


Curriculum Vitae

Full Name:	DR. BHUPINDER KUMAR			
Designation	Assistant Professor			
Department:	Department of Pharmaceutical Sciences			
Campus:	Srinagar/Chauras			
Communication Address	Department of Pharmaceutical Sciences HNB Garhwal University (A Central University), Chauras Campus, P.O. Kilkileshwar, Via Kritinagar Distt. Tehri Garhwal, Pin-249161, Uttarakhand			
Mobile:	8699273452, 9877311037			
Email	bhupinderkumar25@gmail.com			
Educational Qualification:	M. Pharm., Ph.D. (Pharmaceutical Chemistry)			
Teaching Experience	4 Yrs	Research Experience	4 Yrs	
Research Interest and Fields of Specialization				
Synthetic Organic and Medicinal Chemistry, Drug Design and Discovery, Pharmaceutical Chemistry, Neurological Disorders, Anticancer Drug Development, Preparations of Manuscripts, Scientific Posters, Reports and Presentations				
Administrative /Academic committees and responsibilities				
a. Member Placement Committee- HNBGU. b. Member Scientific Committee- HNBGU.				
Membership of Scientific Organizations				
a. Life time member of Association of Pharmaceutical Teachers of India (Member ID is PU/LM-454, dated - 29/Oct/2022).				
Research Supervision				
12 M. Pharm (Pharmaceutical Chemistry)				
Projects				
1. INDIA-AUSTRIA scientific collaboration Project, DST and OeAD (2017-2019)				
Patents				
1. Vinod Kumar, Bhupinder Kumar , Ashish Ranjan Dwivedi, Pyrimidine Bridged Biaryl Derivatives as Multi-Targeting Agents for the Treatment of Neurological Disorders; Indian Patent Application no. 201811008301 (Granted Patent No. 396086).				
2. Vinod Kumar, Ashish Ranjan Dwivedi, Bhupinder Kumar , Single Step Process for the Direct Preparation of Aromatic Amines from Aromatic Halides and Azides; Indian Patent Application number 201911006109 (Published).				
3. Rohit Bhatia, Amandeep Singh, Bhupinder Kumar , Shibam Das, Raj Kumar Narang, Microfluidic Device in Laboratory Use (Design Patent), Indian Patent No. 368448-001				
Publications				
1. Bhupinder Kumar , Ashish Ranjan Dwivedi, Tania Arora, Khadga Raj, Vikash Prashar, Vijay Kumar, Shamsher Singh, Jyoti Parkash, Vinod Kumar, Design, Synthesis and Pharmacological Evaluation of N-Propargylated Diphenylpyrimidines as Multi-target Directed Ligands for the Treatment of Alzheimer's Disease, ACS Chemical Neuroscience, 2022, 13, 2122-2139; Impact Factor- 5.78				
2. Rohit Pal, Bhupinder Kumar , Guruubasavaraja Swamy P M, Pooja A Chawla, Design, synthesis of 1,2,4-triazine derivatives as antidepressant and antioxidant agents: In vitro, in vivo				

