

# Curriculum Vitae

## Lt. Dr. Pooja Bhati

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## Educational Qualification

Exam Passed	College/University	Year	Subjects	% age
10 <sup>th</sup>	C.B.S.E.	2002	Science, English, Maths, Hindi, S.St	80.60%
10+2	C.B.S.E.	2004	Chemistry, Physics, Maths	76.80%
B.Sc.	H.P. University, Shimla	2008	Chemistry, Physics, Maths	61.85%
M.Sc.	H.P. University, Shimla	2010	Organic Chemistry	70.25%
M.Phil.	H.P. University, Shimla	2011	Organic (Polymer Chemistry)	68.00%
Ph.D.	H.P. University, Shimla	2015	Organic (Polymer Chemistry)	Completed

## Fellowship Awarded

Name of Fellowship	Duration	Funding Agency
UGC-BSR	July 2012- July 2014	UGC
CSIR-JRF	Aug 2014-April 2015	CSIR

## Research Publications

1. Inderjeet Kaur, **Pooja Bhati**, Kiran Bala and Shamsher S. Kanwar, *Effective immobilization of lipase onto a porous gelatin-co-Poly(vinyl alcohol) copolymer and evaluation of its hydrolytic properties*, *Journal of Applied Polymer Science*, 2014, **131(1)**, 39622.

2. Inderjeet Kaur, **Pooja Bhati** and Bharti Sharma, *Antibacterial, flame retardant, and physico-chemical properties of cotton fabric graft copolymerized with a binary mixture of acrylonitrile and 4-vinylpyridine*, *Journal of Applied Polymer Science*, **2014**, *131(13)*, 40415.
3. Inderjeet Kaur, **Pooja Bhati** and Sushma Sharma, *Radiation induced synthesis of (gelatin-co-PVA)-g-poly(AAc) copolymer as wound dressing material*, *Advances in Materials Research*, **2014**, *3(4)*, 183-197.

### Conferences and Symposia

- Participated in ‘International Year of Chemistry’, symposium held at H.P.U., Shimla on Oct. 21-22, **2011**
- Inderjeet Kaur, **Pooja Bhati**, ‘Synthesis of PVA-Gelatin cross-linked copolymer and grafting of acrylic acid thereupon through gamma radiations’, **Paper presented** in ‘Frontiers in Polymer Science’, National Seminar held at H.P.U, Shimla on Nov. 18-19, **2011**
- Inderjeet Kaur and **Pooja Bhati**, ‘Grafting of 2-Hydroxyethyl methacrylate onto PVA-co-Gelatin copolymer: Characterization and Applications’, **Oral Paper presented** in International Conference on “Chemical Constellation Cheminar” held at Dr. B.R. Ambedkar National Institute of Technology Jalandhar, Sept. 10-12, **2012**
- Inderjeet Kaur and **Pooja Bhati**, ‘Effect of pH and saline water on swelling characteristics of Gelatin-co-PVA and (Gelatin-co-PVA)-g-poly (AAc) copolymers used as a wound dressing material’, **Paper presented** in National Seminar on Frontiers in Polymer Science-II, Dec. 12-13, **2013**
- Inderjeet Kaur, **Pooja Bhati**, Bharti Sharma, ‘Development of Flame Retardant Cotton fabric through Grafting and Post-grafting Phosphorylation Reactions’, **Paper presented** in “APA International Conference on Polymers: Vision and Innovations”, Feb. 19-21, **2014**
- Amita Joshi, **Pooja Bhati**, ‘Unveiling the Chemistry of Utensils and Jewellery in Hati and Jaunsar-Bawar tribes’, **Paper presented** in “International Conference on Tribal Identity in India: Issues, Challenges and the Road Ahead”, Oct 1, 2 & 4, **2023**
- Amita Joshi, **Pooja Bhati**, ‘Chemistry Of Food Adulterants and Basics of Food Safety Strategies’, **Paper presented** in “International Conference on Communicating Health, Happiness and Longevity for sustainable growth, 2<sup>nd</sup>-4<sup>th</sup> December, **2023**.

### Awards/Honours

- Awarded CSIR-NET-JRF fellowship in June. 2013
- Awarded UGC-BSR fellowship in 2012
- Qualified SET in 2017
- Qualified UGC-CSIR (NET LS) in June 2012

- Qualified GATE with 95.09 percentile in 2012
- Qualified BARC exam conducted by DAE Govt. of India in 2012
- Awarded Director General Plaque of Honour and Gold Medal for Standing first in Overall merit and Gold Medal for being Best in Special Skills in Pre- Commission NCC Course in December 2024.

I, hereby declare that the particulars given are true to the best of my knowledge and belief.



**Pooja Bhati**