



Curriculum Vitae

Saja Abdul-Hadi

P.O.Box: 505112 -Dubai healthcare city,
United Arab Emirates

Mobile: (971) 50 9161953 Home: (971) 065585310

E-mail:

Sabdulhadi@sharjah.ac.ae

Saja.abdulhadi@gmail.com

EDUCATION AND CERTIFICATIONS

April-2003

Al-Najah National University

Nablus - Palestine.

M.Sc. in Physics (theoretical), Thesis: The melting dynamics of Nanoscale Pd clusters (A Molecular Dynamics Study Using the Modified Embedded Atom Method)^{i,ii,iii}

Areas of Concentration during the M.Sc. Study:

- Computational Physics
- Solid state Physics

June-1998

Al-Najah National University

Nablus - Palestine.

B. Sc. in Pure Physics.

WORK EXPERIENCE

Sep.2011-Now

University of Sharjah

Sharjah, UAE

Department of applied physics

Lecturer

Sep.2010-Jul.2011

University of Sharjah

Sharjah, UAE

Department of applied physics

Lecturer (part time)

Teaching experience :

- Physics for medical science
- Physics for health science
- Physics for medical science laboratory
- Physics for health science laboratory
- Physics 1
- Remedial physics
- Physics 1 laboratory
- Physics 2 laboratory

Dec.2007 -Jul.2010

Institute Of Applied Technology
Physics Lab Technician.

Dubai, UAE

- Manages day-to-day operations of all teaching laboratories, including equipment preparation and maintenance, safety standards.
 - Prepares and oversees equipment scheduled for use during laboratory teaching sessions.
 - Demonstrate care and use of equipment, according to health and safety standards and practices, to teaching staff and students.
 - Ensure that all equipment and operations are audited to ensure highest levels of adherence to health and safety protocols.
 - Support teaching staff in the development and implementation of lab experiments.
 - Train teaching staff and students in application and use of new equipment, and scheduling laboratory activities.
 - Implement any changes to the lab facilities necessary to improve science lab experiment.
 - Teaching four periods per week, this includes all the teachers' responsibilities required in teaching process.
-

Sept. 2003-Aug.2004

Birzeit University, Physics Department
Physics Lecturer.

Ramallah- PALESTINE

Teaching experience:

- Physics 1
- Physics 1 laboratory
- Physics 2 laboratory
- Responsible to assess student's ongoing learning and understanding with a variety of assessment methodologies and to coordinate assignments and projects.
- Responsible for planning, managing and improving the learning of students, working with other team members to implement and continually improve curriculum, teaching, learning and assessment strategies.
- Managing the learning of students, maintaining records, collaborating with other teachers and promoting staff development in a pro-active manner , responsibility for achieving the set learning outcomes in students, and therefore supervise all student activities and processes to ensure outcomes.

Feb.1999 -Aug.2003

Birzeit University, Physics. Dept.
Teaching Assistant.

Ramllah- PALESTINE

More than four years of experience teaching Laboratories to science and engineering students.

COMPUTER SKILLS

- Windows ,Microsoft Office... (all applications).
- Molecular dynamics simulation programs (XMD)
- Data analysis programs (Origin...etc)
- IC3 certificate (internet and computing core certificate)

COMMUNITY SERVICE

- | | | |
|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------|
| • ISESCO Open Day on Education organizing committee | University of Sharjah | November-2013 |
| • 3rd Sharjah Sciences Festival Poster's committee | College of Sciences | 5/2/2014 |
| • workshop of "Practical Education in Photonics" organizing committee | University of Sharjah | November 2013 |
| • AC Circuits workshop | High schools' Lab supervisors from the Ministry of Education | 21/1/2014 |
| • Arranging a student visit to Masdar institutes' - Open day - | Masdar institutes- Abu Dhabi | February 2014 |
| • Arranging school visits | Al- Rifa' school | 8-5-2014 |
| • University Open Day, organizing committee 2013, 2016 and 2018 . Department representative for 3 years . | Ministry of Education and students from schools and their parents | April 2013 April 2015 March 2016 April 2018 |
| • Think Science 2014 - Coordinator | Emirates Foundation Abu Dhabi | 05-02-2014 |
| • Think Science 2015 - Coordinator | | 05-05-2015 |
| • Think Science 2016 - Coordinator | | 17-04-2016 |
| • Think Science 2017 - Coordinator | | |
| • Departments community service member . | | 2015-2018 |
| • Departments social committee member . | | 2013-now |
| • Departments seminar committee member . | | 2015-2018 |

- Departments national day committee. 2016
- Departments Schedule and exams committee. 2019
- Departments Innovation week Representative. 2018,2019
- A school visit during the innovation week and giving a lecture about the " Development of Innovative and Creative Thinking" **Taryam Bin Omran Secondary School** 24 /11/2015
- School experiments: Teaching an experiment about the Measuring the half-life of Ba-137m in the departments laboratories. **International school of creative science.** 8-9/03/2017

ADDITIONAL SKILLS

Soft Skills

- Ability to apply academic knowledge to real life situations.
- Team Work: The ability to share responsibilities, confer with others, honor commitments, help others do their jobs, and seek help when needed.
- Motivation skills: including self confidence, enthusiasm and initiative.
- Meeting deadlines: work with a timeline and scheduled tasks to meet deadlines and honor commitments.
- Performing well under pressure.

LANGUAGES

- Arabic (Mother tongue)
- English (Excellent) .

MISC. INFORMATION

- Nationality: Jordanian.
- Gender: Female.
- Place of Birth: Jordan 5/6/1972.

References:

1. Dr. *Mohammed Salameh Abu-Jafar*, PhD - Associate Prof. of Physics.
Physics Department, An-Najah N. University, P.O. Box 7, Nablus – West Bank, Palestine.
Email: mabujafar@najah.edu
2. Professor *Yousef I. Salamin*. Professor of Physics.

Physics Department, **American University of Sharjah**.
POB 26666, Sharjah, United Arab Emirates.
Email: ysalamin@aus.edu
3. Dr. *Hussein M. Elmehdi*, PhD- Associate Professor .

Department of Applied physics, College of Arts and Sciences.
University of Sharjah, Sharjah, United Arab Emirates
Email: hmelmehdi@sharjah.ac.ae

Thesis;

- <https://repository.najah.edu/handle/20.500.11888/8594?show=full>
- <http://www.bahethon.com/single-product/the-melting-dynamics-of-nanoscale-pd-clusters-a-molecular-dynamics>

ⁱ Najeh M Jisrawi, “Hard X-ray Diffraction Investigation of thin films and clusters”, Submitted to JSPS Asian Science Seminar, Amman, Jordan 19 - 28, 2002.

- http://conference.kek.jp/JASS02/PDF_PPT/34_jisrawi.pdf

ⁱⁱ Najeh M Jisrawi and Saja Abdulhadi, *Proceedings of the International Conference on Bio-Nanotechnology: Future Prospects in the Emirates November 18 - 21, 2006, Al Ain, United Arab Emirates*

ⁱⁱⁱ Najeh Jisrawi, Saja Abdulhadi, Astrid Pundt. “The structural properties of magic number Pd nanoparticles prior to melting: a molecular dynamics study” *American Physical Society, APS March Meeting, March 5-9, 2007, abstract #R1.200.*

- <http://adsabs.harvard.edu/abs/2007APS..MAR.R1200J>
- https://www.researchgate.net/publication/252126630_The_structural_properties_of_magic_number_Pd_nanoparticles_prior_to_melting_a_molecular_dynamics_study