

CURRICULAM VITAE

DR. UPENDRA SHARMA

Scientist

Natural Product Chemistry and Process Development Division

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PROFESSIONAL EXPERIENCE

- **Scientist** (1st September 2014 onwards) at NPC&PDD, CSIR-IHBT, Palampur
- **Postdoctoral Fellow** (14th March 2014- 22nd August) at KAIST, South Korea, working on transition metal catalyzed remote C-H activation.
- **Young Scientist-DST Fast Track** (24th May 2013-11th March 2014) at IIT Bombay, worked on development of catalytic processes for hetrocycle synthesis through multiple C-H activation.
- **Research Assistant** (6th Nov. 2012-22nd May 2013) at IIT Bombay, worked on stereoselective nitration and trifluoromethylation of olefins.

EDUCATION

- 2007 – 2012** **PhD (Organic Chemistry)** GNDU, Amritsar, Punjab / CSIR-IHBT, Palampur
Mentor: Dr. Bikram Singh, Chief Scientist & HOD, NPC&PDD, CSIR-IHBT
(defended on 26th Oct. 2012) entitled “**Phytochemical Investigation of *Tinospora cordifolia*, *Asparagus racemosus* and Synthesis of Phthalimide Derivatives for Immunomodulatory Active Molecules**”
- 2005-2006** **Research Scholar** in Panjab University, Chandigarh
- 2003 - 2005** **M.Sc Chemistry**, DAV collage, Jalandhar, GNDU, Amritsar, 1st Class with 63 %
- 2002 - 2003** **B.Ed.**, Jammu University, Jammu, 1st Class with 67 %
- 1999 - 2002** **BSc**, University Govt. College Chowari, HPU, Shimla 1st Class 72%

GROUP BUSINESS

- **Synthetic methodology development** (C-H activation/functionalization leading to value added molecules)
- **Isolation and structure elucidation of plant secondary metabolites** from Himalayan medicinal plants using modern spectroscopic techniques including NMR (1D & 2D), LC-MS, IR and UV-vis. Development of eco-friendly processing technology at pilot scale for bioactives of industrial importance.
- **Chemical Profiling** using NMR (1D & 2D) and hyphenated chromatographic techniques such as UPLC-MS/MS and GC-MS
- **Analytical Chemistry** using UPLC, HPLC & GC for **standardization of plant extracts** through development of quantification method for marker compounds

AWARDS/HONOURS

- Manjushree Pal Memorial Award for Best Oral Presentation from Ethnopharmacology Society of India, Kolkata (2017)
- Chaired a full session in Seventh Euro-India International Conference on Holistic Medicine (ICHM-2017), Kottayam, Kerala, India on 15-17 September 2017
- Chaired poster session in 4th International Congress of the Society for Ethnopharmacology, India Healthcare in 21st century: Perspectives of Ethnopharmacology & Medicinal Plant Research, UKA Tassadia University, Bardoli, Surat, Gujrat on February 23-25, 2017
- Thieme Chemistry Journal Award (2016)
- D S Kothari Postdoc Fellowship (2012)
- Fast Track Young Scientist project for three years (2012)
- Postdoc Fellowship KAIST, South Korea (2014)
- CSIR Senior Research Fellowship (2009)
- CSIR Junior Research Fellowship (2007)
- GATE (2007)
- CSIR-NET (2006)

MEMBERS OF PROFESSIONAL SOCIETY

Life member of Analytical Society of Analytical Scientists since 2008 (LM No. 2008/38).

TRAINING

- Attended one month “CSIR Technology Led Entrepreneurship Program” at IICT, Hyderabad in 2008.
- Attended ten days “Scientist Induction Training Programme” at HRDC, Ghaziabad in 2016.

EDITORSHIP

- Editorial Board Member **Student Journal of chemistry** (Student's Publishing Services, Antalya, Turkey)
- Editorial Board Member **Pharmacolgia a Science Magazine** (pISSN: 2044-4648; eISSN: 2044-4656)

REVIEWER FOR JOURNALS

- *Organic Letters*
- *The Journal of Organic Chemistry*
- *Advance Synthesis & Catalysis*
- *Journal of Natural Products*
- *Journal of Ethnopharmacology*
- *Chemistry Select*
- *Natural Product Communications*
- *Natural Product Reports*

INSTITUTIONAL RESPONSIBILITIES

- DAC member of Ph.D students enrolled in AcSIR
- Member of Project Formulation Committee
- PI and Co-PI in Phytopharmaceutical Project components

