

1. Name Hassan Al-Juwhari

2. Education

- Ph.D., Materials Science, The Pennsylvania State University, Pennsylvania, U.S.A., 2000
- B.Sc., Physics, Yarmouk University, 1986

3. Academic experience

- University of Jordan, Professor, 2017 – Present, full time.
- University of Jordan, Associate Professor, 2012 – 2017, full time.
- The Prince Hussein Bin Abdullah II Academy of Civil Protection, Associate Professor, Fall 2016/2017.
- University of Jordan, Assistant Professor, 2004 – 2012, full time.
- The Prince Hussein Bin Abdullah II Academy of Civil Protection, Assistant Professor, Fall 2012/2013, Summer 2011/2012, Spring 2011/2012, and Spring 2009/2010.
- Applied Science University, Assistant Professor, 9/2002 – 2/2004.
- Philadelphia University, Assistant Professor, Summer 2001/2002.
- The Pennsylvania State University, Altoona, PA, U.S.A. Physics Lecturer, 1999/2000, Part time.

4. Non-academic experience

- IB Organization, Hague, Netherlands. International Baccalaureate Diploma Examiner, 2012-2016.
- Display Research Laboratories, Inc., San Diego, California, U.S.A. Phosphor Scientist, 2001 – 2002), full time.
- PixTech Display Company, Inc., Boise, Idaho, U.S.A. Phosphor Engineer. 2000-2001.
- The International Center for Actuators and Transducers, IMRL-PSU, PA, USA, Summer 1999/2000.
- Visiting Research Assistant, ICAT-IMRL-PSU, PA, U.S.A., Spring 1999/2000.
- Graduate Research Assistant, Phosphor Technology Center of Excellence, MRL-PSU, PA, U.S.A., 1995-2000.
- Jordan University of Science and Technology. Physics Laboratory Technician. 1988-1990.

5. Certifications or professional registrations “None”

6. Current membership in professional organizations

- X-Ray Diffraction Jordanian National Team, Member, 2007 – Present.

7. Honors and awards

- Several Research Grants for R&D funded by the Ministry of Higher

Education; The Deanship for Academic research of the University of Jordan; Shoman Institute; and the Massachusetts Institute of Technology (MIT, Blossom' Initiative).

- Special International Tuition Grant-in-Aid Award. The Pennsylvania State University.
- Grant-In Aid, 2nd International Conference on Science and Technology of Display Phosphors, Plasma, San Diego, CA, U.S.A.
- Graduate Research Assistantship, The Pennsylvania State University, PA, U.S.A.

8. Service activities

- Accreditation Committee for the B.Sc. Program in Physics, (Chairman of the Founding Committee/Member) 2015 – Present.
- Chairman/Physics Department, 2015/2016.
- Vice Dean / School of Science, 2014/2015.
- Assistant Dean / School of Science, 2006 – 2009, 2013 – 2015.

9. Briefly list the most important publications and presentations from the past five years

- Effects of gamma radiation on the optical properties of Ultrafine iron particles/polystyrene composites, Batool A. Abu Saleh; Ziad M. Elimat; Ruba I. Alzubi; Hassan K. Juwhari; Radiation Effects and Defects in Solids, <https://doi.org/10.1080/10420150.2024.2335222> (2024).
- Tracking coordination environment and optoelectronic structure of Eu³⁺ and Sm³⁺ sites via X-ray absorption spectroscopy and X-ray excited optical luminescence, Latif U. Khan; Zahid U. Khan; Ruba I. AlZubi; Muhammad A. Umer; Hassan K. Juwhari; Messaoud Harfouche; Hermi F. Brito, Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2024.03.028>, (2024).
- Structural and Luminescent Characteristics of Divalent Europium Activated Barium Aluminate with the Tridymite Structure Synthesized by the Sol-Gel Technique, Ruba I. Alzubi; Yazan A. Mousa; Hassan K. Juwhari, Jordan Journal of Physics, 17(3); <https://journals.yu.edu.jo/jjp/Accepted%20articles-%20unpublished.html>, 2024
- Effects of γ -Irradiation and Samples Aging on the ac-Electrical Properties of Epoxy/ZnO/CB Hybrid Nanocomposites, Mohammad Y. Almarahfeh; Hassan K. Juwhari; Ziad M. Elimat; Ziad Alqudah;, Journal of Composites Science, 8(2), 62; <https://doi.org/10.3390/jcs8020062>, 2024
- Luminescent Materials based on N-(3-Nitrophenyl)-N'-(4-R-C₆H₄)oxamato Zincate(II) Complexes, Zakariyya Ishtaiwi; Deeb Taher; Marcus Korb; Wissam Helal; Hassan K. Juwhari; Afnan Al-Hunaiti; Hazem Amarne; Khaleel Assaf; Lubna Alrawashdeh; Mohammad W Amer; Yaser A YouSef; Heinrich Lang; Journal of Molecular Structure, 1288: 135747; <https://doi.org/10.1016/j.molstruc.2023.135747>, 2023.

10. Briefly list the most recent professional development activities

- Advising several students at the Ph.D., M.Sc., and B.Sc. levels.
- Editor of an International Scientific Journal.

- Collaboration with an international group of scientists.