya, Egypt

Nationality: Egyptian

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Foreign Language : English

-Schools: October 1961-July1967 Shm-Elkoblya Primary School-Elmonya

October1967-July 1970 Abba-Elwakf Preparatory School-Elmonya

October 1970-July1973 Maghagha Secondary School-Elmonya

-High Education:

- October 1973-July1978 –Assiut Univ. Faculty of science, **B.Sc. Physics** with general grade very good .

-October1980-March1984 – Assiut Univ. Faculty of science, **M.Sc. Physics**. "Thermal and Electrical properties of some Al-Si alloys from 300-800K".

-September 1987-December 1991- **Zech-Republic**, Charles Univ-Faculty of Mathematics and Physics-Department of Metal Physics, **Ph.D (solid state Physics)**, "Dynamic softening of spinodal Cu-Ni-Sn alloy Under hot working conditions".

-Occupations:

-October 1978-March 1984, **Instructor** in phys. Depart. Faculty of Science, Assiut University.

-March 1984-Feber.1992- **Assistant Lecturer** in phys. Depart. Faculty of Science, Assiut University.

-Faber.1992-Faber.2004 **Lecturer** in phys. Depart. Faculty of Science, Assiut University.

-Faber.2004 – May2015 **Associate Prof. (Experimental Solid State Physics)**. Phys. Depart. Faculty of Science, Assiut University

-**28May 2015 – tell now Prof. Of Material Science**, Phys. Depart. Faculty of Science, Assiut University

-Absence on leave from Sept.1995-Agust 2003 to work as **Prof Assistant** in the faculties of education in **Sultanate of Oman**.

-Teaching experience

-During this long period I gained the enough experience to teach:

1- The basic physics courses for science and engineering (Mechanics, Heat and Thermodynamics, Electricity and Magnetism, Geometrical and Physical Optics, Modern physics, Electromagnetic theory, vibration and waves, experimental physics courses).

2-The solid state physics courses (Physics of Metals and ceramics, crystal growth and properties of crystals, solid state physics, Semiconductor physics and its applications-Physical electronics-high level experimental solid state physics courses).

3-The B.Sc. projects (fiber optics, semiconductor applications, fabrication and characterization of Nano-materials).

4-The postgraduate courses (Metal physics, Phase transformations in solids, Advanced semiconductor physics, thermal analysis, Experimental solid state physics, methods of experimental physics).

-Research activities:

1-Publication list includes tell now 29 articles already published in international journals and conferences.

2- A member of the supervision team for 9 (M.Sc and Ph.D) thesis, 5 of them are already obtained their degrees and the rest are under preparation

3- A member of the team-work responsible for constructing nano-materials and material science center at the faculty of science, Assiut University.

4-A member of the team- work of Dr Srour Lab. for studying the thermal, electrical and optical properties of semiconductor materials (in the form of bulk, thin films or nano-materials).

5- Scientific membership:

a)- The international Union of Crystallography since 1984.

b)- The Egyptian Society of Solid State Physics since 1984.

c)-The Egyptian Society of Crystallography since 2005.

6-Good Experience in dealing with

a)- High vacuum techniques and Lab. construction

b)- Preparation of lab. Samples from (Metallic alloys, Chalcogenide glasses, Thin films, nano-materials)'

c)- Thermal analysis measurements and data analysis (DTA, DSC, TG, TMA).

d)-Structural characterization of (metallic alloys, semiconductor bulk or thin film, nano-materials) by using XRD, SEM, TEM, AFM, FTIR techniques.

e)-Measurements and data analysis of the thermal induced effects on the transport properties (thermal, electrical, optical) of different types of solids (metallic alloys, semiconductor bulk or thin film, nano-materials) in low and high temperature ranges.

f)- Measurements of mechanical properties under static and dynamic conditions (Hardness, Tensile ,compression and creep tests) and data analysis.

7-Conferences and Workshops:

Attendance of 10 scientific international and national conferences, workshops and training courses in physics and material science.

- Foreign contact:

1-Prof. Dr Peter Kratochvil, DSc, Metal physics Dept., Faculty of Mathematics and Physics, **Charles Univ., Zech. Republic.**

2-Prof. Dr Peter Lukac, DSc, Metal physics Dept., Faculty of Mathematics and Physics, **Charles Univ., Zech. Republic.**

3-Prof. Kienji Matsuda, Graduate School of Science, Engineering Section of Nano-material of system and life science faculty, **University of Toyama , Japan.**

4-Prof.Kiyoshi terayama, Graduate School of Science Engineering University and life Science Faculty Engineering of **Toyama University, Japan**

5-Prof. Atsushi Saiki, Graduate School of Science Engineering, **University of Toyama, Japan.**