DISSERTATIONS SUPERVISED

(a) **Ph.D:**

Awarded **1**

Current: **6**

Awarded		Pursuing	
Supervisor	Co-Supervisor (1)	Supervisor	Co-Supervisor
	1. Dr. Vinod Bhatt completed thesis entitled " Phytochemical and Synergy-Directed Biological Studies of <i>Zanthoxylum</i> Species " on 15 th Feb, 2018.	1. Ms. Ritika Sharma 2. Mr. Rakesh Kumar 3. Mr. Inder Kumar 4. Mrs. Deepali Katoch	1. Ms. Shruti Sharma 2. Ms. Niddhi

(b) **Post graduation training/thesis:**

Awarded: **6**

Current: **1**

Awarded	Pursuing
<ol style="list-style-type: none"> 1. Mr. Amit, Amity University Gurgaon, Haryana, completed one month training entitled “Phytochemical Investigation of <i>Cissampelos pareira</i>” in July, 2017. 2. Ms. Reetu Bala, SGGS College, Punjab University, Chandigarh, completed one month training entitled “Lewis Acid Catalyzed N-alkylation of 1,2,3,4-Tetrahydroisoquinolines with Acrylates” in July, 2017. 3. Mr. Sachin, Amity University Gurgaon, Haryana, completed one month training entitled “Synthesis of Quinoline N-Oxides and Quinoline Ylides” in July, 2017. 4. Mr. Saurabh Kumar, SHUATS, Allahabad, completed one month training entitled “Fractionation and Isolation of Secondary metabolites from <i>Cissampelos pareira</i>” in July, 2017. 5. Ms. Jyoti, Amity University Gurgaon, Haryana, completed two month training entitled “Extraction, Fractionation and Isolation of Secondary Metabolites from <i>Cissampelos pareira</i> Roots” in March-April, 2018. 6. Mr. Sachin, Amity University Gurgaon, Haryana, completed two month training entitled “Functionalization of Quinoline and their characterization” in March-April, 2018. 7. Ms. Vivekshu, Chandigarh University, Chandigarh, completed one month training entitled “Analytical Techniques used in Phytochemical investigations” in May-June, 2018. 	Ms. Alka

PUBLICATIONS

Publications

John Wiley	American Chemical Society	Royal Society of Chemistry	Taylor & Francis
<i>Angew Chem</i> 2	<i>Org Lett</i> 1	<i>Green Chem</i> 3	<i>Catal Rev</i> 2
<i>Chem Eur J</i> 1	<i>J Org Chem</i> 3	<i>Chem Commun</i> 2	
<i>Adv Synth & Catal</i> 4		<i>Catalysis Science & Technology</i> 1	
<i>Eur J Org Chem</i> 2		<i>Org Biomol Chem</i> 2	
<i>Asian J Org Chem</i> 4			

Total: **81** Citation: **>1330** h-index: **19** i-10 index: **30**

After Independent Research Lab: **35**

Book Chapter: **2**

Patent: **2** (filed)

Invited/Oral Presentations: **6**

Paper presented in conferences: **19**

S. No.	NAMES OF ALL THE AUTHORS	TITLE OF THE PAPER	NAME OF THE JOURNAL, VOLUME, YEAR AND PAGE
85	Ritika Sharma, and Upendra Sharma*	Remote C-H Bond Activation/Transformations: A Continuous Growing Synthetic Tool; Part II.	<i>Catalysis Reviews: Science and Engineering</i> , 2018, DOI: 10.1080/01614940.2018.1474538.
84	Inder Kumar, Ritika Sharma, Rakesh Kumar, Rakesh Kumar, and Upendra Sharma*	C70 Fullerene-Catalyzed Metal-Free Photocatalytic ipso-Hydroxylation of Aryl Boronic Acids: Synthesis of Phenols. (Also appeared in Hot Topic: Photocatalysis)	<i>Advanced Synthesis & Catalysis</i> , 2018, 360, 2013.
83	Vinod Bhatt, Neeraj Kumar Upendra Sharma and Bikram Singh*	Comprehensive metabolic profiling of <i>Zanthoxylum armatum</i> and <i>Zanthoxylum acanthopodium</i> leaves, bark, flowers and fruits using Ultra high performance liquid chromatography.	<i>Separation Science Plus</i> , 2018, 1, 311.
82	Inder Kumar, Rakesh Kumar and Upendra Sharma*	Recent Advances in Regioselective Synthesis of Indoles via C-H Activation/Functionalization.	<i>Synthesis</i> , 2018, DOI: 10.1055/s-0037-1609733.
81	Dinesh Kumar and Upendra Sharma*	High-performance thin-layer chromatography: An economical alternative for the quality control of medicinal plants and derived products. (Highlighted in Cover Page of the Journal: doi.org/10.1002/sscp.201870007)	<i>Separation Science Plus</i> , 2018, 1, 100.
80	Ritika Sharma, Rupali Jandrotia, Bikram Singh, Upendra Sharma* and Dinesh Kumar*	Comprehensive Metabolomics Study of Traditionally Important <i>Rumex</i> Species Found in Western Himalayan Region.	<i>Natural Product Communications</i> , 2018, 13, 189.
79	Ashun Chaudhary, Sonika Choudhary, Upendra Sharma , Adarsh Pal Vig, Bikram Singh and Saroj Arora*	Purple Head Broccoli (<i>Brassica oleracea</i> L. var. italica Plenck), A Functional Food Crop for Antioxidant and Anticancer Potential.	<i>Journal of Food Science and Technology</i> 2018, 55, 1806.