- and in silico studies, *Bioorganic Chemistry*, 2023, 131, 106284; Impact Factor- 5.31.
3. Nilay Kumar Nandi, Rohit Bhatia, Suresh Saini, Ravi Rawat, Shilpa Sharma, Khadga Raj, Naresh Rangra, **Bhupinder Kumar**, Design, Synthesis, Pharmacological and In Silico Screening of Disubstituted-Piperazine Derivatives as Selective and Reversible MAO-A Inhibitors for Treatment of Depression, *Journal of Molecular Structure*, 2023, 1276, 134671; Impact Factor- 3.84
 4. Chahat, Rohit Bhatia, **Bhupinder Kumar**, p53 as a Potential Target for Treatment of Cancer: A Perspective on Recent Advancements in Small Molecules with Structural Insights and SAR Studies, *European Journal of Medicinal Chemistry*, 2023, 247C, 115020; Impact Factor: 7.08
 5. Md Jawaid Akhtar, Shah Alam Khan, **Bhupinder Kumar**, Pooja Chawla, Rohit Bhatia & Karanvir Singh, Role of sodium dependent SLC13 transporter inhibitors in various metabolic disorders, *Molecular and Cellular Biochemistry*, 2022, Accepted; Impact Factor: 3.84
 6. Ramkaran, Ravindra K. Rawal, Praveen K. Gupta, **Bhupinder Kumar**, Rohit Bhatia, Design, Synthesis and Biological Evaluation of Novel Dihydropyrimidinone Derivatives as Potential Anticancer agents and Tubulin Polymerization Inhibitors, *ASSAY and Drug Development Technologies*, 2022, Accepted; Impact Factor- 2.47
 7. Karanvir Singh, Piyush Kumar, Rohit Bhatia, Vipasha Mehta, **Bhupinder Kumar**, Md. Jawaid Akhtar, Nipecotic acid as potential lead molecule for the development of GABA uptake inhibitors; Structural insights and Design strategies, *European Journal of Medicinal Chemistry*, 2022, 234, 114269; Impact Factor: 7.08
 8. Deeksha Shukla, Nilay Kumar Nandi, Baljinder Singh, Arti Singh, **Bhupinder Kumar**, Raj Kumar Narang, Charan Singh, Ferulic Acid-Loaded Drug Delivery Systems for Biomedical Applications, *Journal of Drug Delivery Science and Technology*, 2022, 75, 103621; Impact Factor: 5.06
 9. Gourav Grover, Rohit Pal, Rohit Bhatia, Rajarshi Nath, Shamsheer Singh, Khadga Raj, **Bhupinder Kumar**, Md Jawaid Akhtar, Design, synthesis, and pharmacological evaluation of aryl oxadiazole linked 1,2,4-triazine derivatives as anticonvulsant agents, *Medicinal Chemistry Research*, 2022, 31, 781-793; Impact Factor: 2.35
 10. Rohit Pal, Md. Jawaid Akhtar, Khadga Raj, Shamsheer Singh, Priyanka Sharma, Sourav Kalra, Pooja A. Chawla, **Bhupinder Kumar**, Design, Synthesis and Evaluation of Piperazine Clubbed 1,2,4-triazine Derivatives as Potent Anticonvulsant Agents, *Journal of Molecular Structure*, 2022, 1257, 132587; Impact Factor: 3.84
 11. Rohit Bhatia, Akhsun Vyas, Raghav Dogra, **Bhupinder Kumar**, Rationale design, Synthesis, Pharmacological and In-silico Investigation of Indole functionalized Isoxazoles as Anti-inflammatory Agents, *Chemistryselect*, 2022, 7, e202200800; Impact Factor- 2.31
 12. Sukhwinder Singh, Shivani Chib, **Bhupinder Kumar**, Pooja A. Chawla, Md Jawaid Akhtar, Paradigms and Success Stories of Natural Products in Drug Discovery against Neurodegenerative Disorders (NDDs), *Current Neuropharmacology*, 2022, Accepted; Impact Factor- 7.71
 13. Akshun Vyas, Bhaskar Sahu, Shelly Pathania, Nilay Kumar Nandi, Gaurav Chauhan, Vivek Asatia, and Bhupinder Kumar, An Insight on Medicinal Attributes of Pyrimidine Scaffold: An Updated Review, *Journal of Heterocyclic Chemistry*, 2022, Accepted; Impact Factor- 2.03
 14. Indu Passi, Sushant, Bhupinder Kumar, US-FDA Approved Drugs for year 2020 and 2021: A Review, *Mini Reviews in Medicinal Chemistry*, 2022, Accepted; Impact Factor- 3.73
 15. Indu Passi, Koushal Billowria, **Bhupinder Kumar**, Pooja A. Chawla, Tivozanib: A new hope of treating renal cell carcinoma, *Anticancer Agents Med Chem.* 2022, Accepted; Impact Factor- 2.53
 16. Nilay Kumar Nandi, Akshun Vyas, Md Jawaid Akhtar, **Bhupinder Kumar**, The growing concern of chlorpyrifos exposures on human and environmental health, *Pesticide Biochemistry and Physiology*, 2022, 185, 105138; Impact Factor- 4.97
 17. Sushant, Indu Passi, **Bhupinder Kumar**, Various analytical methods for estimation of potassium

