



Dr. Poonam Sharma

Associate Professor

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(91) 01792 239402

Education:

S.No	Degree	University	Year	Subjects
1.	MSc	HP University Shimla	2001	Chemistry
2.	M. Phil.	HP University Shimla	2003	Chemistry (Gold Medalist)
3.	Ph. D.	HP University Shimla	2006	Chemistry

Biography

- Associate Professor, Department of BT/BI, Jaypee University of Information and Technology, Wagnaghat, Distt. Solan (HP).
- Lecturer in Chemistry (14 July 2008 to Nov 2009), Department of Chemistry, Shoolini Institute of life sciences and Business management, Bhajole, Solan (HP). (one year and four months)
- Lecturer in Chemistry, (Jul. 2005 to Jun 2008) (for alternate semesters) Department of Civil Engineering, JUIT, Wagnaghat, Solan (HP). (two years)

- Project Fellow (Nov. 2002 to March 2005) of Major project sanctioned by UGC, New Delhi at the Department of Chemistry, HP University , Shimla. (three years)

Membership

Life Member: Indian Society of analytical Scientists.

Life Member: Material Research Society of India.

Executive Member: Himachal Chapter of Material Research Society of India

Professional Recognition/ Award/ Fellowship received.

S.No.	Name of Award	Awarding Agency	Year
1	Gold Medal for standing first class first in M. Phil. Chemistry	Himachal Pradesh University, Shimla	2003
2	Project Fellowship	UGC Major Project	2002-2005
3	DST Fast Track Young Scientist Research Grant	DST	2010-2013
4	SERB- EMR Project Grant	DST	2017-2020

Reviewer:

- i) International Journal of Chemistry and Material Science (IJCMS)
- ii) Australian Journal of Chemistry
- iii) Thermochemica Acta
- iv) Physical Chemistry Chemical Physics (ACS Journal)
- v) J. Mol. Liquids

Publications in refereed International and National Journals

1. Vikrant Abbot, Varun Bhardwaj, **Poonam Sharma** (2021). Investigation of intermolecular interactions of anionic surfactant SDS and rutin: A physico-chemical approach for pharmaceutical application. *Journal of Molecular Liquids*, 337 (1 September 2021), -. Google Citation

2. Vikrant Abbot, **Poonam Sharma** (2021). Investigating thermodynamic, acoustic and spectroscopic parameters of rutin trihydrate with cationic surfactant CTAB in hydro-ethanolic solvent systems. *Journal of Molecular Liquids*, 328 (15 April 2021), -. Google Citation
3. Harjas Saini, Vikrant Abbot, Gopal Singh Bisht, **Poonam Sharma** (2020). Study of the physico-chemical properties of vancomycin hydrochloride for determining its potential applications in formulation development. *Indian Journal of Chemistry-Section A*, 59 (8), 1113-1119
4. Vikrant Abbot, **Poonam Sharma** (2020). Thermodynamics and acoustic effects of quercetin on micellization and interaction behaviour of CTAB in different hydroethanol solvent systems. *Zeitschrift fur Physikalische Chemie, Published online October 20, 2020* (), -
5. Vikrant Abbot, **Poonam Sharma** (2020). Thermodynamic and acoustic studies of quercetin with sodium dodecyl sulfate in hydro-ethanolic solvent systems: A flavonoid-surfactant interaction study. *Chemical Physics*, 538 (1 October 2020), -
6. Vikrant Abbot, **Poonam Sharma** (2020). Investigation of interactions between quercetin and Tween 80 through electrolyte induced thermodynamic approach. *Materials Today: Proceedings*, 28 (Part 1), 61-64
7. Ashwina Singh, Akshay Sharma, Saurabh Bansal, **Poonam Sharma** (2018). Comparative interaction study of amylase and surfactants for potential detergent formulation.. *J. Molecular liquids*, 261 (July, 2018), 397-401. Google Citation
8. Vikrant Abbot , **Poonam Sharma**, Saurabh Dhiman, Harun M. Patel, Malleshappa N. Noolvi and Varun Bhardwaj. Small hybrid heteroaromatics : resourceful biological tools in cancer research: *RSc Advances*, 2017,ISSN : 2046-2069, IF : 3.7
9. V. Bhardwaj, **Poonam Sharma**, M.S. Chauhan, S. Chauhan (2016). Micellization, Interaction and Thermodynamic Study of Butylatedhydroxyanisole (synthetic antioxidant) and Sodium Dodecyl Sulfate in Aqueous-Ethanol Solution at 25, 30 and 35⁰C. *Journal of Saudi Chemical society*, 20 (1), S109-S114

