


Prof. Inder Pal Singh

Education

	1994-1998	Ph.D. Natural Products Chemistry, Shizuoka University, Japan Advisor - Prof. Hideo Etoh, Thesis Title - Phloroglucinol compounds in <i>Eucalyptus</i> species as attachment-inhibitors against the blue mussel, <i>Mytilus edulis galloprovincialis</i>
	1989-1992	Ph.D. Organic Chemistry, Punjab Agricultural University, Ludhiana, India Advisor - Prof. P. S. Kalsi, Thesis Title - Chemistry and Biological Activity of Sesquiterpene Lactones from <i>Saussurea lappa</i>
	1986-1988	M.Sc. Organic Chemistry, Punjabi University, Patiala, India
	1984-1986	B.Sc. Punjabi University, Patiala, India

Academic Fellowships

Aug 2000 – March 2002	JSPS Post Doc Fellowship, Institute of Chemical Research, Kyoto University, Japan
June 1998- May 2000	Post Doctoral Fellow, Prof. W. H. Gerwick, College of Pharmacy, Oregon State University, Corvallis, OR 97331, USA
1994-1998	Monbusho Fellowship, Ministry of Education, Japan
1992-1994	Senior Research Fellowship, CSIR, New Delhi, India
1989-1992	Merit Fellowship, Punjab Agricultural University, Ludhiana, India
1981-1982	Merit Scholarship, Govt. of India

Employment

Organization	Position Held	Tenure
NIPER	Assistant Professor	01.07.2002 - 30.06.2007
NIPER	Associate Professor	01.07.2007 - 30.06.2012
NIPER	Professor	01.07.2012 - present
NIPER	Associate Dean (Student Affairs)	01.04.2013 - 31.03.2014

Recognitions

- Honorary Visiting Professorship of Shizuoka University (April 2018)
- Editorial Board Member of Medicinal Chemistry, Bentham Science
- Awarded three-year membership by American Chemical Society (2014-2017)
- Outstanding Contribution as reviewer of Bioorganic and Medicinal Chemistry Letters
- Biography profiled in Marquis' WHO's WHO Asia – 2007
- Biography profiled in Marquis' WHO's WHO in the World – 2011, 2012
- Referee for Journal of Natural Products, Bioorganic and Medicinal Chemistry, Bioorganic and Medicinal Chemistry Letters, European Journal of Medicinal Chemistry, Natural Product Communications, Medicinal Chemistry, Current Medicinal Chemistry, Tetrahedron Letters, Biochemical Systematics and Ecology, Experimental Parasitology, Chemical Reviews, Medicinal Chemistry Research, Journal of Chemical Sciences, MedChemComm, Expert Opinion on Therapeutic Patents, Bioorganic Chemistry, ChemistrySelect etc.
- Member of various National and International Expert Committees
- Member of various selection committees in Universities/Research Institutes

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Academic & Research Activities

- Research Projects Granted: 14 (including four international projects)
- Books (Co-authored):
 - Stereochemistry. Narosa Publishers, New Delhi
 - Analytical Profiles of Selected Medicinal Plants. Studium Press (India) Pvt. Ltd.
- Research Papers: >106; Review Articles: 14; Book Chapters: 10
- One educational CD on HPLC training
- Invited lectures: >50
- Ph.D. students guided: 11 (completed); 2 (thesis submitted), 3 (continuing),
- PDF/Research fellows guided: RA – 1; JRF - 2
- M.S. (Pharm.) students guided – 70 completed
- PhD Thesis evaluated: > 15; M.Sc./M. Pharm. Thesis evaluated: > 20
- Extramural research projects evaluated: International > 15; National > 50
- Patents: 1 (granted) 2 (filed)

Academic Contributions – Teaching

- Involved in teaching postgraduate and doctoral students in various chromatographic techniques and spectroscopic techniques. Course coordinator for the following courses.
 - Separation Techniques (NP 510) for M.S. (Pharm.)
 - Advanced Separation Techniques for research (NP 710) for Ph.D.
 - Structure Elucidation (NP 640) for M.S. (Pharm.)
 - Advanced Structure Elucidation Techniques for Natural Products (NP 810) for Ph.D.
 - Chemical Standardization of Herbal Drugs (TM-610) for M.S. (Pharm.)

