

Resume

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Education

- 1984 Ph.D. in Physics and minor in Mathematics. North Carolina State University, Raleigh, NC, USA.
- 1980 Master science in Physics and minor in Mathematics. Steven's Institute of Technology, Hoboken, New Jersey, USA.
- 1976 Bachelor Science in Physics and minor in Mathematics. Kuwait University, Kuwait State.

Research interests

Perform experimental work in solid state condensed matter (Material Physics), study their properties and characterize them by different techniques such as X-ray photoelectron spectroscopy (XPS), X-ray diffraction (XRD).

Do research in the Accelerator Mass Spectrometry (AMS) by running, tuning the accelerator and apply the AMS in biomedical.

Experience

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| 2014 – Present | Professor , An-Najah National University, Nablus, Palestine. |
| 2000 - 2014 | Associate Professor , An-Najah National University, Nablus, Palestine, and Windsor University, Windsor, Ontario, Canada. |
| 1998 - 2000 | Invited Associate Professor , Physics department, Purdue University, West Lafayette, Indiana, USA |
| 1993- 1998 | Associated Professor , An-Najah National University. |
| 1984 - 1993 | Assistant Professor , Jerusalem University, Abu- Dies, Palestine, Ajman university, Unites Arab Emirates and An-Najah National University. |
| 1976- 1984 | Teaching Assistant , Kuwait University, Steven's Institute of Technology, New Jersey and North Carolina State University, USA. |

Awards

- 1- A scholarship from the government of Kuwait, Kuwait University, Kuwait, 1972 - 1976.
- 2- A scholarship from Student Aid International, New Jersey, USA. 1978 – 1984.
- 3- Teaching Assistant, Steven's Institute of Technology, NJ, USA 1978- 1980.
- 4- Teaching assistant, North Carolina State Univ., Raleigh, NC, USA, 1980- 1984.
- 5- A fellowship at the International Center for Theoretical Physics (I.C.T.P.), Trieste, Italy, 1995.
- 6- A German government (DAAD) research fellowship, Boehme University, Germany, 1997.
- 7- A fellowship at Purdue University and the PRIME lab, West Lafayette, Indiana, USA, 1998-2000
- 8- A sabbatical from Najah University at University of Windsor, Windsor, Ontario, Canada, 2003- 2004

Administrative

- 1-Chairman of physics department, An-Najah National University, 1997-1998.
- 2- Head and member of various committees of Physics department.

Professional Activities

- 1- Member of the college of Science Board (1997- 1998; 2005- 9/2009)
- 2- Member of the Promotion Committee in the physics department.
- 3- Member of the Palestinian Physical Society (PPS).
- 4- Member of New York Academy of Science.
- 5- Member of the university Board (1997-1998; 2005- 9/2009).
- 6- Member of the Editorial Board of An-Najah Journal of Research (Natural Sciences) 1993-1994.
- 7- Referee of promotion of different colleagues to associate professors.
- 8- Member of the Organizing Committee of the Palestinian Physics Conferences at Najah and Al-Quds universities, 2007 and 2008

Conferences and Symposiums

- 1- First international conference on Nanotechnology and application, Najah university, Nablus, Palestine, 26-28/3/2012
- 2- Symposium on Nanotechnology and its application, Berziet University, Palestine
April 20th.2011
- 3- Palestinian Conference on Modern Trends in Mathematics an Physics 11, An – Najah National University, Nablus – Palestine, 2 -4 August 2010
- 4- Palestinian third scientific physics conference, Al-Quds University, Palestine, 22, 23 /4/ 2008.
- 5-Second Scientific physics conference, Al-Najah national University, Nablus, Palestine, 10, 11/5/2007.
- 6- Second Symposium on a condensed matter, Windsor University, ON, Canada, 15, 16/4/2004.
- 7- Symposium on the Arab research and technology, Sharjah University, March 24-27/2002.
- 8- Teaching at a distance workshop, distance- learning primer, May 16, 17/2000, Purdue University, West Lafayette, IN, USA
- 9- Teaching learning and Technology Showcase, 29/2/2000- 1/3/2000, Stewart Center, Purdue University, West Lafayette, IN, USA
- 10- Workshop on complex Biological and Engineering System, December 4, 1999, Purdue University, West Lafayette, IN, USA
- 11- 8th International Conference on Accelerator Mass Spectrometry, September 6-10/1999, Palais Auersperg, Vienna, Austria.
- 12- College Teaching Workshop, 14-16 April 1999, Purdue University, IN, USA.

- 13- American Physical Society Centennial Meeting, 20-26 March 1999, Atlanta, Georgia, USA
- 14- Midwest Superconductivity Consortium, 7.8 March, 1999, Adams mark Hotel, Indianapolis, Indiana, USA.
- 15- Midwest Superconductivity Consortium Summer School, 30, 31 July 1998, University of Missouri, Columbia, Missouri, USA.
- 16- First scientific day on physics, Al-Quds University, Palestine, 12/3/1998.
- 17- Third Symposium on Computational Condensed Matter Physics, 3 – 5 November 1997, Yarmouk University, Jordan.
- 18- Second Symposium on Magnetic, 4 – 6 November 1996, Yarmouk University, Jordan.
- 19- Second Symposium on Computational Condensed Matter Physics, 6 – 8 November 1995, Yarmouk University, Irbid, Jordan.
- 20- Research Workshop on Condensed Matter Physics, 12 June-12 August 1995, International center for Theoretical physics, Trieste, Italy.
- 21- Third workshop on Van de Graff accelerators in research, training and technological applications, University of Jordan, Amman, Jordan, 14-17 /8/1995.
- 22- Second International Conference lasers in Science and Technology, 13-16 August, 1994, University of Jordan, Jordan.
- 23- Third Conference on Condensed Matter Physics, 18-21 April 1994, Jordan University, Jordan.
- 24- First Symposium on Computational Condensed Matter Physics, 16 – 18 November 1992, Yarmouk University, Jordan.
- 25- First Symposium Accelerator and its applications, 17-20 August 1987, Jordan University, Jordan