78	Dinesh Kumar,* Pawan Kumar and Upendra Sharma*	UPLC-DAD-MS based quality control and discrimination analysis of different aerial parts of <i>Crataegus rhipidophylla</i> Gand. found in Indian western Himalaya.	Analytical Chemistry Letters , 2018, 8, 177.
77	Manoranjan Kumar, Krishna Thakur, Sushila Sharma, Onkar S. Nayal, Neeraj Kumar, Bikram Singh* and Upendra Sharma*	Solvent-free, L-leucine catalyzed direct dehydrative esterification of carboxylic acids with alcohols: Direct synthesis of 3-alkoxy 1(3H)-isobenzofuranone.	Asian Journal of Organic Chemistry , 2018, 7, 227.
76	Ankit Kumar Dhiman, Rakesh Kumar, Rakesh Kumar* and Upendra Sharma*	Metal-free synthesis of 2-substituted-3-(2-hydroxyaryl)quinolines and 4-(2-hydroxyaryl)acridines via benzyne chemistry.	The Journal of Organic Chemistry , 2017, 82, 12307.
75	Ritika Sharma, Inder Kumar, Rakesh Kumar, Upendra Sharma*	Rhodium-Catalyzed Remote (C-8) alkylation of Quinolines with Activated and Unactivated Olefins: Mechanistic Study and Total Synthesis of EP4 Agonist.	Advanced Synthesis & Catalysis , 2017, 359, 3022.
74	Manoranjan Kumar, Vinod Bhatt, Onkar S. Nayal, Sushila Sharma, Vishal Kumar, Maheshwar S. Thakur, Neeraj Kumar, Rajaram Bal,* Bikram Singh* and Upendra Sharma*	Cul nanoparticles as a recyclable heterogeneous catalyst for C-N bond formation reactions.	Catalysis Science & Technology , 2017, 7, 2857
73	Rakesh Kumar, Rakesh Kumar, Ankit Kumar Dhiman and Upendra Sharma*	Regioselective Metal-free C(2)-H Arylation of Quinoline N-oxides with Aryldiazonium Salts/Anilines under Ambient Conditions	Asian Journal of Organic Chemistry , 2017, 6, 1043.
72	Arti Sharma, Ritika Sharma, Rohit Arora, Saroj Arora, Bikram Singh* and Upendra Sharma*	Quantitative and Qualitative Analysis of <i>Eruca sativa</i> and <i>Brassica juncea</i> Seeds by UPLC-DAD and UPLC-ESI-QTOF.	Natural Product Communications , 2017, 12, 1485.
71	Vinod Bhatt, Sushila Sharma, Neeraj Kumar, Upendra Sharma and Bikram Singh	Chemical Composition of Essential Oil among Seven Populations of <i>Zanthoxylum armatum</i> from Himachal Pradesh: Chemotypic and Seasonal Variation.	Natural Product Communications , 2017, 12, 1643.
70	Manoranjan Kumar,	Montmorillonite K10 catalyzed	Asian Journal of

