



## **Abdel Hamid Abdel Wanis Saad Sakr.**

Assistant prof of physics, Faculty of science, Damanhur University, Damanhur, Egypt.

Acting at the Faculty of Community Service and Environmental Affairs,  
Faculty of Computers and Information, Damanhur University

*Office Address:*

Faculty of science Physics Dept. ,  
Damanhur Albeheira , Egypt.

*Home Address:*

Eltaftesh (Masaken Bared Edfina) ,  
Rosetta , Albeheira , Egypt

Mobile : 01556718551

*Email Address*

Sakr22@yahoo.com

Date of birth

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12 /1/1975

### *Current Position held:*

Acting as Vice Dean for Community Service and Environmental Development, Faculty of  
Computers and Information, Damanhur University

Assistant prof of physics, Faculty of Science , Damanhur University, Damanhur, Egypt.

### *Professional positions held:*

11/3/2021 to to present

Assistant prof. of physics, Faculty of science (Damanhur Branch),  
Alexandria University, Damanhur, Egypt.

11/8/2011 to 11/3/2021

lecturer of physics, Faculty of science , Damanhur University, Damanhur,  
Egypt.

11/11/2007 to 11/8/2011

Assistant lecturer of physics, Faculty of science (Damanhur Branch),  
Alexandria University, Damanhur, Egypt.

04/23/2003 to 11/11/2007

Assistant lecturer of physics in physics and Chemistry Department, Faculty of  
education (Damanhur Branch), Alexandria University, Damanhur,  
Egypt.

10/01/1998 to 04/23/2003

Graduate researcher (demonstrator) of physics in physics and Chemistry  
Department, Faculty of education (Damanhur Branch), Alexandria  
University, Damanhur, Egypt.

### **EDUCATION:**

- Finished my M.Sc in physics in 2003 and it was about  
**"The Effects Of The External Affects And The Environmental Conditions On Some  
Polymer To Be Used In Practical Applications "**
- Completed my PhD in 2011 . It was entitled  
**"Investigation of electric and optical properties of some conducting polymer"**

## **EXPERIENCE:**

lecturer of physics, Faculty of science , Damanhour University, Damanhour, Egypt. 11/8/2011 to present

Assistant lecturer of physics, Faculty of science , Damanhour University, Damanhour, Egypt. (11/11/2007 to 11/8/2011 )

Assistant lecturer of physics in physics and Chemistry Department, Faculty of education (Damanhour Branch), Alexandria University, Damanhour, Egypt. 04/23/2003 to 11/11/2007

Graduate researcher (demonstrator) of physics in physics and Chemistry Department, Faculty of education (Damanhour Branch), Alexandria University, Damanhour, Egypt. 10/01/1998 to 04/23/2003

- Deputy Director of Quality Center at the University of Damanhur
- Quality Manager for Central Laboratory for Water and Environment Technology in faculty of science from 2013 to present
- aware of Quality Assurance requirements.
- Director of Quality unit at the Faculty of Science in 2020

## **2-:Administrative functions at the university**

1. Deputy Director of the Quality Assurance and Accreditation Center, Damanhur University, 6/3/2016, to 6/3/2022
2. Member of the Board of Directors of the Center for Quality Assurance and Accreditation, Damanhur University, 28/1/2017
3. Quality Manager, Water and Environment Technology Laboratory, Faculty of Science, Damanhur University, March 2014
4. Member of the Board of Directors of the Central Laboratory for Water and Environmental Ecology 1/8/2016
5. Member of the Board of Directors of the Diploma Unit at Damanhur University, 11/3/2017
6. Member of the Board of Directors of Information Technology Center, Damanhur University, 1/8/2016
7. Chairman of the Strategic Planning Committee and follow-up performance evaluation University of Damanhur
8. Member of the board of the Measurement and Evaluation Center during the academic year 2014-2015
9. Administrative development officer of the administrative development system ISO 9001-2008 under the administration of Damanhur University
10. Member of the Board of Directors of the Quality Assurance Unit, Faculty of Science, Damanhur University, July 16, 2017. So far
11. A contact point at Damanhur University with the strategic planning and policy support unit with the Egyptian universities in the Ministry of Higher Education to review the strategy of higher education in Egypt
12. Member of the team to develop the strategic plan of the university

