

**Sedki Omer Yousif (Ph.D.)**

*(Physics, Solid state)*



**Personal Data:**

**Surname:** Yousif

**Forenames:** Sedki Omer

**Gender:** Male

**Marital Status:** Married

**Date and Place of Birth:** 2<sup>nd</sup> -Sept.-1966, Iraq

**Nationality:** Iraqi

**Address:** University of Duhok, Duhok City, Kurdistan Region of Iraq.

**Languages:** Kurdish (mother tongue), English and Arabic (spoken and written)

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## **Qualifications:**

- 1- B.Sc. in Physics, College of Science/ University of Mosul, Iraq in 1987.
- 2- M.Sc. in Physics, College of Science/ University of Salahaddin, Iraq in 1995 (the title of thesis: temperature and magnetic effects on the absorption edge for the semiconducting compound CdGeP<sub>2</sub>).
- 3- Ph.D. in Physics, College of Education / University of Duhok, Iraq in 2008. (the title of thesis: composition, temperature and magnetic effects on some optical properties of Ga<sub>x</sub>In<sub>1-x</sub>P semiconductor)

**Current Position:** Head of Physics department at University of Duhok / Faculty of Science

**Teaching Activities:** Involved in teaching several undergraduate courses in Physics Department including:

- 1 -Modern Physics, 2<sup>nd</sup> year B.Sc students.
- 2- Electricity and Magnetism, 1<sup>st</sup> year B.Sc students.
- 3- Semiconductors (as optional course), 3<sup>rd</sup> year B.Sc students.
- 4- Practical physics, MSc students

## **Other teaching activities:**

- 1- General Physics, 1<sup>st</sup> year College of Agriculture.
- 2- Medical Physics, 1<sup>st</sup> year College of Medicine.

## **Employments:**

- 1- Worked as assistant research in the university of Duhok teaching general physics to the students of medicine and agriculture colleges from 1992 to 1993.
- 2- Worked as assistant lecturer at the same university from 1995-1997.
- 3- Worked as assistant lecturer at the college of science in the university of Duhok from 1997-2003.
- 4- As a result of doing three publications in the field of solid state, I have promoted to the scientific degree (lecturer) in 2001.
- 5- Appointed as a lecturer at the college of science from 2001-2003.
- 6- Joined PHD study at the University of Duhok/College of Education.
- 7- Worked as lecturer at the University of Duhok/College of Science after completing PHD study in 2008 - still.
- 8- Head of Physics department at University of Duhok / Faculty of Science from 20011 - still

## **Memberships:**

- Member- Iraqi Society for Physics and Mathematics.
- Member-Scientific Committee/ Physics Dept. College of Education since the foundation of the department in 1997.
- Member of the Kurdistan Physicists Syndicate.
- Member of the scientific committee for the college of science for the period (2000-2003).
- Member of the strategic planning committee of the University of Duhok for the period (2001-2003).
- Head of the scientific committee / Physics Dept. Faculty of Science.
- Member- Faculty of Science committee.
- Head of Physics department at University of Duhok / Faculty of Science from 20011 - still

## **Experience:**

- 1- Contributing to the build up and settle down of many laboratories and teaching programs for the University of Duhok at its first foundation.
- 2- Representing the university of Duhok in the Committee of (986) Decision of the United Nation.
- 3- Setup and preparing the laboratory of Physics Dept. /College of Science and Education.
- 4- Supervision of undergraduate students' graduation projects
- 5- Dean Assistant of the College of Science from 1999-2003.
- 6- Joined the teaching program conference in Kurdistan Region in 1999.

## **Attended Conferences:**

- The First Scientific Conference 27 – 29 April 1999, Dohuk University
- The First Scientific Conference of Sulaimani University, 27-28 September 2000.

## Research and Publication:

Year of Publication	Journal	Title of the Research
2012	Journal of University of Duhok Vol.15, No.2 2012	Effect of deposition temperature on the optical properties of CdS thin films obtained by CBD technique
2011	International Journal of Engineering and Applied Sciences Vol.7, No.2 2011	Influence of Axial Magnetic Field on the Electrical Breakdown and Secondary Electron Emission in Plane-Parallel Plasma Discharge
2009	FIZIKA A ,Vol.18, No.4, 2009	Magneto-Optical properties of the alloy system $\text{In}_{1-x}\text{Ga}_x\text{P}$
2002	J. of Duhok Uni. Vol.5, No.2, 2002	Measurement of energy transport of X-ray laser gain media.
2001	J. of Duhok Uni. Vol.4, No.2, 2001	Viscosity effect confirming of the laser day tuning.
2001	J. of Zankoy Sulaimani (JZS), Iraq, A4, (1).	The temperature dependence of the energy gap of $\text{CdGeP}_2$ semiconductor
2000	J. of Duhok Uni. Vol.3, No.2, 2000	Reabsorption effect consideration of the energy transfer day laser.

## Research Interest:

I am interested in the technology of semiconductor. Specifically, in studying physical properties such as optical, electrical, magnetic and other properties of a new compound semiconductor which can play an important role in the applications of solar cell, light emitting diode, laser applications and communication.