



CURRICULUM VITAE

Salwa Sayed Mohamed Abd-El-Hafiz

I. PERSONAL DATA:

1. **Full Name:** Abd-El-Hafiz..... Salwa..... Mohamed.....
Family name First Middle
2. **Place & Date of Birth:** El-Minia, Egypt. & 03 /0 1 / 1979.
3. **Nationality:** Egyptian.
4. **Married** Yes: No: Number of children: 3
5. **Permanent Address :** Al- Minia & Al- Fayum, Egypt.
6. **Present Address:** Al-Baha, Saudi Arabia.
7. **Egyptian Telephone:**
8. **Present Tel. (Saudi):** 00966537341045
9. **E- mail :** salwamhmod@yahoo.com, sabdelhafeez@bu.edu.sa, Salwamhmod29@gmail.com
10. **Expérience:**
- 1- Science Teacher from 1-7-2001 tell 8-11-2008.
 - 2- I have taught experimental physics for different faculties (science, Pharmacy, Dentist, computer science, education) Minia university.
First semester (2003/2004) and First semester (2006/2007).
 - 3- Lecture, King Khaled University, women's Centre, Biology department, Abha, Saudi Arabia. From 17-11-2008 Tell 5-9-2011.
 - 4- Assistant professor, Al-Baha University, faculty of science, physics department.
from 12-9-2011 up **tell now**.
11. **Curent occupation :** Assistant professeur, Al-Baha University, faculty of science, physics departement.
from 12-9-2011 Tell now.

II. ACADEMIC QUALIFICATIONS:

Degree	University	Country	Year	Field of Specialization
B. Sc.	El-Minia	Egypt	2000	Physics
M.Sc.	El-Minia	Egypt	5/2006	Physics (Nuclear)
Ph. D	El-Minia	Egypt	9/2010	Physics (Applied Nuclear)

III. Languages/Special Skills:

Arabic	Speaking <input checked="" type="checkbox"/>	Reading <input checked="" type="checkbox"/>	Writing <input checked="" type="checkbox"/>
English	Speaking <input checked="" type="checkbox"/>	Reading <input checked="" type="checkbox"/>	Writing <input checked="" type="checkbox"/>
Computer Skills	Windows (XP, Vista, Windows 7, windows 8), MS Office XP, (2000, 2003, 2007, 2010, 365) Power Point, Publisher, Excel, Access, Various graphic programs (Sigma Plot).		

IV. COURSES TAUGHT

- ✚ I have taught experimental physics for different faculties (science, pharmacy, Dentist, computer science, education) Minia University.
- ✚ I have taught the following Courses at King Khalid University, Abha, Saudia Arabia:
 - ❖ "101 Phys. Introduction to physics " faculty of science biology department
 - ❖ "104 Phys. Introduction to physics" faculty of computer science.
 - ❖ "102 Phys. Introduction to physics" Health sciences program.
- ✚ I have taught the following courses at Al-Baha University, Saudia Arabia.
 - ❖ Nuclear Physics (1),
 - ❖ Nuclear Physics (2).
 - ❖ Radiation physics.
 - ❖ Reactor physics
 - ❖ solid state physics (1)
 - ❖ Modern Physics.
 - ❖ Medical Physics pharmacy college
 - ❖ Mathematical Physics (1)
 - ❖ Classical Mechanics (1)
 - ❖ Waves and Vibrations
 - ❖ General physics (1).
 - ❖ General physics for computer science.
 - ❖ Electronics (1),
 - ❖ Electronics (2).
 - ❖ Project.

Title of M. Sc

**POSITRON ANNIHILATION TECHNIQUE AS A PROBE FOR STUDYING
SOME PHYSICAL PROPERTIES IN POLYMERS**

"دراسة بعض الخواص الفيزيائية في البوليمرات بطريقة الفناء البوزيتروني"

Title of Ph. D

**PHYSICAL PROPERTIES STUDY IN POLY(HYDROXYBUTYRATE)
COPOLYMER REVEALED BY POSITRON ANNIHILATION SPECTROSCOPY**

دراسة الخواص الطبيعية في البولي هيدروكس بيوترات باستخدام أطياف الفناء البوزيتروني

Current Research Interests:

The major emphasis of our research approach is on the characterization of physical and engineering properties of materials. We have focused our instrumental development, specializing in nanoscopic (i.e., in angstrom level), in-situ, non-destructive, non-invasive, and non-conventional investigations. We have developed an innovative nuclear technique, positron annihilation spectroscopy which involves using the anti-particle of the electron- the positron and the gamma ray spectroscopy. We also employ other analytical techniques for complete materials characterizations, such as DSC, X-rays and SEM instruments.