## **3-:quality training courses**

1. Attend the course of characterization of programs and courses and evaluate learning outcomes of colleges and institutes of higher education from the National Authority for Quality Assurance of Education and Accreditation during the period from 12/12/2017 to 14/12/2017.
2. Attend the self-assessment course for colleges and institutes of higher education from the National Authority to ensure the quality of education and accreditation during the period from 2/5/2017 to 4/5/2017
3. Attendance of the accreditation course of colleges and institutes of higher education, third edition July 2015 from the National Authority for Quality Assurance of Education and Accreditation on 29/5/2017
4. Attended ToT course during the period from 31/3/2018 to 4/4/2018
5. Has passed ISO 9001-2015 cycle 8/10/2017
6. Attended several training courses for faculty members of the faculty development project at Alexandria University (FLDP)
  - Course "Preparation of a research project"
  - "Preparation and Dissemination of International Writing"
  - Course "Course Design"
  - "Effective Presentation Skills" course
  - Course "Decision-making and problem solving"
  - "Effective Communication Skills" course
  - Course "Ethics and Ethics"
  - "Thinking Skills"

- Course "Modern trends in teaching
- Time management and work pressure
- Decision making and problem solving
- Recent trends in teaching

#### **4-: quality workshops**

1. Coordinated and conducted the training workshop for the strategic planning standard (third issue, July 2015) for the faculties of Damanhur University at the headquarters of the university administration on 4/2/2017.
2. Coordinated and conducted training in the workshop on quality management and development standard (third issue, July 2015) for the faculties of Damanhur University at the headquarters of the university administration on 10/2/2017.
3. Coordinated and conducted training in the workshop on the standard of scientific research and scientific activities (third edition July 2015) for the faculties of Damanhur University at the headquarters of the university on February 16, 2017.
4. Attendance as a reference to the standards in the workshops organized by the Quality Assurance Center at Damanhur University for all the quality assurance units of the university faculties at the university administration headquarters (the accreditation standards of colleges and institutes of higher education issued July 3rd, 2015 issued by the National Authority for Quality Assurance of Education and Accreditation) From 31/1/2017 to 16/2/2017
5. Regional Workshop on Participatory Development Guide, Delta Governorates, Cairo, 4 December 2016
6. Workshop to review the strategy of developing the higher education system until 2030 and the executive plan until 2022
7. Preparation and coordination of the first student meeting for the quality of education at the University of Damanhur under the auspices of Professor Dr. Obaid Saleh, President of Damanhur University
8. Participation in the fifth workshop to ensure the quality of education, the theme: the strategy of quality education and self-evaluation of educational institutions, December 2004. Faculty of Education Damanhour - Alexandria University.

#### **5-: Courses related to ISO**

- (1) Quality Control ((for the competency of testing laboratories) conducted by Progress and held at the Faculty of Science, University of Damanhur from 18/10/2014 to 23/10/2014
- (2) The Quality Assurance Program (for the competency of testing laboratories) conducted by Progress and held at the Faculty of Science, Damanhur University, from 27/10/2014 to 30/10/2014.
- (3) Iso 17025 IEC-2005  
(General requirements for the competency of testing and calibration laboratories carried out by Progress and held at the Faculty of Science, University of Damanhur from 11/11/2014 to 13/11/2014
- (4) Course for Validation by the Progress Company, held at the Faculty of Science, Damanhur University, from 18/11/2014 to 20/11/2014.
- (5) Course (Internal Audit & Management) for the competency of testing laboratories carried out by Progress and held at the Faculty of Science, University of Damanhur from 9/12/2014 to 11/12/2014
- (6) Uncertainty course carried out by Progress and held at the Faculty of Science, University of Damanhour from 23/12/2014 to 25/12/2014
- (7) Attend the 100-hour training program for Ultra Chromatography Company on ICS.5000 for operation, calibration and troubleshooting of the device