	Sushila Sharma, Krishna Thakur, Onkar S. Nayal, Vinod Bhatt, [†] Maheshwar S. Thakur, Neeraj Kumar, Bikram Singh*, and Upendra Sharma*	microwave assisted direct amidation of unactivated carboxylic acids with amines: Applicable for maintaining chiral integrity of substrates.	Organic Chemistry , 2017, 6, 342.
69	Shruti Sharma, Vinod Bhatt, Neeraj Kumar, Bikram Singh* and Upendra Sharma*	Locational Comparison of Essential Oils from Selected Conifers of Himachal Pradesh.	Natural Product Research , 2017, 31, 1578.
68	Vinod Bhatta, Sushila Sharma, Neeraj Kumar, Upendra Sharma , Bikram Singh*	Simultaneous quantification and identification of flavonoids, lignans, coumarin and amides in leaves of <i>Zanthoxylum armatum</i> using UPLC-DAD-ESI-QTOF-MS/MS.	Journal of Pharmaceutical and Biomedical Analysis , 2017, 132, 46.
67	Madhu Chandel, Manish Kumar, Upendra Sharma , Bikram Singh, Satwinderjeet Kaur	Investigations on antioxidant, antiproliferative and COX-2 inhibitory potential of alkaloids from <i>Anthocephalus cadamba</i> (Roxb.) Miq. Leaves.	Chemistry & Biodiversity , 2017, 14, e1600376.
66	Rajeev Rattan,* Bharat Inder Fozdar, Veena Gautam, Ritika Sharma, Dinesh Kumar* and Upendra Sharma,*	Cuspidate A, New Anti-Fungal Triterpenoid Saponin from <i>Lepidagathis cuspidate</i> .	Natural product Research , 2017, 31, 773.
65	Madhu Chandel, Manish Kumara, Upendra Sharma , Bikram Singh and Satwinderjeet Kaur*	Antioxidant, Antigenotoxic and Cytotoxic Activity of <i>Anthocephalus cadamba</i> (Roxb.) Miq. Bark Fractions and their Phytochemical Analysis Using UPLC-ESI-QTOF-MS.	Combinatorial Chemistry & High Throughput Screening , 2017, 20, 760.
64	Sushila Sharma, Manoranjan Kumar, Vinod Bhatt, Onkar S. Nayal, Maheshwar S. Thakur, Neeraj Kumar, Bikram Singh,* and Upendra Sharma*	Vasicine from <i>Adhatoda vasica</i> as an organocatalyst for metal-free Henry reaction and reductive heterocyclization of <i>o</i> -nitroacylbenzenes.	Tetrahedron Letter , 2016, 45, 5003.
63	Sushila Sharma, Manoranjan Kumar, Onkar S. Nayal, Maheshwar S. Thakur, Vinod Bhatt, Neeraj Kumar, Bikram Singh* and Upendra	Designing of Vasicine Derived Ligands and Their Application for Ruthenium Catalyzed Transfer Hydrogenation Reactions in Water: Synthesis of Amines and Alcohols	Asian Journal of Organic Chemistry , 2016, 5, 1471-1479.