- sorbate in food products: A review, *Current Analytical Chemistry*, 2022, 18, 977-988; Impact Factor- 2.37
18. Sushant, Indu Passi, **Bhupinder Kumar**, Nano Spray Dryer as an Advancement in Preparation of Nanoformulations: An Editorial, *Current Analytical Chemistry*, 2022, Accepted; Impact Factor- 2.37
 19. Indu Passi, Sushant, SS Ganti, Bhupinder Kumar, Differential Scanning Calorimetry Has Emerged as a Key Analytical Tool in Thermal Analysis of Pharmaceutical Formulations, *Current Pharmaceutical Design*, 2022, 28, 3082-3084; Impact Factor- 3.31
 20. **Bhupinder Kumar**, Naveen Kumar, Amandeep Thakur, Vijay Kumar, Rakesh Kumar and Vinod Kumar, A Review on the Designing, Synthesis and Structure Activity Relationship Studies of Arylpiperazine Derivatives and their role in Neurological Disorders, *Current Drug Targets*, 2022, 23, 729-751; Impact Factor: 2.94
 21. **Bhupinder Kumar**, Ashish Ranjan Dwivedi, Bibekananda Sarkar, Sukesh Kumar Gupta, Sairam Krishnamurthy, Anil K. Mantha, Jyoti Parkash, and Vinod Kumar, 4, 6-Diphenylpyrimidine Derivatives as Dual Inhibitors of Monoamine Oxidase and Acetylcholinesterase for the Treatment of Alzheimer's Disease, *ACS Chemical Neuroscience*, 2019, 10, 252-261; Impact Factor- 5.78
 22. Pavneet Kaur, **Bhupinder Kumar**, Kamlesh K Gurjar, Rohtash Kumar, Vinod Kumar and Rakesh Kumar, Metal- and solvent-free multicomponent decarboxylative A³-coupling for the synthesis of propargylamines: Experimental, computational and biological investigations, *Journal of Organic Chemistry*, 2020, 85, 2231-2241; Impact Factor- 4.20
 23. Karanvir Singh, Rohit Bhatia, **Bhupinder Kumar**, Gurpreet Singh, Vikramdeep Monga, Design strategies, chemistry and therapeutic insights of multi-target directed ligands as antidepressant agents, *Current Neuropharmacology*, 2022, 20, 1329-1358; Impact Factor- 7.71
 24. Ravi R. Kumar, Vijay Kumar, Dilpreet Kaur, Nilay K. Nandi, Ashish R. Dwivedi, Vinod Kumar and **Bhupinder Kumar**, Investigation of indole-3-piperazinyl derivatives as potential antidepressants: design, synthesis, in-vitro, in-vivo and in-silico analysis, *Chemistryselect*, 2021, 6, 11276; Impact Factor- 2.31
 25. Sahil Sharma, Devendra Kumar, Gurpreet Singh, Vikramdeep Monga and **Bhupinder Kumar**, Recent advancements in the development of heterocyclic anti-inflammatory agents, *European Journal of Medicinal Chemistry*, 2020, 200, 112438; Impact Factor- 7.08
 26. Rohit Pal, **Bhupinder Kumar**, Md. Jawaid Akhtar, Pooja A Chawla, Voltage gated sodium channel inhibitors as anticonvulsant drugs: A systematic review on recent developments and structure activity relationship studies, *Bioorganic Chemistry*, 2021, 115, 105230; Impact Factor- 5.31
 27. Rohit Pal, Karanvir Singh, Pooja A Chawla, **Bhupinder Kumar**, Md. Jawaid Akhtar, Reactive metabolites of the Anticonvulsant drugs and approaches to minimize the adverse drug reaction, *European Journal of Medicinal Chemistry*, 2021, 226, 113890; Impact Factor- 7.08
 28. Ravi Ranjan Kumar, Lovekesh Singh, Amandeep Thakur, Shamsher Singh, **Bhupinder Kumar**, Role of Vitamins in Neurodegenerative Diseases: A Review, *CNS and Neurological Disorders-Drug Targets*, 2022, 21, 766-773; Impact Factor- 2.82
 29. Devendra Kumar, Ravi Ranjan Kumar, Shelly Pathania, Pankaj Kumar Singh, Sourav Kalra, **Bhupinder Kumar**, Investigation of indole functionalized pyrazoles and oxadiazoles as anti-inflammatory agents: synthesis, in-vivo, in-vitro and in-silico analysis, *Bioorganic Chemistry*, 2021, 114, 105068; Impact Factor- 5.31
 30. Ravi Ranjan Kumar, Bhaskar Sahu, Shelly Pathania, Pankaj Kumar Singh, Md Jawaid Akhtar and **Bhupinder Kumar**, Piperazine, a key sub-structure for anti-depressants: its role in developments and structure-activity relationship, *ChemMedChem*, 2021, 16, 1878-1901; Impact Factor: 3.54
 31. Puja Bag, Rahul K. Maurya, Ankita Dadwal, Mrinmoy Sarkar, Pooja A. Chawla, Raj K. Narang,