10. Kalpana Chauhan, Jasvinder Kaur, Prem Singh, **Poonam Sharma**, Praveen Sharma, Ghanshyam S. Chauhan (2016). An Efficient and Regenerable Quaternary Starch for Removal of Nitrate from Aqueous Solutions. *Industrial and Engineering Chemistry Research*, 55 (2016), 2507-2519.
11. **Poonam Sharma** (2015). Viscosity Studies of SDS in Aqueous Solutions of Butylated Hydroanisole at Different Temperatures. *International Journal of Chemical and Physical Sciences*, 4 (1), 55-59
12. Varun Bhardwaj, Divya Gumber, Vikrant Abbot, Saurabh Dhiman, **Poonam Sharma** (2015). Pyrrole: a resourceful small molecule in key medicinal hetero-aromatics. *RSC Advances*, 5 (20), 15233-15266.
13. Varun Bhardwaj, Kundan Sharma, S. Chauhan, **Poonam Sharma** (2014). Intermolecular interactions of CTAB and potential oxidation inhibitors: physico-chemical controlled approach for food/pharmaceutical function. *RSC Advances*, 4 (90), 49400-49414.
14. Varun Bhardwaj, Jitender Monga, Amit Sharma, Shailesh Sharma, Arun Sharma, **Poonam Sharma** (2014). A novel surfactant aided micellar system of oxidation inhibitors in clotrimazole bioadhesive gel: development, characterization, in vitro and in vivo antifungal evaluation against Candida clinical isolates. *RSC Advances*, 2014 (88), 47207-47221.
15. Harun M. Patel, Malleshappa N. Noolvi, Varun Bhardwaj, **Poonam Sharma**, Varun Jaiswal, Sumit Bansal, Sandeep Lohan, Suthar Sharad Kumar, Vikrant Abbot and Saurabh Dhiman. Quantitative structure activity relationship (QSAR) studies as tactical approach in drug discovery. *Medicinal Chemistry Research*, 2014, DOI 10.1007/s00044-014-1072-3, ISSN: 1054-2523, **IF : 1.612**
16. Tarun Bhardwaj, Varun Bhardwaj, Kundan Sharma, Abhishek Gupta, Swaranjit Singh Cameotra, **Poonam Sharma** (2014). Thermo-acoustical analysis of sodium dodecyl sulfate - Fluconazole (antifungal drug) based micellar system in hydro-ethanol solutions for potential drugs topical application. *Journal of Chemical Thermodynamics*, 78 (November 2014), 1-6.
17. Varun Bhardwaj, Tarun Bhardwaj, Kundan Sharma, Abhishek Gupta, S. Chauhan, Swaranjit Singh Cameotra, Shailesh Sharma, Richa Gupta,