	Sharma*		
62	Sushila Sharma, Manoranjan Kumar, Shruti Sharma, Onkar S. Nayal, Neeraj Kumar, Bikram Singh* and Upendra Sharma*	Microwave Assisted Vasicine Catalyzed Synthesis of Phenanthridinones via Intramolecular C-H Arylation with Aryl Halides. <i>(Highlighted in Synfacts 2016, 12(12): 1244)</i>	Organic & Biomolecular Chemistry , 2016, 14, 8536.
61	Onkar S. Nayal, Maheshwar S. Thakur, Vinod Bhatt, Manoranjan Kumar, Neeraj Kumar, Bikram Singh* and Upendra Sharma*	Synthesis of tertiary arylamines: Lewis acid-catalyzed direct reductive <i>N</i> -alkylation of secondary amines with ketones through an alternative pathway.	Chemical Communications , 2016, 52, 9648.
60	Rakesh Kumar, Inder Kumar, Ritika Sharma, Upendra Sharma*	Catalyst and Solvent-Free alkylation of Quinoline <i>N</i> -oxides with Olefins: Direct Access to Quinoline Substituted α -Hydroxy Carboxylic Derivatives.	Organic & Biomolecular Chemistry , 2016, 14, 2613.
59	Dinesh Kumar,* Ashu Gulati, Upendra Sharma*	Determination of Theanine and Catechin in Camellia sinensis (Kangra Tea) Leaves by HPTLC and NMR Techniques.	Food Analytical Methods , 2016, 9, 1666.
58	Madhu Chandel, Manish Kumar, Upendra Sharma, Neeraj Kumar, Bikram Singh, Satwinderjeet Kaur	Isolation and characterization of flavanols from <i>Anthocephalus cadamba</i> and evaluation of their antioxidant, antigenotoxic, cytotoxic and COX-2 inhibitory activities.	Brazilian Journal of Pharmacognosy , 2016, 26, 474.
57	Ashun Chaudhary, Sonika Choudhary, Upendra Sharma and Saroj Arora	In vitro evaluation of antioxidant, antiproliferative and apoptotic induction on prostate cancer cell line by non-polar constituents in brassica sprouts extracts.	Indian J. Pharmaceutical Sciences , 2016, 78, 615.
56	Rajeev Rattan, Amita Kumari, Veena Gautam, Bharat Inder Fozdar, Upendra Sharma* and Dinesh Kumar*	Preliminary Phytochemical Screening, Antioxidant and Antifungal Activity of <i>Lepidagathis cuspidate</i> .	International Journal of Drug Development and Research 2016, 8, 001-003.
55	Ritika Sharma, Rakesh Kumar, Inder Kumar, Upendra Sharma*	Rh(III)-Catalyzed Dehydrogenative Coupling of Quinoline <i>N</i> -Oxides with Alkenes: <i>N</i> -Oxide as Traceless Directing Group for Remote C-H Activation.	European Journal of Organic Chemistry 2015, 7519.
54	Ritika Sharma, Rakesh Kumar, Inder Kumar,	Selective C-Si Bond Formation through C-H Functionalization.	Synthesis , 2015, 47, 2347.

	Bikram Singh, Upendra Sharma*		
53	Ritika Sharma, Kavita Thakur, Rakesh Kumar, Inder Kumar, Upendra Sharma*	Distant C-H Activation/Functionalization: A New Horizon of Selectivity beyond Proximity.	Catalysis Reviews: Science and Engineering , 2015, 57(3), 345.
52	Ritika Sharma, Kavita Thakur, Upendra Sharma*	Olefins as Unprecedented Feedstock for the Synthesis of Valuable Heterocycles: Regioselectivity Remains an Issue.	Synlett , 2015, 26, 137.
51	Rajeev Rattan*, S. G. Eswara Reddy, Shudh Kirti Dolma, Bharat Inder Fozdar, Veena Gautam, Ritika Sharma, Upendra Sharma*	Triterpenoid Saponins from <i>Clematis graveolens</i> and Evaluation of their Insecticidal Activities.	Natural Product Communications , 2015, 10, 1525-1528.
50	Soumitra Agasti, Upendra Sharma , Togati Naveen, Debabrata Maiti	Orthogonal Selectivity with Cinnamic Acids in 3-substituted Benzofuran Synthesis through C–H Olefination of Phenols.	Chemical Communication , 2015, 51, 5375.
49	Upendra Sharma , Rajesh Kancherla Togati Naveen, Soumitra Agasti, Debabrata Maiti	Palladium-Catalyzed Annulation of Diarylamines with Olefins through C–H Activation: Direct Access to N-Arylindoles. <i>(Highlighted in Synfacts 2015, DOI: 10.1055/s-0034-1379706)</i>	Angewandte Chemie International Edition , 2014, 53, 11895. Angewandte Chemie , 2014, 126, 12089.
48	Upendra Sharma , Yoonsu Park, Sukbok Chang	Rh(III)-Catalyzed Traceless Coupling of Quinoline N-Oxides with Internal Diarylalkynes.	The Journal of Organic Chemistry , 2014, 79, 9899-9906.
47	Mayanka Walia, Upendra Sharma , Vijai K. Agnihotri, Bikram Singh	Silica-Supported Boric Acid Assisted Conversion of Mono- and Polysaccharides to 5-Hydroxymethylfurfural in Ionic Liquid.	RSC Advance , 2014, 4, 14414.
46	Soham Maiti, Togati Naveen, Upendra Sharma , Debabrata Maiti	Efficient and Stereoselective Nitration of Olefins with AgNO ₂ and TEMPO. <i>(Invited Synfact article)</i>	Synlett , 2014, 25, 603.
45	Praveen K. Verma, Manju Bala, Kavita Thakur, Upendra Sharma , Neeraj Kumar and Bikram Singh	Iron and Palladium (II) Phthalocyanines as Recyclable Catalysts for Reduction of Nitroarenes.	Catalysis Letter , 2014, 144, 1258.
44	Ashun Chaudhary,	Free radical scavenging,	Food Chemistry ,

