

## Curriculum Vitae

### *Ayman Salim Ayesh*

**Associate Professor of Physics:**

***Preparation and Physical Characterizations of Polymer Nano-Composites and Polymer Composites.***

*Department of Physics, Faculty of Science, King Faisal University, KSA.*

*Mobile No: +966 508948144 (KSA) Home Phone: +962 6 4390612 (Amman-Jordan)*

*Office: +966 3 5800000 (1561)*

*E-Mail Address: dr\_ayesh67@yahoo.co.uk or assalem@kfu.edu.sa*

### ***1. Personal Information***

**Name:** Ayman Salim Ayesh  
**Family Statuses:** Married  
**Nationality:** Jordanian  
**Date of Birth:** 12-8-1967  
**Place of Birth:** Kuwait  
**Address in Jordan:** Jabal-Al-Akdar-Amman –Jordan,

### ***2. Educational background***

#### **A. Associate professor of physics**

**Date of obtaining the degree:** 2010  
**Name of the University:** King Faisal University  
**Location:** Al Ahsa, KSA  
**Research Field:** Preparation and physical characterization of Polymer composites and nanocomposites

#### **B. Doctor of Physics (Ph.D.) in Material Physics (Polymer Physics)**

**Date of obtaining the degree:** 1998  
**Name of the University:** University of Baghdad  
**Location:** Iraq-Baghdad- University of Baghdad – Department of Physics.  
**PhD thesis title:** Preparation of Photo-Sensitive Polymer

Composites and Study of Their Stability To  
Weathering and Aging Effects.

***C. Master of Physics (M.Sc.) in Material Physics (Polymer Physics)***

**Date of Obtaining the Degree:** 1993  
**Name of the University:** University of Jordan.  
**Location:** Jordan- Amman- University of Jordan –  
Department of Physics  
**Master Thesis Title:** Morphology and Properties of LDPE/iPP  
Copolymers and Blends.

***D. Bachelor of Physics (B.Sc.), General Physics***

**Date of Obtaining the Degree:** 1989  
**Name of the University:** Arbil University  
**Location:** Iraq-Arbil- Arbil University -Department of  
Physics.

***E. High School Diploma***

**Date of Obtaining the Degree:** 1985  
**Name of the School:** Abdullah Saraj Secondary School  
**Location:** Jordan- Amman- Amman-Hi Nazal

***3. Professional employment history***

**2000-until now:** Assistant and Associate Professor of Physics at Physics  
Department- Faculty of Science, KFU, Al Ahsa, KSA

Dr. Ayesh is assigned to teach the following courses:  
- *General Physics for medical and science students*

- Electricity and Magnetism, Atomic & Nuclear Physics..*
- Optics*
- *Modern Physics*
- *Electronics*
- Thermodynamic*
- Atomic Physics*
- *Physics Lab: Advance and General*

**1998-until 2000:**

*Assistant Prof. in Rofiada College, Balqa University,*

*Jordan.*

**1993-until 1998:**

Research and Teaching Assistant (during PhD program) at University of Baghdad, Iraq, Department of Physics

The project was:

Preparation of Photo-Sensitive Polymer Composites and Study of Their Stability To Weathering and Aging Effect

**1989 -until 1993:**

***Research and Teaching Assistant*** (during master program) at Jordan University , Jordan- Amman-Department of Physics.

The project was :

Morphology and Properties of LDPE/iPP Copolymers and Blends.

***4. Research field***

I am working with team work in the Nano-Technology Lab. at physics department, college of science, KFU. The main research fields:

1. Preparation and characterization of CNT using CVD technique.
2. Preparation and characterization of polymer nanocomposites.
3. Designation of novel nanocomposites materials for EMI shielding applications.
4. Designation of novel nanocomposites materials such as conjugated polymer-CNT nanocomposites for polymer solar cell applications.
5. Preparation and characterization of conducting polymers nanocomposites.
6. Preparation of Ferroelectric polymer nanocomposites.

Preparation and Physical Characterizations of A New Polymer Composites, Nano-Polymer Composite and Photo-Sensitive Polymer Composite. *Materials*.

## ***Funded Projects***

### ***1. KFU Projects***

#### ***a- Published projects:***

Optoelectrical properties of PC/Ferroelectric Ceramic, *J. Thermoplastic Composite Materials*, 22 (3), (2009) 335-348

#### ***b- Submitted projects***

-Preparation and Characterization of PC/ZnO-BT Nano Composites.

- Physical Characterization of PS-SWCNT prepared from monomer to produce a conductive polymer nano composite.