- Poonam Sharma** (2014). Drug-surfactant interaction: thermo-acoustic investigation of sodium dodecyl sulfate and antimicrobial drug (levofloxacin) for potential pharmaceutical application. *RSC Advances*, (47), 24935-24943.
- 18.V. Bhardwaj, S. Chauhan, Poonam Sharma.** Probing effect of lipophilic butylatedhydroxytoluene on anionic surfactant properties for potential food and pharmaceutical applications: Thermo-acoustic and spectroscopic study. *Fluid Phase Equilibria*, 2014, 373, 63-71. ISSN: 0378-3812, **IF : 2.241**
- 19.V. Bhardwaj, S. Chauhan, K. Sharma, Poonam Sharma.** Cosmeceutical active molecules and ethoxylatedalkylphenol (Triton X-100) in hydroalcoholic solutions: Transport properties examination. *Thermochimica Acta*, 2014, 577, 66-78. ISSN: 0040-6031, **IF: 2.105**
- 20.Varun Bhardwaj, Poonam Sharma, Malleshappa N. Noolvi, Harun M. Patel, Sumit Bansal,Sandeep Lohan and Gaurav Badola.** Certain 2-Furano-4(3H)-Quinazolinone Analogs: Synthesis, Characterization and Pharmacological Evaluation. *Letters in Drug Design & Discovery*, 2013, 10,360-368. ISSN: 1875-628X, **IF: 0.961**
- 21. V. Bhardwaj, Poonam Sharma, S. Chauhan.** Thermo-acoustic investigation in alcohol-water mixtures: Impact of lipophilic antioxidant on anionic surfactant properties for potential cosmeceutical application. *ThermochimicaActa*, 2013, 566, 155-161. ISSN: 0040-6031, **IF : 2.105**
- 22. V. Bhardwaj, Poonam Sharma, S. Chauhan, M.S. Chauhan.** Thermodynamic, FTIR, ¹H-NMR, and acoustic studies of butylatedhydroxyanisole and sodium dodecyl sulfate in ethanol, water rich and ethanol rich solutions. *Journal of Molecular Liquids*, 2013, 180, 192-199. ISSN: 0167-7322, **IF : 2.083**
- 23. V. Bhardwaj, Poonam Sharma, S. Chauhan, M.S. Chauhan.** Lipophilic synthetic antioxidants (BHA/BHT) and SDS in alcohol-water mixtures: A thermodynamic study, *Advanced Science Engineering and Medicine* 2013, 5, 971-978. ISSN: 2164-6627.
- 24. Poonam Sharma, V. Bhardwaj, Ishita Sharma, Tanvi Chaudhary, P. Kumar, S. Chauhan.** Micellar interaction study of synthetic antioxidant (BHA) and sodium dodecyl sulfate (SDS) in aqueous solution for potential

- pharmaceutical/food applications. *Journal of Molecular Liquids*, 2013, 187, 287-293. ISSN: 0167-7322, **IF: 2.083**
25. Varun Bhardwaj, **Poonam Sharm^{a*}**, Malleshappa N. Noolvi, Harun M. Patel, S. Chauhan, Kundan Sharma, M.S. Chauhan. Thermo-physical examination: Synthesized 2-furano-4(3H)-quinazolinone and open quinazolinone (diamide) anticancer analogs with sodium dodecyl sulfate. *Thermochimica Acta*: 573, 2013, 65-72. ISSN: 0040-6031, **IF: 2.105**
26. **Poonam Sharma** and P. Kumar, Acoustical studies of drug combiflam in aqueous alcoholic mixtures, *International Journal of Material and Mechanical Engineering*, 1, 2012, 66-70. ISSN: 2162-0695, **IF : 0.317**
27. **Poonam Sharma**, S. Chauhan, A. Behal and V. K. Syal, Physico-chemical studies of analgesic drugs in binary mixture of alcohol and water, *J. of Research and Education*, 1, 2011, 31-33.
28. **Poonam Sharma**, S. Chauhan, M. S. Chauhan and V. K. Syal, Ultrasonic velocity and viscosity studies of tramacip and parvodex in binary mixtures of alcohol + water. *Ind. J. Pure and Appld. Phys.* 46, 2008, 839. ISSN: 0019-5596, **IF : 0.711**
29. **Poonam Sharma**, S. Chauhan, V. K. Syal, M S Chauhan, Studies of Partial molar volumes of some Narcotic-Analgesic Drugs in Aqueous-Alcoholic Mixtures at 25°C. *Int. J. Thermophysics*, 29, 2008, 643-655. ISSN: 0195-928X, **IF : 0.623**
30. **Poonam Sharma**, V. K. Syal, M. S. Chauhan, S. Chauhan, Acoustical Studies of Narcotic-Analgesic Drugs in Aqueous-Alcoholic Mixtures at 25°C. *J. Acta Acustica united with Acustica* 93, 2007, 566. ISSN : 1610-1928, **IF : 0.679**
31. **Poonam Sharma**, S. Chauhan, V. K. Syal and M. S. Chauhan, Viscosity studies of some Narcotic Analgesic drugs in aqueous alcoholic mixtures at 25°C, *Journal of Molecular Liquids*, 136, 2007, 161. ISSN: 0167-7322, **IF : 2.083**
32. V.K.Syal, S. Chauhan, Anita Chauhan and **Poonam Sharma**, Ultrasonic velocity and viscosity studies on solutions of Poly (vinylalcohol) (PVA) in binary mixtures of Dimethylsulphoxide (DMSO) + Water (H₂O) at 25°C. *J. Polymer materials*, 22, 2005, 323. ISSN: 0973-8622, **IF : 0.253**