	Upendra Sharma , Adrah. Pal Vig, Bikram Singh, Saroj Arora	antiproliferative activities and profiling of variations in the level of phytochemicals in different parts of broccoli (<i>Brassica oleracea italica</i>).	2014, 148, 373.
43	Vishal Kumar, Upendra Sharma , Praveen Kumar, Neeraj Kumar, Bikram Singh	Silica-supported Boric Acid Catalyzed Synthesis of Dihydropyrimidin-2-ones, Bis(indolyl)methanes, Esters and Amides.	<i>Indian Journal of Chemistry Section – B</i> , 2014, 53B, 83.
42	Upendra Sharma , Togati Naveen, Arun Maji, Srimanta Manna, Debabrata Maiti	Palladium Catalyzed Synthesis of Benzofurans and Coumarins from Phenols and Olefins. <i>(Most Accessed Paper in October, 2013)</i>	<i>Angewandte Chemie International Edition</i> . 2013, 52, 12669. <i>Angewandte Chemie</i> 2013, 125, 12901.
41	Soham Maiti, Togati Naveen, Upendra Sharma , Debabrata Maiti	Stereoselective Nitration of Olefins with tBuONO and TEMPO: Direct Access to Nitroolefins under Metal-free Condition. <i>(Highlighted by Organic Chemistry Portal 2013 (http://www.organicchemistry.org/abstracts/lit4/087.shtm))</i>	<i>Organic Letter</i> , 2013, 15, 3384.
40	Togati Naveen, Soham Maiti, Upendra Sharma , Debabrata Maiti	A Predictably Selective Nitration of Olefin with Fe(NO ₃) ₃ and TEMPO. <i>(Highlighted in Organic Process Research & Development 2013, 17, 1076–1084; Organic Chemistry Portal 2013 (http://www.organicchemistry.org/abstracts/lit4/062.shtm))</i>	<i>The Journal of Organic Chemistry</i> , 2013, 78, 5949.
39	Tuhin Patra, Arghau. Deb, Srimanta Manna, Upendra Sharma , Debabrata Maiti	Iron-Mediated Decarboxylative Trifluoromethylation of α,β -Unsaturated Carboxylic Acids with Trifluoromethanesulfinate. <i>(Highlighted in Organic Process Research & Development 2013, 17, 1369-1379)</i>	<i>European Journal of Organic Chemistry</i> , 2013, 24, 5257.
38	Manju Bala, Praveen Kumar Verma, Upendra Sharma , Neeraj Kumar, Bikram Singh	Iron Phthalocyanine as an Efficient and Versatile Catalyst for N-alkylation of Heterocyclic Amines with Alcohols: One-pot Synthesis of 2-Substituted Benzimidazoles, Benzothiazoles and Benzoxazoles.	<i>Green Chemistry</i> 2013, 15, 1687.
37	Shunmugam. Nagarajan,	Synthesis and anti-angiogenic	<i>Bioorganic</i>