## **6:- Training programs participating in training:**

- (1) the training program} effective questions and cooperative learning strategy and strategies for games and role-playing for the training of teachers (teacher and teacher of the first stage preparatory) professional academy for teachers in the lake (from October 1, 2011 to January 1012)
- (2) Training Program (a) Leadership and Change (b) Management Skills and Effective Leadership (c) Management Tasks {for Teacher Training (expert preparation) at the Professional Academy for Teachers in Lake (1st October 2011 - January 2006)
- (3) The training program for teachers training (first teacher + teacher of primary expert) in the professional academy for teachers in the lake (from October 1st 2011 to January 2006)
- (4) The training program for teachers training (teacher + primary teacher) in the professional academy for teachers in the lake (from October 1st 2011 to January 2006)
- (5) Training program for the facilitation of girl-friendly school facilitators in Beheira, Giza, Fayoum, Beni Suef, Minia, Assiut, Sohag. Under the supervision of the National Council for Childhood and Motherhood (Girlhood Education Initiative).
- (6) training program for training of teachers in service at the level of agents and principals under the supervision of the departments of improving education in partnership with the World Bank, Faculty of Education Damanhour 2002.
- (7) Training courses and workshops for workers in the youth centers in Beheira governorate under the supervision of the Directorate of Youth and Sports in the lake.
- (8) the training program for teachers working literacy classes and adult education under the supervision of the Ministry of Education.
- (9) Training sessions for teachers of one-semester schools at the Center for Education and Rehabilitation of UNESCO in Sars El-Leyan city, Menoufia (1998).
- (10) refresher courses in Cairo, Fayoum and Menia to train trainers of girls friendly schools TOT.
- (11) Participation in the fifth workshop to ensure the quality of education, theme: the strategy of quality education and self-evaluation of educational institutions, December 2004. Faculty of Education Damanhour - Alexandria University.
- (12) participatory planning course to educate rural communities on the importance of planning problems and how to reach solutions.
- (13) Training course for the training of primary school teachers on how to identify gifted students at the main training center in the lake from 3-10 / 8/2008. Under the supervision of the Ministry of Education.
- (14) Training course for improving education for the rehabilitation of schools in the lake of quality and accreditation in the Faculty of Education in Damanhour from 2-23 / 8/2008. Under the supervision of the National Authority for Quality Assurance and Accreditation.
- (15) Participating in the tests conducted by the Ministry of Education for teachers for housing staff at the Faculty of Education Damanhour from 24-28 / 8/2008.
- (16) Member of the Board of Directors of the Quality Assurance Unit at the College.
- (17) Member of the Training and Awareness Committee of the Quality Assurance Unit at the College.
- (18) The official scientific research committee at the college.
- (19) Member of the Executive Team of the project to develop the systems of assessment of students and examinations at the Faculty of Science - University of Damanhour.
- (20) Participation in meetings, seminars and workshops held by the Quality Assurance Unit, Faculty of Science, Damanhour University.
- (21) Training course on the role of youth centers in the fight against violence and crime in the governorate of Beheira from 10-14 / 5/2009 at the Directorate of Youth and Sports (Department of Civil Education and Youth Leadership) in the lake.

## **Research Topics:**

Preparation and characterization of polyaniline and polypyrrole chemically and electrochemically.

Fabrication and characterization of Schottky diode and Schottky diode solar cell

Fabrication of conducting polymer as rechargeable Batteries

Fabrication of conducting polymer as electromagnetic shielding materials

Application of conducting polymer as sensor and biosensor

Some Experiments such as: X-ray Diffraction, Dielectric Constant of Materials

Solar cell and Photoconductor, Activation Energy of Semiconductor

## **Conference:**

1. XLIII International Conference on Physics of Charged Particle Interactions with Crystal May 29-31 2012, Moscow, Russia
2. Participating in the introductory symposium on The Arab International Conference in Recent Advances in Physics and Materials Science , which was organized by Physics Department, Faculty of Science Alexandria University and The Egyptian Society of physics September 18-20, 2005
3. Participating in The 8<sup>th</sup> Arab International conference on Materials Science (Materials for Energy Applications) which was organized by The Egyptian Society of physics Alexandria, Egypt, 18-20 April 2004
4. Participating in The 6<sup>th</sup> Arab International conference on Materials Science (Plastics Materials for Agriculture Applications) which was organized by The Egyptian Society of physics Alexandria, Egypt, 19-22 November 2000