- 33.V.K.Syal, Saneel Kumar, S. Chauhan and **Poonam Sharma**, Ultrasonic velocity studies of drug Parvon – spas in mixed alcohol water solvent systems at 25°C. , *International J. of Thermophysics*, 26, 2005, 807. ISSN: 0195-928X, **IF : 0.623**
- 34.V. K. Syal, S. Chauhan and **Poonam Sharma**, Conductance Measurements of Narcotic – Analgesic Drugs in Ethanol (EtOH) + Water (H₂O) mixtures at 25°C., *Indian Chemical Society*, 82, 2005, 602. ISSN: 0019-4522, **IF : 0.251**
- 35.V. K. Syal, S. Chauhan, Pawan K. Gupta and **Poonam Sharma**, Physico-chemical studies of some Bivalent electrolytes in aqueous mixtures of Dimethylsulphoxide mixtures at different temperatures by transport property measurements, *J. Electrochem. Soc. India*, 53, 2004, 1. ISSN 0013-4651, **IF : 2.59**

Presentations at national and international conferences and symposiums:

1. Conductance measurements of Drug, parvon forte (PF) in Ethanol (EtOH) Water (H₂O) mixtures at 25°C. V. K. Syal, S. Chauhan and **Poonam Sharma**. 73rd Annual session of The National Academy of Sci. India, held at Ahemdabad from oct.10- 12, 2003. **ISSN 0370- 0046**
2. Conductance studies of some Narcotic – Analgesic Drugs in Ethanol (EtOH) Water (H₂O) mixtures at 25°C. V. K. Syal, S. Chauhan and **Poonam Sharma**. IUPAC International conference on Biodiversity and natural products: Chemistry and Medical applications held at New-Delhi from 26-31 Jan, 2004.
3. Ultrasonic velocity studies of drug Parvon –spas in mixed alcohol water solvent systems at 25°C. , V.K.Syal, Saneel Kumar, S. Chauhan and **Poonam Sharma**. 74th Annual session of The National Academy of Sci. India, held at Jaipur from Dec.2-4, 2004. **ISSN 0370- 0046**
4. Viscosity and density studies of some Narcotic – Analgesic Drugs in Ethanol (EtOH) Water (H₂O) mixtures at 25°C. V. K. Syal, S. Chauhan and **Poonam Sharma**. National symposium on future challenges in chemical sci. held at H.P.U. Shimla from March 9-11, 2005.
5. A study of acoustical behaviour of Narcotic analgesic drug Parvodex in aqueous – alcoholic mixtures at 25°C. V. K. Syal, **Poonam Sharma**, S. Chauhan and

