

W/o Sh. Puneet Gupta
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Curriculum Vitae

Dr. Dipti (Ph.D, MSc.-Hons)

Objective

- To seek a job that gives me opportunities to grow in my functional area in the field of Chemistry. I would like to work in a position that offers sound career prospects.

Present status

- Working as a Scientific Officer in Chemistry and Toxicology Division in Regional Forensic Science Laboratory, Mandi, Himachal Pradesh since November, 2010.

Experience

- Three years two months (August 2007-October 2010) teaching as a Lecturer in Applied Chemistry at Green Hills Engineering College, Kumarhatti, Solan, Himachal Pradesh.

Research topics

- Ph.D. Thesis Title: "Proline based polymer supported organo-catalyst for Aldol and Mannich reaction", Thesis Advisor: Professor Ghanshyam S. Chauhan, Himachal Pradesh University, Shimla
- M.Sc. Dissertation Title: "Synthesis of Spiro- β -Lactams : New potential antiviral compounds", Dissertation Advisor: Professor S. S. Bari, Panjab University, Chandigarh

Education

- Ph.D (Polymer & Organic chemistry), 2004 -08, Himachal Pradesh University, Shimla.
- M.Sc. (Hons. School), Organic Chemistry, 2002-04, Panjab University, Chandigarh (80.8%)
- B.Sc. (Med.), 1999-2002, Government College for Girls -11, Panjab University, Chandigarh (82.5%)
- 10+2 (Sc.), 1997-99, Army Public School, Dagshai, (C.B.S.E.), (74.2%)
- 10 th, 1997, St. Mary's Convent School, Kasauli, (C.B.S.E.), (80%)

Diploma/Certificate

- Advanced Post Graduate Diploma in Information Technology, Himachal Pradesh University, Shimla (1 year), 79%
- Certificate in German language, , Himachal Pradesh University, Shimla (1year),80%
- Diploma in German language, Himachal Pradesh University, Shimla (1year), 80%
- Advance Diploma in German language, Himachal Pradesh University, Shimla (1 year)
- B. Ed., Indira Gandhi National Open University (79%)

Achievements

- Gold Medalist in Diploma in German, 2009
- Gold Medalist with Roll of Honour in APGDIT in state (H.P.), 2008
- Topped in Certificate course in German, 2008
- Meritorious in post graduation; 2004
- Qualified UGC- NET; Dec.- 2003
- Merit Certificate holder at University level
- Earned National Merit Scholarship (U.T., Chandigarh); 2003
- Rewarded with Roll of Honour, 2003
- Got university Merit Scholarship; 2001
- Got Merit Scholarship for general proficiency; 1995,1994
- Earned several position holding certificates

Skills

- Handling of sophisticated instruments like FTIR, UV/VIS spectrophotometer, High Performance Liquid Chromatography, Density & Sound Analyzer, pH-Meter, Conductivity meter and various general purpose lab instruments and accessories.
- Proficient knowledge of computer and internet

Languages known

- English, Hindi, German

Antecedents

- Husband's Name : Sh. Puneet Gupta
- D.O.B. : 29 Dec, 1981
- Sex : Female
- Citizenship : Indian
- Marital Status : Married

Reference

- **Prof. Ghanshyam S. Chauhan**
Department of Chemistry, H. P. University, Shimla (H. P.)
Ph: (0177) 230 944, (0177) 2633054, 09418003399(M)
FAX: (0177) 2830775
E-mail: ghanshyam_in2000@yahoo.com
- **Prof. (Mrs.) Inderjeet Kaur**
Department of Chemistry, H. P. University, Shimla (H. P.)
Ph: (0177) 230 944, (0177) 2633054, 09418456125 (M)
FAX: (0177) 2830775
- **Dr. S. S. Sen**
Principal, Green Hills Engineering College
Kumarhatti, Distt-Solan (H.P.)
Ph: (01792) 266772, FAX: (01792) 266086
- **Dr. Rajesh Kumar**
Deputy Director, Regional Forensic Science Laboratory
Central Range, Gutkar, Mandi (H.P.)
Ph.:01905-247510

Declaration

- I hereby declare that all the above information is best of my knowledge.

**Research papers
presented at
international /
national symposia /
conferences**

- "Viscosity and Conductivity Studies of Acrylate and Methacrylate Based Polymers at Different Temperatures", **Dipti Garg** and Ghanshyam S. Chauhan, presented at the APA International Conference on Advances in Polymer Science and Technology, Poly-2008, Delhi (January 28-30, 2008).
- "Interaction Studies on Modified Acrylic acid and Methacrylic acid Polymers at Different Temperatures", **Dipti Garg** and Ghanshyam S. Chauhan, presented at the UGC- SAP National Seminar on Recent Trends in Synthetic and Polymer Chemistry, RTSPC-II, HP University, Shimla (April 09-11, 2007).
- "Acrylic Acid and Methacrylic Acids Based Hydrogels for Specialty Application", Ghanshyam S. Chauhan, Rajeev K. Sharma, Yogesh Kumar, Sunil Kumar, **Dipti Garg** and Sandeep Chauhan presented at UGC- SAP National Seminar on Recent Trends in Synthetic and Polymer Chemistry, RTSPC-I, HP University, Shimla (December 05-06, 2005).
- "A Study in the Esterification of p-Nitrophenol Catalyzed by Immobilised 2-Acrylamido-2-methyl propane-1-sulphonic acid AAmPSA)", Godawary, **Dipti Garg**, Sunil Kumar, Shravan Kumar, Yogesh Kumar and Ghanshyam S. Chauhan, presented at the National Symposium on Future Challenges in Chemical Sciences, FCCS-05, HP University, Shimla (March 09-11, 2005).

Papers Published

- **Dipti Garg**, J.-H. Ahn, Ghanshyam S. Chauhan, Proline-based polymeric monoliths: Synthesis, characterization, and applications as organocatalysts in aldol reaction, Journal of Polymer Science Part A: Polymer Chemistry, Volume 48 Issue 5, 2010, Pages 1007 – 1015.
- Ghanshyam S. Chauhan, Sandeep Chauhan, Usha Sen and **Dipti Garg**, Synthesis and characterization of acrylamide and 2-hydroxyethyl methacrylate hydrogels for use in metal ion uptake studies, Desalination, Volume 243, Issues 1-3, July 2009, Pages 95-108.

**Short term
courses/summer
school attended**

- "Effective curriculum development" conducted by CDC-NITTTR, Chandigarh at Green Hills Engineering College, Kumarhatti, Solan (H.P.) (21 July-25 Jul, 2008).

**Papers under
preparation**

- Synthesis and Antimicrobial Activity of 1-Furyl-3-hydroxy-3-(4'-substituted phenyl) propan-1-one, Dipti Garg and Ghanshyam S. Chauhan, International Journal of Pharmaceutics.
- Mannich reaction catalyzed by new proline based monolith, Dipti Garg and Ghanshyam S. Chauhan, Applied Catalysis, Part A.
- Physicochemical studies of proline based polymers, Dipti Garg and Ghanshyam S. Chauhan, Journal of colloids and interfaces.