

Curriculum Vitae

Dr. Pooja Bhati

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Educational Qualification

Exam Passed	College/University	Year	Subjects	% age
10 th	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

Title of Ph. D. Thesis: “Radiochemical Grafting Of AAc And HEMA On Gelatin-Based Copolymers Of Chitosan, Carrageenan And Polyvinyl Alcohol For Specialty Applications”.

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 Shamsheer 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.
4. Inderjeet Kaur, **Pooja Bhati** and Sunil Kumar, *Synthesis, Characterization and Metal ion uptake studies of PAMAM Dendrimers on Solid Support*, *Communicated*, **2016**.
5. Inderjeet Kaur, **Pooja Bhati** and Bharti Sharma, *Antibacterial and physico-chemical properties of silver nano-particles embedded epichlorohydrin and diethylenetriamine treated Cotton Fabric* *Communicated*, **2016**.

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**

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 in 2012 with 95.09 percentile

- Qualified BARC exam in 2012 conducted by DAE Govt. of India
- Won academic awards for ten consecutive years at school level.
- Won scholarships at school and college level.
- Attended one month NSD workshop and active member of theatre group "PAHAL" and won various awards.
- Participation in Science Fairs, debates and declamations at school and college level.

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

Hope for your positive kind consideration.



Pooja Bhati