

Curriculum Vitae

Name : Husam Abdullah Miqdad
Nationality : Jordanian
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Place of birth : Amman
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Objective

To obtain a challenging full-time position utilizing my education, experience.

Education:

❖ **ph.D. Physics**, Rating: **Very Good**

September. 2015 , The University of Jordan , Amman, Jordan.

❖ **M.Sc. Physics**, Rating: **Very Good**

August. 2010, The University of Jordan, Amman, Jordan.

❖ **M.Sc. Methods of Science Teaching**, Rating: **Very Good**

September. 2004, The University of Jordan, Amman, Jordan.

❖ **B.Sc. Physics**, Rating: **Very Good**

July. 2002, *Applied Science University, Amman, Jordan.*

❖ **B.Sc. Medical Physics**, Rating: **Very Good**

February. 2000, *Applied Science University, Amman, Jordan.*

Employment:

1) *Head of the Department of Basic Sciences and a faculty member (Associate prof.) (2016-now)*

2) *Lecturer in Applied Science University (2007-2016):*

Teaching general physics and practical general physics for pharmacy and engineering students on over time system. [Teach General Physics I & II & Teach Physics Laboratories I & II].

3) *Physics Lab supervisor in Applied Science University (2001-2007):*

Practical general physics for science, pharmacy ,engineering and computer students.

4) *Teaching secondary & primary students at a public school (2000 – 2001).*

Research Interest:

- 1) The optical, thermal and AC electrical properties of polymers.
- 2) Physical study on poly (ethylene oxide) composites dispersed metals and doped with nanoparticles.
- 3) Study Physical properties of materials using density function theory technique (DFT).

Awards:

- * *Distinguished Researcher Award in Scopus Database at the Faculty of Arts and Humanities level for the academic year 2018/2019.*
- * *Distinguished Researcher Award in Scopus Database at the Faculty of Arts and Humanities level for the academic year 2017/2018.*
- * *Distinction Student Award (Applied Science University).*

Training:

- Training in radiotherapy department in Al-Hussein center for cancer.

Training courses and certificates:

- Local TOEFL.
- SPSS.
- The applications of the internet in education.

Relevant Skills:

- Optical measurements (using Cary photo spectrometer).
- AC conductivity measurements (using an impedance analyzer).
- Thermal conductivity measurement (using thermal setup).
- Experience in the use of physics software including, Mathematica , Origin.
- Experience in the use of common software including: SPSS, Windows, Microsoft Excel, Word, PowerPoint and Maintenance Computer.
- Using the strategy of (V-shape maps) on the student's on education achievement.

Language Skills:

- *Native language : Arabic (Excellent)*
- *Second language: English (very good)*

Publications:

- Effect of Carbon Black Nanoparticles on the Thermal Properties of Poly(ethylene oxide) Films. [*International Journal of Applied Engineering Research* ISSN 0973-4562 Volume 13, Number 7 (2018) pp. 5411-5417].
- Effect of Temperature on the Electrical Properties of Poly(ethylene oxide) Doped with Carbon Black Nanoparticles Films. [*Journal of Engineering and Applied Sciences*,
ISSN : 1816-949x (Print) ISSN : 1818-7803 (Online) Volume 14 Issue 05, 2019]
- Activation Energy of Poly(ethylene oxide) Dispersed with Carbon Black Nanoparticles. [*Journal of Engineering and Applied Sciences*, ISSN : 1816-949x (Print) ISSN : 1818-7803 (Online) Volume 14 Issue 05, 2019]
- ELECTRICAL MODULUS OF POLY (ETHYLENE OXIDE) COMPOSITES DOPED WITH CARBON BLACK NANOPARTICLES.[*ARPN Journal of Engineering and Applied Sciences*, ISSN 1819-6608, VOL. 13, NO. 23, DECEMBER 2018].
- The effects of (CB) nanoparticles additive on dielectric and AC electrical conductivity of (PEO) thin film.[*ARPN Journal of Engineering and Applied Sciences*, ISSN 1819-6608, VOL. 14, NO. 22, NOVEMBER 2019].
- Effect of Temperature on Selected Motors Oils.[*Journal of Engineering and Applied Sciences*], VOL. 14, NO. 15,2019.
- "THE EFFECTS OF (CB) NANOPARTICLES ADDITIVE ON DIELECTRIC AND AC ELECTRICAL CONDUCTIVITY OF (PEO) THIN FILM"[*ARPN Journal of Engineering and Applied Sciences*], NOVEMBER 2019.
- " Dielectric and AC conductivity of polystyrene/oil shale composites "[*ARPN Journal of Engineering and Applied Sciences*], FEBRUARY 2020.
- CHARACTERIZATION OF THE ELECTRIC PROPERTIES OF PEO/ALUM COMPOSITE DOPANT WITH CARBON BLACK NANOPARTICLES AT T=40 O C. "[*ARPN Journal of Engineering and Applied Sciences*], May 2020
- "EFFECT OF TEMPERATURE AND FREQUENCY ON THE ELECTRICAL PROPERTIES OF POLYSTYRENE COMPOSITE CONTAINING OIL SHALE PARTICLES" [*ARPN Journal of Engineering and Applied Sciences*], DECEMBER 2019 .

- *EFFECT OF OIL SHALE PARTICLES ON THE ACTIVATION ENERGY OF POLYSTYRENE SHEETS"*[ARPN Journal of Engineering and Applied Sciences], AUGUST 2021.
- *Effect of potassium alum salt particles on the activation energy of poly(ethylene oxide) doped with conductive carbon black (CB) nanoparticles.*[Materiale Plastice] Sep.2021.