### **List No.1 PUBLICATION**

1. Mohmed Labeab Abdel-Hamed Sakr " Effect of capping agent on selectivity and sensitivity of CdTe quantum dots optical sensor for detection of mercury ions" Optical Materials Volume 79, May 2018, Pages 331-335
2. Sahar E. Abo-Neima , Abdel H. Sakr " Biochemical and biophysical variations in the characteristics of rat blood exposed to magnetic fields "in vivo study" Life Science Journal 2016;13(12)
3. M Nabil, M Elnouby, N Gayeh, A H Sakr and H A Motaweh " Enhancement of porous silicon photoluminescence using (Ni) treatment " IOP Conf. Series: Materials Science and Engineering 248 (2017) 012001 doi:10.1088/1757-899X/248/1/012001
4. Badawi M.S., El Khatib A.M., Elzaher M.A., Thabet A.A., Sakr A.A. "USING AN ANALYTICAL EFFICIENCY TRANSFER PRINCIPLE TO CALCULATE THE FULL ENERGY PEAK EFFICIENCY FOR GAMMA DETECTORS" UDC 621.039.51 ВЕСТНИК ОГУ № 5 (154)/май`2013 <https://cyberleninka.ru/article/n/using-an-analytical-efficiency-transfer-principle-to-calculate-the-full-energy-peak-efficiency-for-gamma-detectors>
5. Fadel M.Ali, Sahar E. Abo-Neima, Hussein A. Motaweh, Fayza El-Akad , Ahmed M.El-Khatib, Abdel Hamid A.Sakr " EFFECTS OF FAST NEUTRONS AND GAMMA RADIATION ON SOME BIOPHYSICAL PROPERTIES OF RED BLOOD CELLS MEMBRANE OF ALBINO RATS (IN VIVO STUDY)" ВЕСТНИК ОГУ № 5 (154)/май`2013
6. MA Khatib - El, Siam ME , AH Sakr , Ramadan HS , Kotb MA ,Y Khedr "Comparative Study the Effects of Normal Heat and Microwave Heat on Different Edible Oils by <sup>1</sup>H Nuclear Magnetic Resonance .
7. D. EL-Said Bakeer and Abdel-Hamed. Sakr" Structural, Optical and Magnetic Properties of CoAl<sub>2</sub>-xCr<sub>x</sub>O<sub>4</sub> Nanoparticles Prepared by Co-precipitation Method" submitted to Chemical Physics Letters.

8. Effect of gamma doses and weather on some optical properties and Dielectric dispersion of low density polyethylene Used as food package submitted to Chemical Physics Letters.
9. Effects of Temperature and field effects on optical properties and the Dielectric dispersion of low density polyethylene used in cable jacketing submitted to Chemical Physics Letters.
10. international conference on optics and photonics 21-25 august 2011, San Diego U.S.A Schottky devices based on polyaniline doped with different metals chloride Paper 8116-103
11. The Arab international conference in recent advances in physics and material science (RAPMS) 18-20 September 2005. " the dc and ac conductivity of polyaniline –polyvinyl alcohol conducting composite"

### **PAPERS UNDER PUBLICATION:**

1. **Formation and Characterization of Polyaniline doped with different metals chloride Schottky device**
2. **Effect of gamma doses and weather on some optical properties of low density polyethylene Used as food package**
3. **Chemical And Temperature Effect On The Optical And Dielectric Properties Of Low Density Polyethylene Used In Food Packaging**

### **As a research supervisor**

I have supervised MSc students working in the areas of solar cell and sensor using nano particles

- Teaching Courses as follows:

I have been teaching physics and Biophysics courses at:  
the College of Science, College of Pharmacy, College of Nursing, College of Dentistry and College of education

Taught introductory physics labs, and Graded lab assignments, homework problems, and tests. Structures and Properties of Matter General Physics Lab I, II, III and IV

Student Consultant, Computer Center, Helped students use the available computer systems to do their assignments and, was the computer operator during the weekends. Computer Science Tutor

### **Activities**

1. Participating in teaching computer science for undergraduate and graduate students in the computer unit, Faculty of Education, Dmanhour Branch, Alexandria University.
2. Participating in the introductory symposium on the Quality assurance & Accreditation Center, HEEPF Egypt, 2004.
3. Participating in the training courses for future leaders in Hilwan, Egypt, from 10/17/2003 to 10/23/2003.

