

Curriculum Vitae

Name: Dr. Pooja Devi

Designation: Assistant Professor

Date of Birth: June 12, 1985

Nationality: Indian

Marital status: Married

Sex: Female

Current Address:

AS-11, Department of Applied Physics,
Giani Zail Singh Campus College of Engineering & Technology,
Bathinda- 151001

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Academic Qualifications from graduation onwards:

Sl. No.	Academic degree	Name of Institution	Year	Division
1.	Matriculation (10 th Class)	Avalon Girls Senior Secondary School, Pathankot, Punjab	March 2001	First
2.	Senior secondary (12 th Class)	Avalon Girls Senior Secondary School, Pathankot, Punjab	March 2003	First
3.	B.Sc. (Hons. School) Physics	Guru Nanak Dev University Amritsar, India	May 2006	Second
4.	M.Sc. (Hons. School) Physics	Guru Nanak Dev University Amritsar, India	May 2008	First
5.	Ph.D (Physics)	Indian Institute of Technology Roorkee, India	May 2015	Degree Awarded

National level test qualified: 1. GATE -2009

2. UGC-NET- June 2016

Research Experience: 5 years 8 months (July 2009 to October 2014)

Teaching Experience: 1. Worked as Assistant Professor in the Department of Physics, Guru Nanak Dev University, Amritsar from 15th July 2015 to 31st May 2016.
2. Working as Assistant Professor in the Department of Applied Physics, GZSCCET Bathinda since 16th August 2016 till present.

Fellowships:

1. **Junior Research Fellow**, Ministry of Human Resource Development
(Government of India): (From July 2009-2011).
2. **Senior Research Fellow**, Ministry of Human Resource Development
(Government of India): (From August 2011-October 2014).

Area of Specialization: Nuclear Physics/Isotope Hydrology

Skills acquired: Air moisture sample collection by Liquid Condensation method and Cryogenic Trap method; Sample preparation for stable isotopic analysis using DI-IRMS and CF-IRMS, Hydrogen and oxygen isotope data analysis, Use of class-A evaporation pan to derive the isotopic composition of air moisture, isotopic data analysis using different models, data collection and isotopic analysis of air moisture at different values of condensation temperature.

Topic of Ph.D. Thesis: A Study of Atmospheric Moisture and Water Mixing using Stable Isotopic Techniques.

Name, designation and address of Supervisor(s)/Collaborators

Name	Designation	Address
Prof. A. K. Jain (PhD Supervisor)	Professor	Department of Physics Indian Institute of Technology, Roorkee-247667 (Uttarakhand). Email: ashkumarjain@yahoo.com Tel. No.: +91-1332-285748 (O); 09911500996 (M)
Prof. N.P.S. Saini	Professor	Department of Physics GNDU, Amritsar

Publications in International journals

1. **Pooja Devi**, A.K. Jain, M.S. Rao and B. Kumar (2015) “*Isotopic Composition of Atmospheric Moisture from Pan Water Evaporation Measurements*”. *Isotopes in Environmental and Health Studies* **51**, 426-438.
2. **Pooja Devi**, A.K. Jain, M.S. Rao and B. Kumar (2014) “*Experimental Study on Isotope Fractionation of Evaporating Water of Different Initial Isotopic Composition*”. *Journal of Radioanalytical Nuclear and Chemistry* **302**, 975-978.

3. P. Purushothaman, M.S. Rao, B. Kumar, Y.S. Rawat, G. Krishan and **Pooja Devi** (2014) “*Comparison of Two Methods for Ground Level Vapour Sampling and Influence of Meteorological Parameters on Stable Isotopic Composition at Roorkee, India*”. *Hydrological Processes* **28**, 882–894.

Publications in National journals

1. **Pooja Devi**, A.K. Jain, M.S. Rao and B. Kumar (2016) “*Stable Oxygen isotopes as tool to investigate the temperature and salinity induced water mixing*” accepted in *Current Reports in Science and Technology*.
2. R. Saini, Pooja Devi, I. Singh, G. Kaur and R. K. Bedi (2016) “*Preparation and characterization of organic nanofibers*” accepted in *Current Reports in Science and Technology*.

Paper/Poster Presentation in Conferences

1. **Pooja Devi**, A.K. Jain, M.S. Rao and B. Kumar “*Experimental study on isotope fractionation of evaporating water of different initial isotopic composition*”, 3rd international conference on Applications of Radiotracers and Energetic Beams in Science, organized by Saha Institute of Nuclear Physics Kolkata, India, Jan 12 to 18, 2014.
2. **Pooja Devi**, M.S. Rao, Bhishm Kumar and A.K. Jain “*Comparison of direct and pan-derived isotopic composition of atmospheric moisture at Roorkee, India*”, International conference on Water, wastewater and isotope hydrology organized UVCE, Bangalore University, India, July 25 to 27, 2013.
3. **Pooja Devi**, M.S. Rao, A.K. Jain and B. Kumar “*Investigation of Temperature and Salinity induced Water Mixing using Oxygen Isotopes*”, National seminar on Applications of Isotopes and Radiation Technology for Societal Benefits, Bangalore University, June 21 to 23, 2012.
4. **Pooja Devi**, A.K. Jain and M.S. Rao “*Isotopic Enrichment of Water during Evaporation under Reducing and Constant Volume Conditions*”, National Conference on Advances in Physics organized by Indian Institute of Technology, Roorkee, India, Feb 25 to 26, 2012.
5. **Pooja Devi**, M.S. Rao, B. Kumar and A.K. Jain “*Recent Developments in Isotope Ratio Mass Spectrometry*”, 4th Conference on Recent Trends in Instrumental Methods of Analysis organized by Indian Institute of Technology, Roorkee, India, Feb 18 to 20, 2011.

Participation in Schools/Seminar/Workshops:

1. “3rd international conference on Applications of Radiotracers and Energetic Beams in Science” at Kolkata, India during January 12-18, 2014.
2. “International conference on Water, Wastewater and Isotope Hydrology” at Bangalore University, India during July 25-27, 2013.
3. “National seminar on Applications of Isotopes and Radiation Technology for Societal Benefits” at Bangalore University, India during 21-23 June, 2012.
4. “National Conference on Advances in Physics” at I.I.T. Roorkee, India during February 25-26, 2012.
5. “National workshop on High Performance Computing” at Inter University Accelerator Centre Delhi, India during May 24-25, 2011.
6. “Training course on Hydrological Investigations for Conservation and Management of Lakes” at N.I.H. Roorkee, India during March 1-3, 2011.
7. “4th Conference on Recent Trends in Instrumental Methods of Analysis” at I.I.T. Roorkee, India during February 18-20, 2011.
8. “Interaction Meeting on Theoretical Nuclear Physics” at Indian Institute of Technology Roorkee, India during September 3-5, 2010.
9. “Training course on Advanced Techniques in Hydrological Investigations” at N.I.H. Roorkee, India during August 16-21, 2010.
10. “School cum Workshop on Nuclear Yrast and Near-Yrast Spectroscopy”, at I.I.T. Roorkee, India during October 26-30, 2009.

I hereby declare that all information's given above are correct to the best of my knowledge and belief.

Dated: 20 November, 2016

Pooja Devi