### **2- Strategically project funded by King Abdulaziz City for Science and Technology (KACST)**

*Accepted in sept, 2010-11-16*

*Project Title: Preparation and Characterization of Multi-Layered CNT-Polymer nanocomposites for EMI shielding applications*

### **3- Project funded by King Abdulaziz City for Science and Technology (KACST)**

*This project was performed in nov. 2011. Two articles submitted to international Journals.*

*Project Title: Preparation of conjugated polymer-CNT solar cell*

[1-8]

## ***5. Sample of Publications***

[1] S. Saq'an, A. Ayesh, A. Zihlif, *Optical Materials*, 24 (2004) 629-636.

[2] S. Saq'an, A. Ayesh, A. Zihlif, E. Martuscelli, G. Ragosta, *Polymer Testing*, 23 (2004) 739-745.

- [3] R. Abdel-Rahem, A. Ayesh, *Tenside Surfactants Detergents*, 45 (2008) 137.
- [4] A. Ayesh, *Journal of Thermoplastic Composite Materials*, 21 (2008) 309.
- [5] A. Ayesh, R. Abdel-Rahem, *Journal of Plastic Film and Sheeting*, 24 (2008) 109.
- [6] A.S. Ayesh, *Polymer Journal*, 41 (2009) 616-621.
- [7] S. Ibrahim, A. Ayesh, A. Shoaibi, *Journal of Thermoplastic Composite Materials*, 22 (2009) 335.
- [8] A. Ayesh, *Chinese Journal of Polymer Science*, 28 (2010) 537-546.
- [9] R. Abdel-Rahem, A. Ayesh, *Tenside Surfactants Detergents*, 02 (2009) 105.
- [10] A. Ayesh, R. Abdel-Rahem, *Bull. Material Science* 33 (2010) 1.

## ***6. Conferences***

A- Seventh Petra School of physics 2000, Amman – Jordan. Title of the contributed paper "Photo-Sensitivity of Doped Polymers".

B- International Conference of Energy System, 2000-ICEs, 2K., Amman – Jordan.

## ***8. Scientific Activities***

### ***A- Reviewer***

Dr. Ayman S. Ayesh is reviewer in:

1. *Journal of Applied Polymer Science*: Wiley Inter Science, from 2008 up to now
2. *Journal of Thermoplastic Composite Materials*: SAGE Journals, from 2009 up to now.
3. *Journal of Materials Science*: Springer, from 2009 up to now,.
4. *International Polymer Processing* : Hanser, from 2009 up tp now, web site:

**B- Dr. Ayman S. Ayesh is Founding Member of the International Center for Scientific Research and Studies, : <http://www.i-csrs.org/Membership.html> ,**

**C- Dr. Ayman S. Ayesh is one of the research groups at physics department, Faculty of Science, KFU, Al Ahsa, KSA.**

## **9- Positions and General Contributions**

There are many contributions and positions during my work at KFU, such as, The Main Coordinator for scientific activities, performing scientific exhibitions, seminars, development of physics labs and courses syllabus...etc.

## **10. Other Information**

**Foreign languages:**

English

**Computer skills:**

Graphics, End Note, Visual Basic, Microsoft Office.....etc.

## **11. References**

### ***Prof. Khalil A. Ziq***

Professor in solid state physics Department of  
Physics  
King Fahd University of Petroleum and  
Minerals.  
Dhahran P. O. Box 1674, KSA  
E-mail: [kaziq@kfupm.edu.sa](mailto:kaziq@kfupm.edu.sa),

### ***Prof. Sahbi Alaya***

Professor of Material physics and nanomaterials laboratory  
(LaPhyMNE)  
Faculty of Sciences - University of Gabes - Tunisia  
Address : Faculte des Sciences de Gabes, Cite Erriadh, Zrig  
6021 Gabes, Tunisie  
Fax 00 216 75 392 421  
Mobile : 0530873950 (KSA) or 00 216 93644486 (Tunisia)  
E-mail: [alyshbi@yahoo.com](mailto:alyshbi@yahoo.com)

***Prof. Hamid M. K. AL-Naimiy***

*Professor of Astrophysics*

Dean / College of Arts and Sciences,

University of Sharjah, UAE,

President of the Arab Union for Astronomy and Space Sciences

P.O.Box 27272 Sharjah/ UAE,

Tel.(office):+971 6 5052200 or +971 6 5052225

Fax:+971 6 5050489

Mobil :+971 50 7632016

E-mail [alnaimiy@sharjah.ac.ae](mailto:alnaimiy@sharjah.ac.ae) or [alnaimiy2@yahoo.com](mailto:alnaimiy2@yahoo.com)

***Prof. Mohammed Ali Iessa***

Professor in solid state physics, physics  
department, faculty of science , KSU, KSA, E-  
mail: [miessa@ksu.edu.sa](mailto:miessa@ksu.edu.sa).