Courses Taught

1. Classical Mechanics I, 352 and II, 452
2. Electricity and Magnetism I, 351 and II, 451,
3. Thermodynamics 241,
4. Mathematical Physics I, 353 and II, 453
5. Modern Physics I, 242 and II, 342,
6. Solid State 373,
7. General Physics 101 and 102,
8. Laboratories 107, 108, and 213,
9. Calculus I, II and III in Windsor University, Canada
10. Mathematics for business in Windsor University, Canada.

Some selected publications

1. Rheological Properties (Refractive Index) for Olive Oil in Palestine
Ahmad Bahti, Sh. M. Musameh, I. R. Abdelraziq
Materials Science, accepted to be published.
2. Rheological properties (acidity) for olive oil in Palestine
Ahmad Bahti, Sh. M. Musameh, I. R. Abdelraziq
Materials Science, accepted to be published.
3. Temperature-dependence of olive oil viscosity
Tajweed Hashim Nierat, Sharif Musameh, Issam Abdelraziq
Materials Science 06/2014; 11(7) :233-238.
4. Temperature and Storage Age (Yearly Basis)-Dependence of Olive Oil Viscosity
in Different Locations in Palestine. J. Mater. Environ. Sci. 5 (1) (2014) 245-254
5. Storage Age Dependence of Olive Oil Acidity in Different Locations in Palestine.
Accepted in Journal of Physical Science.Vol.25.No1. 2014
6. Temperature and Storage Age (Weakly Basis)-Dependence of Olive Oil
Viscosity. Materials Science an Indian Journal. . MSAIJ, Vol. 9 No.11, 2013
[445-451]
7. Dielectric characterization of semiconducting ZnPc films sandwiched between
Gold or Aluminum electrodes. Jurnal of Applied Physics A, August 2013
8. Some spectroscopic application using simple low cost Infrared light sources.
Materials Science an Indian Journal. MSAIJ, Vol. 9 No.9, Jan. 2013 [346-351]
9. Dielectric response and electric properties of organic semiconducting
phthalocyanine thin films, Journal of semiconductor, volume 33, No 11,
August 2012
10. Synthesis of nano-sized Cobalt/ Cobalt oxide nano-rods stabilized in surfactant
and polymer matrix and their magnetic properties. Najah University, Palestine,
First Int. conference on Nanotechnology and applications, 26 -28/4/2012

11. Synthesis of nano-sized nano-particles stabilized in surfactant and polymer matrix and their magnetic properties. Nanotechnology Conference at Berziet University, Palestine, April 2011
12. Tribological behavior of chromium nitride coating by unbalanced magnetron Sputtering, journal of active and passive electronic devices, USA. V2, pp 93 - 103, 2007
13. Characterization analysis of chromium nitride reactively sputtered deposited coating on Aluminum alloy, journal of active and passive electronic devices, USA. V2, pp 1–10, 2007
14. The use of thermal analysis system as a tool for the on -line measurements, journal of active and passive electronic devices ,USA.Vol. 2, pp. 1-9USA, 2007.
15. X-ray diffraction of PZT films, journal of Islamic university. V.11, No 2, 1 – 11, 2003.
16. The effects of shear rate and capillary lengthAn- Najah Journal Research, V. 16(1), pp 23 -37, 2002.
17. Effect of pressure and temperature of preparing PZT Films. An- Najah Journal Research, V. 16(2), pp 92 -101, 2002.
18. Archeological equation of state for the steady An- Najah Journal Research, V. 14, pp 37 -52, 2000.
19. The PRIME Lab biomedical program, Nuclear Instrument and Methods in Physics, Research, B 172,V9, pp 899 – 903, 2000
20. Shear viscosity anomaly nears the critical.....Bethlehem university Journal, V. 16, pp 70 – 78,2000
21. Shielding Capabilities of Carbon fiber..... Bethlehem university Journal, V. 15, pp 45 – 55, 1997
22. Anomalous effect of DC – High electric.....Mu'tah Journal for Research and studies, V.11, No.5, pp 105 – 112, 1996.

23. Numerical calculation of the magneto dielectric...Journal of Physical Review B, V.54, No.18, pp 54 -64, 1996.
24. Electrical and electromagnetic shieldingPolymer International Journal, V.34, pp 145 – 150, 1994.
25. Characteristic of Doubt Layers of Aluminum-Epoxy Composite in the X-Band, Journal of Material Science and Eng. B14, pp 1 -4, 1992.
26. Some electrical properties of Aluminum Epoxy Composite, Journal of Material Science and Eng. B10, pp 10 - 29, 1991.
27. Microwave Assessment of two Layer Composite Systems. Journal of Applied Physics communications, V. 10, pp. 15 – 27, 1990.
28. Electrical Behavior of Aluminum Class Fiber-Poly propylene. Journal of Plastic and Rubber processing and Applications. 13,1990.
29. Reversible Meta stable Configurations in Amorphous Silicon. Journal of Noncrystalline Solids, V. 77 – 78, pp. 249 – 252, 1985.