

## **C.V.**

**Name:** Yasser Ahmed Mohammed El-Gendy.

**Date of Birth:** 1<sup>st</sup>. Jan. , 1970.

**Sex:** Male.

**Nationality:** Egyptian.

**Marital Status:** Married.

**Address:**

*Home:* 19 El-Zafer St., Elhwamdya,  
Giza-Egypt.

*Work:* Helwan University-Faculty of Science  
Physics Department, Cairo, Egypt.

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1. B.Sc. Faculty of Science- Helwan University, 1992 with final grade Excellent (90.85%).

2. M.Sc. Faculty of Science- Helwan University.  
In Solid State Physics on 25/6/1997.

Title of M.Sc. Thesis: "*Study of Some Electrical and Optical Properties for Copper Selenide Thin Films*"

3. Ph.D. Faculty of Physics- Belgorod State University- Russian Federation on 19/10/2006.

Title of Ph.D. Thesis: "*Structure of Thin Silver Films under Irradiation by Helium Ions*"

**Experience:**

Demonstrator, Physics Department- Faculty of Science- Helwan University (17/9/1992).

Lecture assistant at Helwan University- Faculty of Science- Physics Department (9/9/1997).

Lecturer at Helwan University- Faculty of Science- Physics Department (1/12/2006).

### ***Teach subject***

***Thin Film.***

***Properties of matter.***

***Heat.***

***Electricity and magnetism.***

### ***Ability***

- Excellent work on "coating unit model Edward and electron gun to prepare Thin film".
- (XRY) x-ray diffraction and some programs to study structure of material like FullProf and CrysFire"
- Work on "SEM and TEM".
- Read, write and speak English is good.
- Read and speak Russia language is good.
- Computer work Software and hardware excellent.

### **Publications:**

1. A. M Salem, Y. A. El-Gendy, G. B. Sakr and W Z Soliman "Optical properties of thermochromic  $\text{Cu}_2\text{HgI}_4$  thin films" JOURNAL OF PHYSICS D: APPLIED PHYSICS
2. V.V. Krasil'nikov, S.E. Savotchenko, I.S. Martynov, I.N. Perepelkin, V.V. Ruzhitskii, V.V. Sirota, **Yasser El-Gendy**. Kinetic features of plasticity processes, structure and phase transformations under ion bombardment of ion – implanted high purity thin metal films.// XV S.-Petersburg readings on toughness problems. Book of abstracts. SPb., 2005. P. 129.
3. V.V. Krasil'nikov, S.E. Savotchenko, V.V. Sirota, **Yasser El-Gendy**. Kinetic model of radiation induced modification of metallic film structure.// Regional'nyi vestnik molodyh uchenuh. 2006, №3 p.10 – 14.
4. V.V. Krasil'nikov, S.E. Savotchenko, V.V. Sirota, **Yasser El-Gendy** and at al. Peculiarities of structure transformation processes in thin silver films under helium ion irradiation.// Deformation and destruction of materials. 2006. № 4. C. 34-39.
5. V.V. Krasil'nikov, S.E. Savotchenko, V.V. Sirota, **Yasser El-Gendy**. Formation of defects in silver films under helium ion irradiation.// Nauchnye Vedomosti, seriya: fiziko – matematicheskie nauki. 2005, №2(22), C.241-246.

6. V.V. Krasil'nikov, S.E. Savotchenko, I.S. Martynov, **Yasser El-Gendy**. Kinetics of adatoms in initial growth stage of thin metallic films under particle flux.// Izvestiya Tul'skogo gosudarstvennogo universiteta. Seria "Fizika" 2005, Vyp. 5, P. 80 – 86.
7. I.S. Martynov, V.V. Krasil'nikov, I.N. Perepelkin, S.E. Savotchenko, **Yasser El-Gendy**. Substructure modifications of silver under helium ion irradiation. Voprosy atomnoi nauki i tehniki, ser. Materialovedenie i novye materialy. 2006. vyp. 1(66). C. 448-451.
8. I.S. Martynov, V.V. Krasil'nikov, V.V. Ruzhitskii, I.N. Perepelkin, **Yasser El-Gendy**. Kinetics of substructure and phase transformations of thin silver films under helium ion irradiation.// Proceeding of XV international conference "Radiation physics of solid state". Sevastopol', publ. Moscow, 2005, P. 219-223.
9. **Yasser El-Gendy**, M.S. Prozorova, V.V. Krasil'nikov. Self-organisation phenomena in metal films deposited by ion – atom fluxes.// International symposium "Processes self-organization of universal history". Abstracts. Publishing house BSU, 2004, p. 21.