Research collaborations (Past and Present)

- National Centre for Cell Science (NCCS), Pune
- National AIDS Research Institute (NARI), Pune
- Agnes Brown Duggan Chair of Oncological Research, University of Louisville, Louisville, USA
- Research School of Biology, The Australian National University, Canberra, Australia
- Molecular Immunology Laboratory, Department of Immunopathology, Postgraduate Institute of Medical Education and Research (PGIMER) Chandigarh, India
- Department of Biotechnology, Panjab University, Chandigarh
- University of Mississippi, USA

Conferences/seminars Co-organized

- 6th Biennial Conference on Drug Discovery in Natural Products and Traditional Medicines (DDNPTM), November 2018, NIPER, S.A.S. Nagar, India
- NIPER-Shizuoka University Meet: prospects for Collaborations, 27th October 2017, NIPER, S.A.S. Nagar, India
- 5th Biennial Conference on Drug Discovery in Natural Products and Traditional Medicines (DDNPTM), November 2016, NIPER, S.A.S. Nagar, India
- 4th Biennial Conference on Drug Discovery in Natural Products and Traditional Medicines (DDNPTM), November 2014, NIPER, S.A.S. Nagar, India
- 3rd Biennial Conference on Drug Discovery in Natural Products and Traditional Medicines (DDNPTM), November 2012, NIPER, S.A.S. Nagar, India
- 2nd Biennial Conference on Drug Discovery in Natural Products and Traditional Medicines (DDNPTM), November 2010, NIPER, S.A.S. Nagar, India

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- 1st International Conference on Drug Discovery in Natural Products and Traditional Medicines (DDNPTM), November 2008, NIPER, S.A.S. Nagar, India
- Educational Programme for Drug regulatory, Industry representatives / labs from Nigeria'
- National workshop on cultivation practices of some important medicinal plants August 8 - 9, 2003, organized at NIPER.
- National workshop on curriculum development in natural products at post graduate level, November 23 – 25, 2003.

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PUBLICATIONS

BOOKS:

1. Dhillon RS, **Singh IP**, Baskar C. 2014, STEREOCHEMISTRY, Narosa Publications, New Delhi.
2. Bhutani KK, **Singh IP**, Jachak SM. (Editor-in-Chief, Bhutani KK), 2016, Analytical profiles of selected medicinal plants, Studium Press, New Delhi.

Patent Granted

1. Singh IP, Bhutani KK, Mitra D, Chauthe SK, Bharate S, Sabde S. Novel dimeric phloroglucinol compounds as anti-HIV and microbicidal agents. Patent No. 289013 (application number – 1055/DEL/2009)

Patent Applications Filed

1. Bhutani KK, Mitra D, Singh IP, Nafees, Sabde S. Novel alkylated derivatives of quinoline 2,4-diol with anti-HIV activity. Patent application number – 1557/DEL/2009
2. Singh IP, Bhutani KK, Mitra D, Bodiwala HS, Sabde S. Novel caffeoyl-anilides as Portmanteau inhibitors of HIV. Patent application number – 2852/DEL/2010