- Bhupinder Kumar**, Recent Development in Synthesis of Carbon Dots from Natural Resources and Their Applications in Biomedicine and Multi-Sensing Platform, *ChemistrySelect*, 2021, 6, 2774-2789; Impact Factor- 2.31
32. Mrinmoy Sarkar, Puja Bag, **Bhupinder Kumar**, Pooja A. Chawla, Development and Validation by Reverse Phase High Performance Liquid Chromatography Method for the Estimation of Piperine and Coenzyme Q10 in Bulk and Pharmaceutical Dosage Form, *Indian Journal of Pharmaceutical Sciences* 2021, 83, 1208-1214; Impact Factor- 0.66
 33. Karanvir Singh, Rohit Pal, Shah Alam Khan, **Bhupinder Kumar**, Md Jawaid Akhtar, Insights into the structure activity relationship of Nitrogen-containing heterocyclics for the development of antidepressant compounds: An updated review, *Journal of Molecular Structure*, 2021, 1237, 13069; Impact Factor- 3.84
 34. Amandeep Thakur, Diksha Choudhary, **Bhupinder Kumar**, Amit Chaudhary, A review on post-traumatic stress disorder (PTSD): "Symptoms, Therapies and Recent Case Studies", *Current Molecular Pharmacology*, 2022, 15, 502-516; Impact Factor- 3.85
 35. **Bhupinder Kumar**, Amandeep Thakur, Ashish Ranjan Dwivedi, Rakesh Kumar, Vinod Kumar, Multi-Target-Directed Ligands as an Effective Strategy for the Treatment of Alzheimer's Disease, *Current Medicinal Chemistry*, 2022, 29, 1757-1803; Impact Factor: 4.74
 36. Bhupendra Nehra, Sandeep Rulhania, Shalini Jaiswal, **Bhupinder Kumar**, Gurpreet Singh, Vikramdeep Monga, Recent advancements in the development of bioactive pyrazoline derivatives, *European Journal of Medicinal Chemistry*, 2020, 205, 112666; Impact Factor- 7.08
 37. Devendra Kumar, Gaurav Chauhan, Sourav Kalra, **Bhupinder Kumar** and Manjinder Singh, A Perspective on Potential Target Proteins of COVID-19: Comparison with SARS-CoV for Designing New Small Molecules, *Bioorganic Chemistry*, 2020, 104, 104326; Impact Factor- 5.31
 38. Ramesh Verma, Rohit Bhatia, Gurpreet Singh, **Bhupinder Kumar**, and Vikramdeep Monga, Design, Synthesis and Neuropharmacological Evaluation of New 2,4-Disubstituted-1,5-Benzodiazepines as CNS Active Agents, *Bioorganic Chemistry*, 2020, 101, 104010; Impact Factor- 5.31
 39. Suvadeep Mal, Ashish Ranjan Dwivedi, Vijay Kumar, Naveen Kumar, **Bhupinder Kumar** and Vinod Kumar, Role of Peroxisome Proliferator-Activated Receptor gamma (PPAR γ) in Different Disease States: Recent Updates, *Current Medicinal Chemistry*, 2020, 28, 3193; Impact Factor: 4.74
 40. Vijay Kumar, **Bhupinder Kumar**, Ashish Ranjan Dwivedi, Devashish Mehta, Naveen Kumar, Beenu Bajaj, Tania Arora, Vikash Prashar, Jyoti Parkash and Vinod Kumar, Design, Synthesis and Evaluation of O-Pentyne Substituted Diphenylpyrimidines as Monoamine Oxidase and Acetylcholinesterase Inhibitors, *Chemistryselect*, 2020, 5, 8021-8032; Impact Factor- 2.31
 41. Puja Bag and **Bhupinder Kumar***, A Review on Different Analytical Techniques for Determination of DNP Drugs and their Metabolites in Pharmaceutical Formulations, *Current Pharmaceutical Analysis*, 2020, 17, 1132-1135; Impact Factor- 0.74
 42. Sumit Pannu, **Bhupinder Kumar**, Analytical Methodologies for Determination of Hydroxychloroquine and Its Metabolites in Pharmaceutical, Biological and Environmental Samples, *Current Pharmaceutical Analysis*, 2021, Accepted; Impact Factor- 0.74
 43. Devendra Kumar, Sahil Sharma, Sourav Kalra, Gurpreet Singh, Vikramdeep Monga and **Bhupinder Kumar***, Medicinal perspective of Indole: Recent developments and structure activity relationship studies, *Current Drug Targets*, 2020, 21, 864-891; Impact Factor- 2.94
 44. Jagseer Singh, Pooja A Chawla, Md Jawaid Akhtar and **Bhupinder Kumar**, An insight into synthetic strategies for Schiff's Base derivatives with diverse biological activities, *Mini Reviews in Organic Chemistry*, 2020, Accepted; Impact Factor- 2.16
 45. **Bhupinder Kumar**, Vijay Kumar, Bhupinder Kumar, Vijay Kumar, Vikash Prashar, Suresh Saini, Ashish Ranjan Dwivedi, Beenu Bajaj, Devashish Mehta, Jyoti Parkash and Vinod Kumar, Dipropargyl Substituted Diphenylpyrimidines as Dual Inhibitors of Monoamine Oxidase and