Papers published in refereed international journals:

- 1- Hamdy F. M. Mohamed, E. E. Abdel-Hady, and [Salwa S. Mohamed](#) "Temperature dependence of the free volume in polytetrafluoroethylene studied by positron annihilation spectroscopy" Radiation Physics and Chemistry 76 (2007) 160-164. Cited by 18
- 2- Hamdy F. M. Mohamed, [E.E. Abdel-Hady](#), and [Salwa S. Mohamed](#) "Irradiated polymethylmethacrylate studied by positron annihilation spectroscopy" phys. stat. sol. (c) **4 No 10**, (2007) 3722. Cited by 6

Papers published in refereed local Journals and conference proceedings

1. Hamdy F. M. Mohamed, E. E. Abdel-Hady, and [Salwa S. Mohamed](#) "A Study of pure and doped polytetrafluoroethylene using Doppler broadening positron annihilation spectroscopy" presented in 7th Radiation Physics Conference, Nov. 29-30, 2004 (Ismailia, Suez Canal).
2. Hamdy F. M. Mohamed, [E.E. Abdel-Hady](#), and [Salwa S. Mohamed](#) "Microstructure analysis of the Effect of glass on polytetrafluoroethylene by Positron Annihilation Spectroscopy", Presented in The XXV Conference on Solid State Physics and Materials Science & Workshop on Photonic Materials and Optoelectronic Devices (II) 6-10 March 2005 (Luxor, Egypt).
3. Hamdy F. M. Mohamed, E. E. Abdel-Hady, and [Salwa S. Mohamed](#) "Irradiated polymethylmethacrylate studied by positron annihilation spectroscopy" **presented** in the fourth NDT African Regional Conference on Non-Destructive Testing (AFNDT) 11-13 February 2006, Cairo, EGYPT.
4. R. M. Abdel-Latif, Hamdy F. M. Mohamed, E.E. Abdel-Hady, and [Salwa S. Mohamed](#) "The Effect of temperature on the free volume in polytetrafluoroethylene by Positron Annihilation Spectroscopy", 8th Arab

International Conference on Polymer Science & Technology 27-30 November 2005,
Cairo-Sharm El-Shiekh, Egypt.

5. E. E Abd-El-Hady, R. M. Abd-El-Latife, and [Salwa S. Mohamed](#) " Free volume Structure and Properties of Microbial Poly(3-hydroxybutyrate)/ Poly(methyl methacrylate) Blends Via Positron Annihilation Lifetime Spectroscopy"
7th Conference on Nuclear and Particle Physics 11-15 November. 2009 Sharm El-Sheikh, Egypt. (**Accepted**).
6. E. E. Abdel-Hady and [Salwa S. Mohamed](#) "Gamma irradiation effect on biodegradable poly (hydroxybutyrate) studied by Positron Annihilation Technique" Proceedings of the 4th Environmental Physics Conference (EPC' 10)
10-14 March 2010 Hurghada, Egypt.

REFERENCES:

❖ **Prof. Esam El-sayed Abd-El Hady.**

Position: Professor of applied nuclear physics- Faculty of Science, El-Minia University, Egypt

Mobil Number: +201222437840

E-mail: esamhady@link.net

❖ **Prof. Abd-el Razik Zaki Hussein,** Atomic Energy Authority, Cairo, Egypt.

Mobil Number: +201005220073

E-mail: hussain43@hotmail.com

❖ **Prof. Hamdy M. Mahmoud, Farghaly**

Position: Professor of applied nuclear physics- Faculty of Science, El-Minia University,
Egypt.

Mobil number: 00201208281849

E-mail: hamdyfm@link.net