Research Papers

Sr. No.	Authors	Title	Impact Factor
1	Talwar KK, Singh IP , Kalsi PS	A sesquiterpenoid with plant growth regulatory activity from <i>Saussurea lappa</i> . <i>Phytochemistry</i> , 1992 , 31, 336-338.	1.133
2	Singh IP , Talwar KK, Arora JK, Chhabra BR, Kalsi PS	A biologically active guaianolide from <i>Saussurea lappa</i> . <i>Phytochemistry</i> , 1992 , 31, 2529-2531.	1.133
3	Singh IP , Kalsi PS	A novel transesterification with diazomethane. <i>Indian Journal of Chemistry</i> , 1992 , 31B, 723-724.	0.275
4	Singh IP , Goyal R, Anu, Kalsi PS	Reduction of terpenoid lactones with Na/MeOH. <i>Indian Journal of Chemistry</i> , 1993 , 32B, 1234-1236.	0.275
5	Sharma JR, Singh IP , Kaur G, Singh Anu, Kalsi PS	Terpenoids from costus root oil as potential antifungal agents. <i>Pesticide Research Journal</i> , 1993 , 5, 151-154.	--
6	Kalsi PS, Mittal V, Singh IP , Chhabra BR	Pseudoguaianolides from <i>Parthenium hysterophorus</i> . <i>Fitoterapia</i> , 1995 , LXVI, 94.	--
7	Kalsi PS, Sharma A, Singh A, Singh IP , Chhabra BR	Biogenetically important sesquiterpenes from <i>Cyperus rotundus</i> . <i>Fitoterapia</i> , 1995 , LXVI, 191.	--
8	Singh IP , Etoh H	New macrocarpal-am-1 from <i>Eucalyptus amplifolia</i> . <i>Bioscience Biotechnology Biochemistry</i> , 1995 , 59, 2330-2332.	0.889
9	Singh IP , Takahashi K, Etoh H	Potent attachment-inhibiting and -promoting substances for the blue mussel, <i>Mytilus edulis galloprovincialis</i> , from two species of <i>Eucalyptus</i> . <i>Bioscience Biotechnology Biochemistry</i> , 1996 , 60, 1522-1523.	0.913
10	Singh IP , Hayakawa R, Etoh H, Takasaki M, Konoshima T	Grandinal, a new phloroglucinol dimer from <i>Eucalyptus grandis</i> . <i>Bioscience Biotechnology Biochemistry</i> , 1997 , 61, 921-923.	0.919
11	Singh IP , Etoh H, Asai E, Kikuchi, K, Ina K, Koyasu K, Terada Y	Flavonoids and stilbenes as repellents against the blue mussel, <i>Mytilus edulis galloprovincialis</i> . <i>Natural Product Sciences</i> , 1997 , 3, 49-54.	--
12	Singh IP , Umehara K, Etoh H, Takasaki M, Konoshima T	Euglobals-G6 and -G7, two new phloroglucinol-monoterpene adducts from <i>Eucalyptus grandis</i> . <i>Phytochemistry</i> , 1998 , 47, 1157-1159.	1.179
13	Umehara K, Singh IP , Etoh H, Takasaki M, Konoshima T	Five phloroglucinol-monoterpene adducts, from <i>Eucalyptus grandis</i> . <i>Phytochemistry</i> , 1998 , 49, 1699-1704.	1.179
14	Terada Y, Saito J, Kawai T, Singh IP , Etoh H	Structure-activity relationship of phloroglucinol compounds from <i>Eucalyptus</i> as marine antifoulants. <i>Bioscience Biotechnology Biochemistry</i> , 1999 , 63, 276-280.	0.973
15	Singh IP , Milligan KE, Gerwick WH	Tanikolide, a toxic and antifungal lactone from the marine cyanobacterium <i>Lyngbya majuscula</i> . <i>Journal of Natural Products</i> , 1999 , 62, 1333-1335.	1.652
16	Singh IP , Umehara K, Etoh H	Macrocarpals in <i>Eucalyptus</i> spp. As Attachment-inhibitors against the blue mussel. <i>Natural Product Letters</i> , 2000 , 14, 11-15.	0.732