Acetylcholinesterase, *European Journal of Medicinal Chemistry*, 2019, 177,221-234; Impact Factor- 7.08

46. **Bhupinder Kumar**, Sheetal, Anil K. Mantha and Vinod Kumar, Recent Developments on the Structure-Activity Relationship Studies of MAO Inhibitors and Their Role in Different Neurological Disorder, *RSC Advances*; 2016, 6, 42660-42683; Impact Factor- 4.04
47. **Bhupinder Kumar**, Vivek Prakash Gupta and Vinod Kumar, A Perspective on Monoamine Oxidase Enzyme as Drug Target: Challenges and Opportunities, *Cur. Drug Targets*, 2017, 18, 87-97; Impact Factor- 2.94
48. **Bhupinder Kumar**, Sheetal, Anil K Mantha and Vinod Kumar, Synthesis, Biological Evaluation and Molecular Modeling Studies of Phenyl-/Benzhydrylpiperazine Derivatives as Potential MAO Inhibitors, *Bioorganic Chemistry*, 2018, 77, 252-262. Impact Factor: 5.31
49. **Bhupinder Kumar**, Mohit Kumar, Ashish Ranjan Dwivedi, and Vinod Kumar, Synthesis, Biological Evaluation and Molecular Modeling Studies of Propargyl Containing 2,4,6-trisubstituted Pyrimidine Derivatives as Potential anti-Parkinson agents, *ChemMedChem*, 2018, 13, 705-712. Impact Factor: 3.54
50. Pavneet Kaur, **Bhupinder Kumar**, Vinod Kumar, Rakesh Kumar, Chitosan-supported copper as an efficient and recyclable heterogeneous catalyst for A³/decarboxylative A³-coupling reaction, *Tetrahedron Letter*, 2018, 59, 1986-1991. Impact Factor: 2.03
51. **Bhupinder Kumar**, Praveen Sharma, Vivek Prakash Gupta, Madhu Khullar, Sandeep Singh, Nilambra Dogra and Vinod Kumar, Synthesis and Biological Evaluation of Pyrimidine Bridged Combretastatin Derivatives as Potential Anticancer Agents and Mechanistic Studies, *Bioorganic Chemistry*, 2018, 78, 130-140. Impact Factor: 5.31
52. **Bhupinder Kumar**, Sandeep Singh, Ira Skvortsova and Vinod Kumar, Promising Targets in Anti-cancer Drug Development: Recent Updates, *Current Medicinal Chemistry*, 2017, 27, 4729-4752, Impact Factor: 4.74
53. **Bhupinder Kumar**, Rakesh Kumar, Ira Skvortsova, and Vinod Kumar; Mechanisms of Tubulin Binding Ligands to Target Cancer Cells: Updates on Their Therapeutic Potential and Clinical Trials, *Current Cancer Drug Targets*; 2017, 17, 357-375, Impact Factor- 2.91