### **Training Programs:**



I attended some training programs of Faculty and Leadership Development Project (FLDP) which follow the Egyptian Ministry of High Education. These programs include:

1. Research Methodologys
2. Teaching With Technology
3. Effective Crisis Management
4. Quality Assurance and Accreditation
5. Credit Hours
6. Decision Taking and Solving Problems
7. Effective Presentation Skills
8. Organization Development
9. Thinking Skills
10. New Trends in Teaching
11. TOT

Appointment in the Faculty of Science at the beginning of its establishment, allowed me to Participate in designing and establishing the science labs in the faculty , teaching experiences at different colleges developed my communication skills at all levels and allow me to work in a team work .I can work with a team ( I enjoy it)

### **Service to Department, College, and University**

1. Certificate of Appreciation from Damanhur University for participating in organizing the second international forum for climate and water (scientific research and sustainable development of water resources in Egypt) Damanhur University 23-24 November 2016
2. Certificate of Appreciation from the Quality Assurance Center at Damanhur University for organizing and participating effectively in the first conference on quality "the role of the student in the quality of education" on Tuesday 4/4/2017 at the Quality Assurance Center at Damanhur University
3. Certificate of Appreciation from Damanhur University Quality Assurance Center for the efforts made in the combined workshop on quality standards for all quality units at the university's colleges during the period from 01/31/2017 to 2/16/2017
4. Certificate of Appreciation from the Quality Assurance Center at Damanhur University for excellence in the field of enhancing the culture of quality and its procedures and mechanisms to achieve it for the academic year 2018-2019
5. Certificate of Appreciation from the Quality Assurance Center at Damanhur University for organizing and participating effectively in the second conference on quality "Towards an Innovative and Innovative Generation" on Wednesday 18/12/2019 at the Quality Center at Damanhur University
6. Certificate of Appreciation from the Egyptian General Authority for Book and the Book Fair Committee (Damanhur Second Book Exhibition from 9-19 March 2017) to participate in the exhibition and supervise the university's creations within the exhibition
7. Certificate of Appreciation from the General Administration of Youth Welfare at Damanhur University for the distinguished efforts as a consultant to the university's scientific committee

8. Certificate of Appreciation from the Quality Center of Damanhur University for the efforts made to visit colleges and conduct reviews on quality units
9. Certificate of Appreciation from Al-Alamein Syndicate in Beheira on Al-Alamy Al-Bahoury Day
10. Certificate of Appreciation from the Capacity Development Center for members of the leadership and leaders of Damanhur University for winning the first place for the Crisis and Disaster Management Training Program during the year 2018
11. Certificate of Appreciation from the Leadership Development Center for Leaders and Leaders of Damanhur University for the effort made on the training program "Accrediting an Academic Program" during the year 2018

### **Activities**

1. Participating in the training courses for future leaders in Hilwan , Egypt , from 10/17/2003 to 10/23/2003.
2. Participating in the introductory symposium on the Facilitations Required for Girls' Education, sponsored by UNICEF , Egypt.
3. Participating in teaching computer science for undergraduate and graduate students in the computer unit , Faculty of Education , Dmanhour Branch , Alexandria University.

### **SKILLS:**

- Computer software
- Internet applications
- Practice of teaching

### **Special Skills**

**Languages:** Fluent in Arabic and English.

**Computers:** **Obtained the International Compute Diving Licence** (UN 03 09 7807)  
Date : 12/05/2004  
Able to quickly adopt, adapt and use needed software.

### **Leadership:**

**Representative and supervisor of Science Society and Science Club, 1999 to date.**