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17	Takasaki M, Konoshima T, Etoh H, Singh IP , Tokuda H, Nishino H	Cancer chemopreventive activity of euglobal-G1 from leaves of <i>Eucalyptus grandis</i> . <i>Cancer Letters</i> , 2000 , 155, 61-65.	1.741
18	Ban T, Singh IP , Etoh H	Polygodial, a potent attachment-inhibiting substance for the blue mussel, <i>Mytilus edulis galloprovincialis</i> from <i>Tasmannia lanceolata</i> . <i>Bioscience Biotechnology Biochemistry</i> . 2000 , 64, 2669-2701.	0.968
19	Matsumoto T, Singh IP , Etoh H, Tanaka H	The first total synthesis of grandinal, a new phloroglucinol derivative isolated from <i>Eucalyptus grandis</i> . <i>Chemistry Letters</i> , 2001 , 210-211.	1.557
20	Etoh H, Kondoh T, Noda R, Singh IP , Sekiwa Y, Morimitsu K, Kubota K	Shogaols from <i>Zingiber officinale</i> as promising anti-fouling agents, <i>Bioscience Biotechnology Biochemistry</i> , 2002 , 66, 1748-1750.	0.968
21	Williamson RT, Singh IP , Gerwick WH	Taveuniamides: new chlorinated toxins from a mixed assemblage of marine cyanobacteria. <i>Tetrahedron</i> , 2004 , 60, 7025-7033.	2.276
22	Singh DD, Chitra G, Singh IP , Bhutani KK.	Immunostimulatory compounds from <i>Vitex negundo</i> . <i>Indian Journal of Chemistry</i> , 2005 , 44B, 1288-1290.	0.446
23	Bharate SB, Chauthe SK, Bhutani KK, Singh IP*	An efficient two step synthesis of Jensenone isolated from <i>Eucalyptus jensenii</i> . Synthesis of analogues and evaluation as antioxidants. <i>Australian Journal of Chemistry</i> , 2005 , 58, 551-555.	1.456
24	Bharate SB, Bhutani KK, Khan SI, Tekwani BL, Jacob MR, Khan IA, Singh IP*	Biomimetic synthesis, antimicrobial, antileishmanial and antimalarial activities of euglobals and their analogues. <i>Bioorganic & Medicinal Chemistry</i> , 2006 , 14, 1750-1760.	2.662
25	Bharate SB, Singh IP*	A two-step biomimetic synthesis of antimalarial robustadials A and B. <i>Tetrahedron Letters</i> , 2006 , 47, 7021 – 7024.	2.615
26	Bharate SB, Khan SI, Yunus NAM, Chauthe SK, Jacob MR, Tekwani BL, Khan IA, Singh IP*	Antiprotozoal and antimicrobial activities of O-alkylated and formylated acylphloroglucinols. <i>Bioorganic & Medicinal Chemistry</i> , 2007 , 16, 87-96.	2.662
27	Singh IP , Bharate SB, Singh A, Bhutani KK	Fate of embelin in Pippalyadi Yoga, an oral Ayurvedic contraceptive: Structure of Embelin-borax complex and evaluation of anti-fertility activity. <i>Indian Journal of Chemistry</i> , 2007 , 46B, 320-325.	0.368