- Saneel Thakur. National Conference on Modern Trends in Chemical Science and Technology held at DAV College Jalandhar from 15-17 October, 2005.
6. A study of Acoustical behaviour of drug Colimax in aqueous mixtures of methanol at 25°C. V. K. Syal, Saneel Tahkur, S. Chauhan and **Poonam Sharma**. National Seminar on Recent Trends in Synthetic and polymer Chemistry held at H. P. U. Shimla from December 5-6, 2005.
 7. Ultrasonic velocity and viscosity studies of Tramacip and Parvodex in binary mixtures of alcohol water. S. Chauhan, M.S.Chauhan, V. K. Syal and **Poonam Sharma**. National Seminar on Recent Trends in Synthetic and polymer Chemistry held at H. P. U. Shimla from March 23-24, 2007.
 8. Acoustical Studies of Narcotic-Analgesic Drugs in Aqueous-Alcoholic Mixtures at 25°C. S. Chauhan, M.S.Chauhan, V. K. Syal and **Poonam Sharma**. National Symposium on Recent Advances in Analytical Sciences and Applications, held at Department of Chemistry, Himachal Pradesh University, Shimla-171005, India. April 09-11, 2007
 9. Acoustical Studies of Trammadol hydrochloride in Aqueous-Alcoholic Mixtures at 25°C. S. Chauhan, M.S.Chauhan, V. K. Syal and **Poonam Sharma**. 3rd National Symposium on Analytical Sciences on Recent Advances in Analytical Sciences, held at Department of Chemistry, Himachal Pradesh University, Shimla-171005, India. April 12-14, 2010
 10. Photocurrent Study with Heat Treatment in SeTeSn Thin Film: Vineet Sharma, **Poonam Sharma** and Pankaj Sharma : National Conference on Research methods in Science, Technology and Management (REMET- 2011), Green Hills Engineering College, Kumarhatti, Solan HP, India 26-27 March, 2011.
 11. Conductometric Study: An Eminent Approach to Prosecute Micellar Behavior of SDS in Aqueous Media Containing Butylated Hydroxyanisole: Varun Bhardwaj, **Poonam Sharma**, S. Chauhan and M S Chauhan: National conference "Chemical Constellation Cheminar" held at National Institute of Technology, Jalandhar, Punjab. (20-21, August, 2011).
 12. Physicochemical study of BHA-SDS interaction in aqueous-alcoholic media: Varun Bhardwaj, **Poonam Sharma**, S. Chauhan and M S Chauhan : National Conference on "Recent Trends in Materials science" held at Jaypee University of Information Technology, Solan, Himachal Pradesh (8-10, October, 2011).
 13. Temperature dependent micellization behavior of Sodium Dodecyl Sulphate (SDS) in aqueous solutions of Lysozyme: S. Chauhan, Pankaj Sharma, **Poonam**

