

Curriculum Vitae

Maryam Nawaz Awan

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Date of Birth: July17, 1988

Personal Statement

To work in a well-reputed organization that can benefit from my expertise and help me grow professionally.

Education

Year	Degree	Institute	CGPA / %	Subjects
2013--	PhD	Department of Physics, University of the Punjab	3.35	Theoretical Physics
2009-11	M.Phil.	Centre of Solid State Physics, University of the Punjab	3.27	Solid State Physics
2005-09	B.Sc.(Hons)	Department of Physics, University of the Punjab	3.76	Physics
2003-05	Intermediate	Govt. Ayesha Degree College for Women, Lahore	77.54%	Pre-Engineering
2001-03	Matriculation	Private (BISE Lahore)	78.35%	Science

Distinctions and Honors

1. Letter of appreciation from Kinnaird College, Lahore and cash award of Rs. 15000/- from Chief Minister for being the teacher of Physics of the 1st position holder (topper) in the pre-medical group of Intermediate Examinations 2013.
2. President Talent Farming scholarship (2006-09) from Higher Education Commission of Pakistan.
3. Fauji Foundation Merit Scholarship throughout my academic career.
4. Overall 1st Position in my College in Intermediate board examinations.

Experience

1. Lecturer of Physics at Kinnaird College from 15thSeptember 2011 to 15thMarch 2013.
2. Examiner in the theory and practical examinations of Physics at BISE, Lahore in 2012.
3. Visiting lecturer at Punjab University College of Information Technology(PUCIT) since July 2012 to Feb 2015.
4. Examiner in the practical examinations of Bsc Physics at University of the Punjab, Lahore.
5. Lecturer (on contract) at Department of Electrical Engineering, University of the Punjab, Lahore from 15th April, 2014 to 14th April 2015.

6. Visiting Lecturer of Physics at Centre for Undergraduates Studies from October 2014 to February 2015.
7. Lecturer of Physics at Kinnaird College from 1st September 2015 to 15th June 2016 (on contract).
8. Lecturer of Physics at Punjab University College of Information Technology (PUCIT) since 30th March 2018.

Courses Taught

1. Intermediate textbooks of Physics
2. Electricity and Magnetism (Physics Volume 2 by Resnick, Halliday and Krane)
3. Basic Electronics (Electric Circuits Fundamental by Thomas L. Floyd & Electronics Devices and Circuit Theory by R. L. Boylestad & L. Nashelsky)
4. Applied Physics (University Physics by Sears, Zemansky & Young)
5. Applied Physics Lab (Bsc Engineering Practical of Physics)
6. Computational Physics
7. Solis State Physics
8. Diodes & Applications
9. Mathematical Methods of Physics

Research Publications

1. **Maryam Nawaz Awan**, Afaq Ahmed, Electron Flux Distribution in photodetachment of HF^- near an Interface using Theoretical Imaging Method, *Chinese Physics B*, Vol. 22, No. 1, 013205 (2013). 1.630
2. Ayesha Amjad, Afaq Ahmed and **Maryam Nawaz Awan**, Photodetached Electronic Wave function of Hydrogen Halide Anions, *Science International Lahore*, 24(4), 337-339 (2012).
3. **Maryam Nawaz Awan**, Afaq Ahmed and Mujahid Kamran, Theoretical Photo detachment microscopy of Hydrogen negative ions near an interface, *International Conference on Solid State Physics ICSSP 13*, Materials Today: Proceedings 2 (2015) 5136 – 5140.
4. **Maryam Nawaz Awan**, Afaq Ahmed, Saad Tanveer, Photodetachment of H^- near a non absorbing metal surface, presented at ICSSP!5, submitted for publication.

Popular Articles

1. Doctors....Maseeha Ya Lutairy, *Jehan Pakistan*, 28th December, 2013.
2. Taleem Dushmani, *Jehan Pakistan*, 7th November, 2013.
3. Dr. Riazudin; Aik Azeem Science Daan, *Roznana Din*, 7th October 2013.
4. Dr. Riazudin Ko Kharaj e Tehseen, *Roznana Ausaf*, 5th October, 2013.
5. Aalmi Yom e Ustad, *Roznana Jinnah*, 4th October, 2013.
6. A Fresh Look at The Quran, *Roznana Din*, 14th September, 2013.
7. Paper Marking; Aik Imtehan, *Roznana Din*, 5th September, 2012.
8. Dr. Abdul Qadeer Khan ka Talba se Khitaab Ka Ahwaal, *Roznana Din*, 5th May, 2012.

Workshops and Conferences attended

1. Conference on Nanotechnology Research in Pakistan, COE for Solid State Physics, University of the Punjab, Lahore, 3rd August, 2010.
2. Workshop on MATLAB Software, Kinnaird College for Women, Lahore, 25th February, 2012.
3. One day workshop on Lasers and Nanotechnology, University of Engineering and Technology, Lahore. 14th June, 2012.
4. Teach the Teacher Training Workshop, Kinnaird College for Women, Lahore. 18th October, 2012.
5. Workshop in Visualisation in Science and Technology Education, Organised by Massachusetts Institute of Technology at Virtual University, Lahore. 15-18th September, 2013.
6. International Conference On solid State Physics ICSSP13, University of the Punjab, Lahore. 1-6th

December, 2013.

7. International Conference On solid State Physics ICSSP15, University of the Punjab, Lahore. 13-17th December, 2015

Computer Skills and Languages

MS Office, Origin, Latex, MATLAB, C++

References

Available upon request.