28	Bodiwala HS, Singh G, Singh R, Dey CS, Sharma SS, Bhutani KK, Singh IP*	Antileishmanial amides and lignans from <i>Piper cubeba</i> and <i>Piper retrofractum</i> . <i>Journal of Natural Medicines</i> , 2007 , 61, 418-421.	0.424
29	Bharate SB, Khan SI, Tekwani BL, Jacob MR, Khan IA, Singh IP*	S-Euglobals: biomimetic synthesis, antileishmanial, antimalarial and antimicrobial activities. <i>Bioorganic & Medicinal Chemistry</i> , 2008 , 1328-1336.	2.822
30	Bhrahmbhatt KG, Ahmed N, Singh IP , Bhutani KK	Aromatization and chemoselective alkylation of 1-methyl-3,4-dihydro- β -carboline-3-carboxylic acid and its derivatives. <i>Tetrahedron Letters</i> , 2009 , 50, 5501-5504.	2.538
31	Lal UR, Tripathi SM, Jachak SM, Bhutani KK, Singh IP*	HPLC analysis and standardization of Arjunarishta – An Ayurvedic cardioprotective formulation. <i>Scientia Pharmaceutica</i> , 2009 , 77, 605-616.	--
32	Bodiwala HS, Sabde S, Mitra D*, Bhutani KK*, Singh IP*	Anti-HIV diterpenes from <i>Coleus forskhlii</i> . <i>Natural Product Communications</i> , 2009 , 4, 1173-1175.	0.746
33	Kaur A, Singh R, Dey CS, Sharma SS, Bhutani KK, Singh IP*	Antileishmanial phenylpropanoids from <i>Alpinia galanga</i> (Linn.) Willd. <i>Indian Journal of Experimental Biology</i> , 2010 , 48, 314-317.	0.599
34	Chauthe SK, Bharate, SB, Sabde S, Mitra D*, Bhutani KK, Singh IP*	Biomimetic Synthesis and Anti-HIV Activity of Dimeric Phloroglucinols. <i>Bioorganic & Medicinal Chemistry</i> , 2010 , 18, 2029-2036.	2.822
35	Lal UR, Tripathi SM, Jachak SM, Bhutani KK, Singh IP*	Chemical changes during fermentation of <i>Abhayarishta</i> and its standardization by HPLC-DAD. <i>Natural Product Communications</i> , 2010 , 5, 575-579.	0.894
36	Nafees A, Brahmbhatt KG, Sabde S, Mitra D, Singh IP , Bhutani KK	Synthesis and anti-HIV activity of alkylated quinoline 2,4-diols. <i>Bioorganic & Medicinal Chemistry</i> , 2010 , 18, 2872 – 2879.	2.822
37	Singh IP* , Jain SK, Kaur A, Singh S, Kumar R, Garg P, Sharma SS, Arora SK	Synthesis and antileishmanial activity of piperoyl-amino acid conjugates. <i>European Journal of Medicinal Chemistry</i> , 2010 , 45, 3439-3445.	3.269
38	Sidana J, Rohilla RK, Roy N, Barrow RA, Foley WJ*, Singh IP*	Antibacterial sideroxylonals and loxophlebal a from <i>Eucalyptus loxophleba</i> foliage. <i>Fitoterapia</i> , 2010 , 81, 878-883.	1.899
39	Kumar R, Gupta P, Garg P, Singh IP	Active site binding modes of dimeric phloroglucinols for HIV-1 reverse transcriptase, protease and integrase. <i>Bioorganic &</i>	2.65