- Sharma** and M S Chauhan: National Conference on “Recent Trends in Materials science” held at JUIT, Solan, Himachal Pradesh (8-10, October, 2011).
14. Viscometric and Acoustical studies of Phospholipid- Proline interaction in Ethanol: S. Chauhan, D. S. Rana and **Poonam Sharma**: National Symposium on chemistry innovations for human well being, held at Department of Chemistry, HPU Shimla (21-22 Oct 2011)
 15. Micellization Behaviour SDS and CTAB in Aqueous Mixtures of N-methylacetamide (A study of effect of structural sequences of intermolecular interactions): Dilbag Singh , Rajender Sharma, Rajni, **Poonam Sharma** and M.S. Chauhan: National Conference in Frontiers in Polymer Science” during 18-19 November 2011 at Department of Chemistry, H.P. University, Shimla.
 16. Prosecution of Butylated Hydroxyanisole/Butylated Hydroxytoluene-SDS (*Antioxidant-Surfactant*) Interaction by Conductometric profiling & utilizing in Gel Formulation: Varun Bhardwaj and **Poonam Sharma**: International conference on “Recent Advances in Pharmaceutical Sciences” held at Rayat Institute of Pharmacy, SBS Nagar, Punjab, (21-23 March 2012).
 17. Lipophilic Molecules with Anionic Surfactant: A Physicochemical Examination for Utilization in Topical Gel Formulation: Varun Bhardwaj and **Poonam Sharma**: GTU sponsored International Conference on “Emerging Trends in Drug Research and Development” held at Shree Dhanvantary Pharmacy College, KIM, Surat, Gujarat, (30-31, March 2013).
 18. Impact of BHA on SDS properties: A thermo-acoustic exploration for utilization in topical formulation: Varun Bhardwaj and **Poonam Sharma**: APICENS-2013, Asia-Pacific Conference on Engineering and Natural sciences, International Conference, Thailand (16-18, April 2013).
 19. Antioxidants and ethoxylated alkylphenol (Triton X-100) in hydroalcoholic solutions: Interactional examination, gel formulation and broad spectrum antifungal evaluation: Varun Bhardwaj , **Poonam Sharma**, Shailesh Sharma, S. Chauhan and Swaranjit Singh Cameotra: National Seminar on Advancement, Challenges & Opportunities in Pharmaceutical Research, Amar Shaheed Baba Ajit Jujhar Singh Memorial College of pharmacy, Bela (Ropar) (18-20 Oct. 2013)
 20. Fluconazole-loaded ethosomes: Physico-chemical characterization and antifungal evaluation: Tarun Bhardwaj, Varun Bhardwaj , Abhishek Gupta ,

Swaranjit Singh Cameotra and **Poonam Sharma**: National Seminar on Advancement, Challenges & Opportunities in Pharmaceutical Research, Amar Shaheed Baba Ajit Jujhar Singh Memorial College of pharmacy, Bela (Ropar) (18-20 Oct. 2013)

21. Preparation, characterization and antifungal evaluation of terbinafine hydrochloride ethosomes : Abhishek Gupta, Varun Bhardwaj, Tarun Bhardwaj , Swaranjit Singh Cameotra and **Poonam Sharma**: National Seminar on Advancement, Challenges & Opportunities in Pharmaceutical Research, Amar Shaheed Baba Ajit Jujhar Singh Memorial College of pharmacy, Bela (Ropar) (18-20 Oct. 2013)
22. Effect of temperature and additives on the critical micelle concentration and thermodynamics of micelle formation of sodium dodecyl benzene sulfonate and dodecyltrimethylammonium bromide in aqueous solution: A conductometric study : S. Chauhan, Kundan Sharma, V.K. Syal, **Poonam Sharma**, V. Bhardwaj : National Seminar on Frontiers in Polymer Science: Department of Chemistry, Himachal Pradesh University, Shimla (Dec 12-13, 2013)
23. **Poonam Sharma** (2015). Drug-Surfactant Interaction: thermoacoustic investigation of sodium dodecyl sulfate and antimicrobial drug. *Proceedings of the International conference on Emerging Trends in Basic and Applied Sciences* [Maharaja Agarsen University, Baddi, HP : 1-2 May, 2015], pp.10-10.
24. Ashwina, Akshay, Saurabh, **Poonam Sharma** (2017). Comparative Interaction Study of Amylase and Surfactants for Potential Detergent Formulation. *Proceedings of the National Conference* [Maharaja Agarsen University, Baddi, H. P. India. : 4 March 2017
25. Anmol, Anubhav, **Poonam Sharma** (2017). Analysis of Surfactant Micelles and their Interaction with Antimicrobial Drug i.e. Ltraconazole for Potential Pharmaceutical Application.. *Proceedings of the National Conference* [Maharaja Agarsen University, Baddi (HP) : 4 March 2017].