54. Ramandeep Kaur, **Bhupinder Kumar**, Ashish Ranjan Dwivedi, Vinod Kumar, Regioselective Alkylation of 1,2,4-triazole Using Ionic Liquids Under Microwave Conditions, *Green Processing and Synthesis*; 2016, 5, 233-237. Impact Factor- 3.97
55. Ramandeep Kaur, AR Dwivedi, **Bhupinder Kumar**, Vinod Kumar, Recent Developments on 1,2,4-Triazole Nucleus in Anticancer Compounds: A Review, *Anticancer Agents Med Chem*. 2016, 16(4): 465-489, Impact Factor- 2.53

Books/Book Chapters

1. Sourabh Kosey, **Bhupinder Kumar**, Mandeep Kaur, Practice School (B. Pharm 7th Semester, As per PCI syllabus), Nirali Prakashan, ISBN 9789354511523. (Jan 2021)
2. GD Gupta, **Bhupinder Kumar**, Dheeraj S. Bele, Synthesis of Medicinal Compounds, Nirali Prakashan, ISBN 9789354516412. (Jan 2023)
3. **Bhupinder Kumar**, Pooja A. Chawla, and Viney Chawla. "Chapter 16- Computer Aided Drug Design." in *Computer Aided Pharmaceutics and Drug Delivery*. Springer, Singapore, 2022. 505-541.
4. Rohit Bhatia, Amandeep Singh, **Bhupinder Kumar**, Ravindra K. Rawal. "Chapter 2- Impact of Coumarin Hybrids upon Imperative Clinical Targets Against Cancer" in *Key Heterocyclic Cores for Smart Anticancer Drug-Design Part-II*. Bentham Science, Singapore, 2022, 35-78.
5. Ankita Dadwal, Ashish Garg, **Bhupinder Kumar**, R. K. Narang, Neeraj Mishra. "Chapter 8- Polymer-drug conjugates: Origins, progress to date, and future directions" in *Smart Polymeric Nano-Constructs in Drug Delivery*. Elsevier Academic Press, Cambridge, 2022. 221-248
6. **Bhupinder Kumar**, Shah Alam Khan and Md Jawaid Akhtar. "Chapter 11- Phytochemicals and

therapeutic potential of *Punica granatum L*” in Herbs, Spices and Their Roles in Nutraceuticals and Functional Foods. Elsevier Academic Press, Cambridge, 2023. 171-209

7. Shibam Das, Rohit Bhatia, and **Bhupinder Kumar**. “Chapter 6- Impact of Doping on Efficiency of Quantum Dots” in Quantum Dots and Polymer Nanocomposites Synthesis, Chemistry, and Applications. CRC Press, Tylor and Francis group, London, 2022. 105-124