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		<i>Medicinal Chemistry Letters</i> , 2010 , 20, 4427-4431.	
40	Bhrahmbhatt KG, Ahmed N, Sabde S, Mitra D, Singh IP , Bhutani KK	Synthesis and evaluation of β -carboline derivatives as inhibitors of human immunodeficiency virus. <i>Bioorganic & Medicinal Chemistry Letters</i> , 2010 , 20, 4416-4419.	2.65
41	Lal UR, Tripathi SM, Jachak SM, Bhutani KK, Singh IP*	HPLC analysis of Jirakadyarishta and chemical changes during fermentation. <i>Natural Product Communications</i> , 2010 , 5, 1767-1770.	0.894
42	Bedi N, Bedi PMS, Bodiwala HS, Singh IP , Bansal P	Scientific evaluation of an innovative herbal medicine for relief in respiratory disorders. <i>Canadian Journal of Pure and Applied Sciences</i> , 2010 , 4, 1249-1255.	--
43	Nafees A, Brahmbhatt K, Singh IP , Bhutani KK	Efficient chemoselective alkylation of quinolin-2,4-diol derivatives in water. <i>Journal of Heterocyclic Chemistry</i> , 2011 , 48, 237-240.	0.899
44	Bodiwala HS, Sabde S, Gupta P, Mukherjee R, Kumar R, Garg P, Mitra D*, Bhutani KK, Singh IP*	Design and synthesis of Caffeoyl-Anilides as portmanteau Inhibitors of HIV-1 integrase and CCR5. <i>Bioorganic & Medicinal Chemistry</i> , 2011 , 19, 1256–1263.	2.822
45	Ghagargunde KG, Sidana J, Singh IP*	HPTLC fingerprinting and quantification of phenolics in Brahmarasayana – An Ayurvedic rejuvenator. <i>Analytical Chemistry Letters</i> , 2011 , 1, 123 – 129.	--
46	Kaur A, Singh IP*	Densitometric determination of antileishmanial phenylpropanoids of <i>Alpinia galanga</i> (Linn.) Willd. <i>Journal of Planar Chromatography – Modern TLC</i> , 2011 , 24, 352-256.	1.247
47	Sabde S, Bodiwala HS, Karmase A, Deshpande PJ, Kaur A, Ahmed N, Chauthe SK, Brahmbhatt KG, Phadke RU, Mitra D*, Bhutani KK*, Singh IP*	Anti HIV activity of Indian medicinal plants. <i>Journal of Natural Medicines</i> , 2011 , 65, 3-4, 662-669.	1.469
48	Bodiwala HS, Sabde S, Mitra D*, Bhutani KK, Singh IP*	Synthesis of 9-Substituted Derivatives of Berberine as Anti-HIV Agents. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 1045-1049.	3.269
49	Sidana J, Foley WJ, Singh IP*	Quantitative analysis of euglobals in <i>Eucalyptus loxophleba</i> leaves by qNMR. <i>Natural Product Communications</i> , 2011 , 6, 1281-1284.	0.894
50	Bharate S, Singh IP	Quantitative structure–activity relationship study of phloroglucinol-terpene adducts as anti-leishmanial agents. <i>Bioorganic & Medicinal Chemistry Letters</i> , 2011 , 21, 4310-4315.	2.661
51	Sidana J, Singh S, Arora SK, Foley WJ, Singh IP*	Formylated phloroglucinols from <i>Eucalyptus loxophleba</i> foliage. <i>Fitoterapia</i> , 2011 , 82, 1118-1122.	1.899
52	Sidana J, Singh S, Arora SK, Foley WJ, Singh IP*	Terpenoidal constituents of <i>Eucalyptus loxophleba</i> ssp. <i>Lissophloia</i> . <i>Pharmaceutical Biology</i> , 2012 , 50, 823-827.	0.878
53	Sidana J, Foley WJ, Singh IP*	Isolation and quantitation of ecologically important phloroglucinols and other compounds from <i>Eucalyptus jensenii</i> . <i>Phytochemical Analysis</i> , 2012 , 23, 483-491.	2.633
54	Bharti P, Anand V, Chander J, Singh IP , Singh TV, Tewari R	Heat stable antimicrobial activity of <i>Burkholderia gladioli</i> OR1 against clinical drug resistant isolates. <i>Indian Journal of Medical Research</i> , 2012 , 135, 666-671.	1.826
55	Chauthe SK, Bharate SB, Giridharan Periyasamy G, Khanna A, Bhutani KK, Mishra PD, Singh IP*	One pot synthesis and anticancer activity of dimeric phloroglucinols. <i>Bioorganic & Medicinal Chemistry Letters</i> , 2012 , 22, 2251-2256.	2.661
56	Aqil F, Gupta A, Munagala R, Jeyabalan J, Kausar H, Sharma RJ, Singh IP , Gupta RC	Antioxidant and antiproliferative activities of anthocyanin/ellagitannin-enriched extracts from <i>Syzygium cumini</i> L. ('jamun', the Indian Blackberry). <i>Nutrition and Cancer: An International Journal</i> , 2012 , 64 (3) 428-438.	2.553
57	Chauthe SK, Sharma R, Aqil F, Gupta RC, Singh IP*	qNMR: an applicable method for quantitative analysis of medicinal plant extracts and herbal products. <i>Phytochemical Analysis</i> , 2012 , 23 (6), 689-696.	2.633
58	Kausar H, Jeyabalan J, Aqil F, Chabba D, Sidana J, Singh IP , Gupta RC	Berry anthocyanidins synergistically suppresses growth and invasive potential of human non-small-cell lung cancer cells. <i>Cancer Letters</i> , 2012 , 325 (1), 54-62.	4.86
59	Aqil F, Jeyabalan J, Kausar H, Bansal SS, Sharma RJ, Singh IP , Vadhanam	Multi-layer polymeric implants for sustained release of chemopreventives. <i>Cancer Letters</i> , 2012 , 326 (1), 33-40.	4.86