26. Vikrant Abbot, Poonam Sharma (2020). Effect of quercetin on micellization behaviour of Tween-20 in hydro-ethanolic solvent system: An electrolyte induced thermodynamic study. *Proceedings of the International Conference on Applied Physics, Power and Material Science* [2nd : Telangana : 20-21 December, 2019], pp.1-7.. Google Citation
27. Deepika Sharma, Poonam Sharma, Rahul Shrivastava, Gopal Singh Bisht (2018). Design, Synthesis, Characterization and Evaluation of Antimycobacterial activities of Peptidomimetics. *Proceedings of the Himachal Pradesh Science Congress* [3rd. : Indian Institute of Technology, Mandi, Himachal Pradesh, India : 22-23 October, 2018], pp.-.. Google Citation
28. Anmol, Anubhav, Poonam Sharma (2017). Analysis of Surfactant Micelles and their Interaction with Antimicrobial Drug i.e. Itraconazole for Potential Pharmaceutical Application.. *Proceedings of the National Conference* [Maharaja Agarsen University, Baddi (HP) : 4 March 2017], pp.-.. Google Citation

R and D Project:

Project Title	Status	Funding Agency	Sanctioned amount	Duration
Physico-chemical studies of drug-surfactant interactions in aqueous alcoholic solutions	Principle Investigator	Department of Science and Technology, under FAST TRACK young Scientist Scheme	6,40,000/-	2010-2013
Physico-chemical Study of Flavonoid -	Principle Investigator	Department of Science and Technology,	22,50600/-	2017-2020

Surfactant Interaction: Utilization of Neomycin Topical Formulation	in	under Extra Mural Research (SERB)		
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Workshop/Faculty development programme attended:

- i) Five day IUCEE workshop on Electronic and Opto-Electronic Materials organized by Department of Physics in association with Indo-US collaboration for Engineering Education held on 30 May - 3 June 2011.
- ii) Two day Workshop on Antenna Materials organized by Materials Research Society of India (MRSI)-Himachal Pradesh Chapter and Department of Physics at Jaypee University of Information Technology during 14th – 15th December, 2012.
- iii) One week Faculty development programme organized by JUIT, Wagnaghat during 14th July 2014 to 19th July 2014.
- iv) One week workshop on Workshop on Combinatorics and Graph Theory in Science and Engineering programme organized by JUIT, Wagnaghat during 3rd Nov 2014 to 8th Nov 2014
- v) One week Faculty development programme on Outcome based learning organized by Deptt. of BT/BI, JUIT, Wagnaghat during 24th Dec 2015 to 30th Dec 2015.
- vi) One week workshop on National Program on Differential Equations: Theory, Computation & Applications (NPDE-TCA) organized by JUIT, Wagnaghat during 19 - 25 October, 2015.
- vii) One week workshop on Statistical Techniques in Biological and Medical Sciences STBMS - 16 organized by JUIT, Wagnaghat during June 13 - 18, 2016.
- viii) One day Workshop On Patent Filing & Geographical Indications, organized by IPR Cell, JUIT Wagnaghat, Solan, (H.P.) in Collaboration With Himachal Pradesh Patent Information Centre, Shimla, (H.P.) (HPPIC) on **27th February, 2017.**

- ix) One day workshop on Innovation and Intellectual Property Rights by IPR Cell, JUIT Waknaghat, Solan, (H.P.) on 9th December 2016.

Supervision:

1. Ph.D. - 01

2. M. Pharma – 04

3. M. Phil. – 01

4. B. Pharma- 02

5. B.Tech. -05

Academic Responsibilities:

Mentor :

Academic mentor of B.Tech (BT) girls of First Year of Batch – 2017

Lab Co-ordinator :

Nano-technology Lab IIRD Floor

Store Co-incharge

Store Co-incharge of chemical and glassware store of Deptt. of BT/BI

Outreach Activity

Faculty Coordinator of Outreach Team

Courses and Labs Taught:

Chemistry (for B. Tech. Civil)

Chemistry Lab (for B. Tech. Civil)

Thermodynamics and Chemical Processes (for BT and BTDD)

Thermodynamics and Chemical Processes Lab (for BT and BTDD)

Pharmaceutical Engineering (for B. Pharm.)

Pharmaceutical Engineering Lab (for B. Pharm.)
Environmental Studies (All Branches)
Industrial Chemistry (Open Elective)