	Syamantak. Majumder, Upendra Sharma , Saranya Rajendran, Neeraj Kumar, Suvro Chatterjee, Bikram Singh	activity of benzothiazole, benzimidazole containing phthalimide derivatives.	<i>Medicinal Chemistry Letters</i> , 2013, 13, 287.
36	Praveen K. Verma, Upendra Sharma , Manju Bala, Neeraj Kumar, Bikram Singh	Transition Metal-free 1,3-Dimethylimidazolium Hydrogen Carbonate Catalyzed Hydration of Organonitriles to Amides.	<i>RSC Advance</i> , 2013, 3, 895.
35	Manoj Kumar, Upendra Sharma , Sushila Sharma, Vishal Kumar, Bikram Singh, Neeraj Kumar	Catalyst-Free Water Mediated Reduction of Nitroarenes Using Glucose as Hydrogen Source.	<i>RSC Advance</i> , 2013, 3, 4894.
34	Manju Bala, Praveen Kumar Verma, Neeraj Kumar, Upendra Sharma , Bikram Singh.	Highly Efficient Iron Phthalocyanine Catalysed Oxidative Synthesis of Imines from Alcohols and Amines. <i>(Most downloaded articles of the from May to November, 2013)</i>	<i>Canadian Journal of Chemistry</i> , 2013, 91, 732.
33	Praveen K. Verma, Neeraj Kumar, Upendra Sharma , Manju Bala, Vishal Kumar, Bikram Singh	Transition Metal-Free Sodium Borohydride Promoted Controlled Hydration Of Nitriles To Amides.	<i>Synthetic Communication</i> , 2013, 43, 2867.
32	Upendra Sharma , Neeraj Kumar, Bikram Singh, Renuka K. Munshi and Supriya. Bhalerao	Immunomodulatory Active Steroidal Saponins from <i>Asparagus racemosus</i> .	<i>Medicinal Chemistry Research</i> , 2013, 22, 573.
31	Deepali Katoch, Dharmesh Kumar, Upendra Sharma , Neeraj Kumar, Yogendra S. Padwad, Brij Lal, Bikram Singh	Zephgrabetaine: A New Betaine-type Amaryllidaceae Alkaloid from <i>Zephyranthes grandiflora</i> .	<i>Natural Product Communications</i> , 2013, 8, 161-164.
30	Manyaka Walia, Upendra Sharma , Sashi Bhushan, Neeraj Kumar, Bikram Singh	Arabinan-type Polysaccharides from Industrial Waste Apple Pomace.	<i>Chemistry of Natural compounds</i> , 2013, 49, 794.
29	Upendra Sharma , Deepali. Katoch, Swati. Sood, Neeraj Kumar, Bikram Singh, Archana Thakur, Arvind Gulati	Synthesis, Antibacterial and Antifungal activity of 2-Amino-1,4-Naphthoquinones Using Silica-Supported Perchloric Acid (HClO ₄ -SiO ₂) as a Mild, Recyclable and Highly Efficient Heterogeneous Catalyst.	<i>Indian Journal of Chemistry Section – B</i> , 2013, 52B, 1431.
28	Chitra Singh, Vishal Kumar, Upendra Sharma , Neeraj Kumar, Bikram Singh	Recent Advances in the Synthesis of Amide.	<i>Current Organic Synthesis</i> , 2013, 10, 241.
27	Upendra Sharma , Neeraj Kumar, Praveen K. Verma,	Zinc Phthalocyanine with PEG-400 as A Recyclable Catalytic System	<i>Green Chemistry</i> 2012, 14, 2289.

	Vishal Kumar, Bikram Singh	for Selective Reduction of Aromatic Nitro Compounds.	
26	Upendra Sharma , Manju Bala, Neeraj Kumar, Bikram Singh, Renuka K. Munshi, Supriya Bhalerao	Immunomodulatory Active Compounds from <i>Tinospora cordifolia</i> .	Journal of Ethnopharmacology , 2012, 141, 918.
25	Upendra Sharma , Manju Bala, Rikki Saini, Praveen K. Verma, Neeraj Kumar, Bikram Singh, Renuka K. Munshi, Supriya Bhalerao	Polysaccharide Enriched Immunomodulatory Fractions from <i>Tinospora cordifolia</i> .	Indian Journal of Experimental Biology , 2012, 50, 612.
24	Upendra Sharma , Neeraj Kumar, Bikram Singh.	New Furostanol Saponin and Phenyl Propanoid from Roots of <i>Asparagus racemosus</i> .	Natural Product Communications 2012, 7, 995-998.
23	Vishal Kumar, Sushila Sharma, Upendra Sharma , Bikram Singh, Neeraj Kumar	Synthesis of Substituted Amines and Isoindolinones: Catalytic Reductive Amination using Abundantly Available AlCl ₃ /PMHS.	Green Chemistry 2012, 14, 3410.
22	Vishal Kumar, Upendra Sharma , Praveen K. Verma, Neeraj Kumar, Bikram Singh	Cobalt(II) Phthalocyanine Catalyzed Highly Chemoselective Reductive Amination of Carbonyl Compounds in a Green Solvent.	Advanced Synthesis & Catalysis , 2012, 354, 870.
21	Ashun Chaudhary, Geetanjli Rampal, Upendra Sharma , Tarunpreet Singh Thind, Bikram Singh, A. P. Vig, Saroj Arora	Anticancer, antioxidant activities and GC-MS analysis of glucosinolates in two cultivars of broccoli.	Medicinal Chemistry & Drug Discovery 2012, 2, 30.
20	Madhu Chandel, Upendra Sharma , Neeraj Kumar, Bikram Singh, Satwinderjeet Kaur	Antioxidant Activity and Identification of Bioactive Compounds from Leaves of <i>Anthocephalus cadamba</i> by Ultra-Performance Liquid Chromatography/Electrospray Ionization Quadrupole Time of Flight Mass Spectrometry.	Asian Pacific Journal of Tropical Medicine , 2012, 977.
19	Vishal Kumar, Upendra Sharma , Bikram Singh, Neeraj Kumar	Direct One-Pot Cobalt(II) Phthalocyanine Catalyzed Synthesis of <i>N</i> -Substituted Isoindolinones.	Australian Journal of Chemistry , 2012, 65, 1594.
18	Praveen Kumar Verma, Upendra Sharma , Neeraj Kumar, Manju Bala, Vishal Kumar, Bikram Singh	Nickel Phthalocyanine Assisted Highly Efficient and Selective Carbonyl Reduction in Polyethylene Glycol-400.	Catalysis Letter , 2012, 142, 907.
17	Neeraj Kumar, Upendra Sharma , Chitra Singh, Bikram Singh	Thalidomide: Chemistry, Therapeutic Potential and Oxidative Stress Induced Teratogenicity.	Current Topics in Medicinal Chemistry , 2012, 12, 1436.
16	Upendra Sharma , Praveen	Phosphane-Free Green Protocol for	Chemistry: A