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	MV, Gupta RC		
60	Hubert DJ, Celine N, Johnson BN, Florence T, Bonaventure NT, Gupta I, Reddy GV, Singh IP, Sehgal R	Ethnopharmacological investigation and in vitro anti-giardial activity of some Cameroonian medicinal plants. <i>Pharmacologia</i> , 2012 , 3, 672-678.	--
61	Manikandan P, Ramalingam SM, VinothiniG, Ramamurthi VP, Singh IP , Anandan R, Gopalakrishnan M, Nagini S	Investigation of the chemopreventive potential of neem leaf subfractions in the hamster buccal pouch model and phytochemical characterization. <i>European Journal of Medicinal Chemistry</i> , 2012 , 56, 271-281.	3.346
62	Mahajan S, Singh IP*	Determining and reporting purity of organic molecules - why qNMR. <i>Magnetic Resonance in Chemistry</i> , 2013 , 51 (2), 76-81.	1.437
63	Ahmed N, Brahmbhatt KG, Khan SI, Jacob M, Tekwani BL, Sabde S, Mitra D, Singh IP , Khan IA, Bhutani KK	Synthesis and biological evaluation of tricyclic guanidine analogues of batzelladine K for antimalarial, antileishmanial, antibacterial, antifungal and anti-HIV activities. <i>Chemical Biology & Drug Design</i> , 2013 , 81, 491-498.	2.282
64	Sharma RJ, Aqil F, Jeyabalan J, Gupta RC, Singh IP*	Quantitative analysis of <i>Eugenia jambolana</i> (Willd. Ex O.Berg) for its major anthocyanins by Densitometry. <i>Journal of Planar Chromatography – Modern TLC</i> . 2013 , 26, 363-369.	0.767
65	Sidana J, Neeradi D, Choudhary A, Singh S, Foley WJ, Singh IP*	Anti-leishmanial polyphenols from <i>Corymbia maculata</i> . <i>Journal of Chemical Sciences</i> , 2013 , 125, 765-775.	1.177
66	Hubert DJ, Celine N, Michel N, Reddy GV, Florence TN, Johnson BN, , Bonaventure NT, Singh IP , Sehgal R	In vitro leishmanicidal activity of some Cameroonian medicinal plants. <i>Experimental Parasitology</i> . 2013 , 134, 304-308.	2.122
67	Choudhary A, Mittal AK, Radhika M, Tripathy D, Chatterjee A, Banerjee UC, Singh IP*	Two new stereoisomeric antioxidant triterpenes from <i>Potentilla fulgens</i> . <i>Fitoterapia</i> , 2013 , 91, 290-297.	2.139
68	Khan MS, Prasanna K, Mukesh N, Tripathi SM, Singh IP , Bhutani KK, Jachak SM	Analysis of Khadirarishta, an Ayurvedic formulation by HPLC and HPTLC. <i>CRIPS</i> , 2013 , 14(3), 61-65.	-
69	Handa T, Singh S, Singh IP	Characterization of a new degradation product of nifedipine catalyzed by atenolol: a typical case of alteration of degradation pathway of one drug by another. <i>Journal of Pharmaceutical and Biomedical Analysis</i> 2014 , 89, 6-17.	2.947
70	Kaur A, Kaur PK, Singh S, Singh IP*	Antileishmanial compounds from <i>Moringa oleifera</i> Lam. <i>Zeitschrift fuer Naturforschung C</i> , 2014 , 69c, 110-116.	0.604
71	Aqil F, Vadhanam MV, Jeyabalan J, Cai J, Singh IP , Gupta RC	Detection of anthocyanins/anthocyanidins in animal tissues. <i>J. Agric. Food Chem.</i> 2014 , 62 (18), 3912-3918.	2.906
72	Mahajan S, Khullar S, Mandal S, Singh IP*	A one-pot, three-component reaction for the synthesis of novel 7-arylbenzo[c]acridine-5,6-diones. <i>ChemComm.</i> , 2014 , 50, 10078-10081.	6.718
73	Choudhary A, Radhika M, Chatterjee A, Banerjee UC, Singh IP*	Qualitative and quantitative analysis of <i>Potentilla fulgens</i> roots by NMR, Matrix-assisted Laser Desorption/Ionisation with Time-of-Flight MS, Electrospray Ionisation MS/MS and HPLC-UV. <i>Phytochemical Analysis</i> , 2015 , 26, 161-170.	2.48
74	Sharma RJ, Gupta RC, Bansal AK, Singh IP*	Metabolite fingerprinting of <i>Eugenia jambolana</i> fruit pulp extracts using NMR, HPLC-PDA-MS, GC-MS, MALDI-TOF-MS and ESI-MS/MS spectrometry. <i>Natural Product Communications</i> 2015 , 10, 969-976.	0.956
75	Chauthe SK, Mahajan S, Rachamala M, Tikoo K, Singh IP*	Synthesis and evaluation of linear furanocoumarins as potential anti-breast and anti-prostate cancer agents. <i>Medicinal Chemistry Research</i> . 2015 , 24, 2476-2484.	1.612
76	Saraf I, Choudhary A, Sharma RJ, Dandi K, Marsh KJ, Foley WJ, Singh IP*	Extraction of pinocembrin from different species of <i>Eucalyptus</i> leaves and its quantitative analysis by qNMR and HPTLC. <i>Natural Product Communications</i> , 2015 , 10, 379-382.	0.956
77	Choudhary A, Kumar R, Srivastava RB, Surapaneni SK, Tikoo K, Singh IP*	Isolation and characterization of phenolic compounds from <i>Rhodiola imbricata</i> , a Trans-Himalyan food crop having antioxidant and anticancer potential. <i>Journal of Functional Foods</i> , 2015 , 16, 183-193.	4.48

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78	Mittal AK, Choudhary A, Tripathy D, