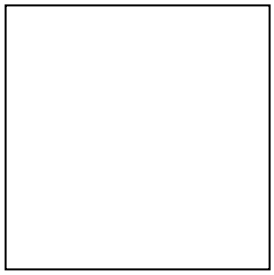
Curriculum Vitae

Zubayda S. Saifaldeen (B.Sc., M.Sc., PhD)

(Applied Physics, Applied Science)



Personal Data

Surname: Saifaldeen
Forenames: Zubayda Shaheen
Gender: Female
Marital Status: Married,
Date and Place of Birth: 01/01/1978, Dohuk, Kurdistan Region, Iraq
Nationality: Iraqi
Academic Status: Lecturer
Languages: Kurdish (mother language), English and Arabic (spoken and written)
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Qualifications

1997-2002 B.Sc. study in the Dept. of Physics, College of Science, University of Dohuk, Kurdistan Region, Iraq.

2004-2007 M.Sc. study in the Dept. of Physics, College of Education, University of Dohuk, Kurdistan, Iraq.

2010-2014 PhD. Study in the Dept. of Applied Science, College of Math. And Science, University of Arkansas at Little Rock (UALR), Little Rock, AR, USA

Employment

2003-2004 Laboratory Assistant, Dept. of Physics, College of Education University of Dohuk, Kurdistan, Iraq.

2007-2010 Assistant Lecturer, Dept. of Physics, College of Science, University of Dohuk, Kurdistan, Iraq.

2014-2016 Lecturer, Dept. of Physics, College of Science, University of Duhok, Kurdistan Region, Iraq.

Professional Experience

(1) Worked in Mechanics, Electricity, Optics, and Nuclear laboratories
(2) Worked in Atomic and Programming (C++) laboratories.
(3) Worked in Nuclear laboratories.

Research and Publications

1. An article published in the ***Journal of Materials Science*** (Superamphiphobic aluminum alloy surfaces with micro and nanoscale hierarchical roughness produced by a simple and environmentally friendly technique)
2. An article published in ***Advanced Engineering Materials*** (Robust Superamphiphobic Nanoscale Copper Sheet)

3. An article published in ***Journal of Nanoscience and Nanotechnology*** (Growth of ZnO Nanorod and Nanoflower Structures by Facile Treatment of Zinc Thin Films in Boiling De-Ionized Water)
4. An article published in ***Applied Surface Science*** (The effect of polar end of long-chain fluorocarbon oligomers in promoting the superamphiphobic property over multi-scale rough Al alloy surfaces)

5. M.Sc. Thesis entitled " Identification and Classification of Clouds Through Satellite Images using Visual Interpretation and Integrated Classification Methods".

Memberships

- Member of the Kurdistan Physicists Syndicate since 2006.

Attended Conferences

- Materials Research Society (MRS) conference Fall 2013
- Student Research & Creative Works Expo 2013
- Student Research & Creative Works Expo 2014
- Arkansas Academy of Science Spring 2014 Meeting
- The First Kurdistan Physicists Conference, Erbil 2006

Awards

- Third place for poster presentation in Student Research & Creative Works Expo 2014.

Training and Research Experience

1- Surface topography and chemistry characterization of micro-nanostructures using:
   1. Scanning Electron Microscope (SEM).
   2. Atomic Force Microscope (AFM).
   3. Fourier Transform Infrared Spectroscopy (FTIR).

2- Fabrication of Water repellent surfaces (superhydrophobic surfaces) and characterization of their wetting properties using Goniometer for self-cleaning applications.

Other Activities

Reading, Sports ----------

References

(1) Dr. Ahmed A-K Tahir, Ph.D., DIC
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(2) Dr. Haydar Al-Shukri, PhD,
Associate Dean for Research and Graduate Education,
Professor and Chair of Applied Science Department
and Director of Arkansas Earthquake Center
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