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2017

1. **“Quinoline Functionalization through Remote C-H Activation Using Traceless Directing Group”** in Contemporary Facets in Organic Chemistry Synthesis (CFOS) 2017, IIT Roorkee, Uttarakhand, 22-24 December, 2017.
2. **“Medicinal Plant Processing: Novel Bioactive Molecules”** in Scenario of Medicinal Plants in Himalayan Region-Cultivation, Processing and Marketing, CSIR-IHBT, Palampur, India. Organised by State Medicinal Plants Board, Himachal Pradesh, Ayurveda Bhawan, SDA Complex, Kasumpti, Shimla on 10-11 October, 2017.

3. **"Traditional Knowledge: A Perfect Guide for the Discovery of Novel Bioactive Molecules"** in Seventh Euro-India International Conference on Holistic Medicine (ICHM-2017), Kottayam, Kerala, India on 15-17 September 2017.
4. **"Future Affordable Medicines: Efforts Towards Novel Bioactive Molecules"** in Multidisciplinary National Conference on Innovative Trends in Science, Technology and Management-IV on 24th August, 2017 Organised by Sri Sai University, Palampur, Himachal Pradesh.
5. **"Efforts Towards Characterization of Bioactive Molecules from Medicinal Plants"** 4th International Congress of the Society for Ethnopharmacology, India Healthcare in 21st century: Perspectives of Ethnopharmacology & Medicinal Plant Research, UKA Tassadia University, Bardoli, Surat, Gujrat on February 23-25, 2017.
([*Manjushree Pal Memorial Award for Best Presentation from Ethanopharmacology Society of India, Kolkata*](#))

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6. **"Phytochemical Investigation of *Tinospora cordifolia* and *Asparagus racemosus* for Potential Immunomodulatory Agents"** in Scientific Validation of Traditional knowledge, IIT Rorkee, Uttarakhand on March 12-13, 2016 Organized by MHRD-IPR Chair IIT Roorkee, Uttarakhand

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1. A. K. Dhiman, S. Chaudhary, R. Kumare, R. Kumar and **U. Sharma.*** Synthesis of 2-substituted-3-(2-hydroxyaryl)quinolines and 4-(2-hydroxyaryl)acridines. in Contemporary Facets in Organic Chemistry Synthesis (CFOS) 2017, IIT Roorkee, Uttarakhand, 22-24 December, 2017.
2. R. Sharma, R. Kumar, I. Kumar and **U. Sharma.*** [Cp*RhCl₂]₂ Catalyzed Remote Functionalization of Quinolines and their Mechanistic Understanding. **Indo-US Bilateral Workshop** Organised by IISc Bangalore, IISER Kolkata and IIT Mumbai at Rhythm Lonavala, Lonavala, Maharashtra, India during December 7-10, 2017.
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4. R. Sharma, I. Kumar, R. Kumar and **U. Sharma*** Rhodium (III)-Catalyzed Remote C-H Activation/functionalization of Quinolines. **21st CRSI National Symposium in Chemistry** organised by CSIR-IICT, Tarnaka Hyderabad-500007 on 2017.
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