Conferences/Workshops/Presentations

1. Award presentation entitled “Design, Synthesis and Screening of Phenylpiperazine and 1-Benzhydrylpiperazine Derivatives as Putative MAO inhibitors” **Bhupinder Kumar**, Shelly Pathania and Vinod Kumar in a “51st Annual Convention of Chemists 2014” (**Won prize: Prof P.Sengupta Memorial Award**) held on December 9-12, 2014 at Department of Chemistry, Kurukshetra University, Kurukshetra, Haryana, India.
2. Presented a poster entitled “4,6-diphenylpyrimidine derivatives as Dual Inhibitors of Monoamine Oxidase and Acetylcholinesterase for the Treatment of Alzheimer’s Disease” at international conference “Frontiers in Chemical Sciences” **Bhupinder Kumar** and Vinod Kumar held on December 6-8, 2018 at Department of Chemistry, Indian Institute of Technology Guwahati.
3. Attended an international conference on “Nascent Developments in Chemical Sciences: Opportunities for Academia-Industry Collaboration (NDCS-2015)” and a poster was presented entitled “Design, Synthesis and Screening of 1-Benzhydrylpiperazine Derivatives as Putative MAO Inhibitors” **Bhupinder Kumar** and Vinod Kumar; held on Oct. 16-18, 2015 at Department of Chemistry, BITS-Pilani, Rajasthan.
4. Attended a Three-Day National Workshop on ‘Drug Design, Molecular Docking, Virtual Screening and Pharmacoinformatics’ held at Department of Pharmaceutical Sciences and Natural Products in collaboration with Schrödinger INC. USA on Nov. 26-28, 2015 at Central University of Punjab, City Campus, Mansa Road, Bathinda.
5. Poster presentation entitled “Design, Synthesis and Evaluation of Pyrimidine Bridged Combretastatin Derivatives as Putative Antiproliferative Agents” **Bhupinder Kumar**, Sapna, Sandeep Singh and Vinod Kumar; in the International Symposium on Current Trends in Drug Discovery and Research (CTDDR)” held at CDRI Lucknow from Feb. 25-28, 2016.
6. Poster presented by student entitled “*In Silico* Screening of 1-Benzhydrylpiperazine Derivatives as Putative MAO inhibitors” **Bhupinder Kumar** and Vinod Kumar in a Seminar on “Recent Trends in Molecular Medicine” December 5, 2014 at Central University of Punjab, Centre for Genetic Diseases and Molecular Medicine, Bathinda, Punjab, India.
7. Organized (Member organizing committee) a Three-Day National Workshop on “Advanced Workshop on Molecular Docking, Virtual Screening and Computational Biology” held at Department of Pharmaceutical Sciences and Natural Products in collaboration with Schrödinger INC. USA on Nov. 15-17, 2017 at Central University of Punjab, City Campus, Mansa Road, Bathinda.
8. Attended a Two-Day National Workshop on ‘Cytokine analysis and phenotyping of B/T cells using Flow Cytometry’ held by Centre for Human Genetics and Molecular Medicine in collaboration with BD Biosciences on Jan. 21-22, 2016 at Central University of Punjab, City Campus, Mansa Road, Bathinda.
9. Presented poster at One Day National Workshop on ‘Training the Trainers- Water Quality and Health’ held on Feb. 11, 2015 at Central University of Punjab, City Campus, Mansa Road, Bathinda.
10. Attended seminar on “The evolving Importance of Intellectual Property Rights” held on Jan. 30, 2016 at Central University of Punjab, City Campus, Mansa Road, Bathinda.
11. Bhupinder Kumar participated in DST and CII sponsored one day workshop on “Prime Minister’s Fellowship Scheme for Doctoral Research” organized on May 3, 2017 at Central

University of Punjab, City Campus, Mansa Road, Bathinda.

12. Attended a One-Day National Workshop on 'GC-MS instrumentation and sample preparation techniques' held by Central instrumentation laboratory in collaboration with Toshvin Analytical Pvt. Ltd. Mumbai, on Jan. 11, 2019 at Central University of Punjab, City Campus, Mansa Road, Bathinda.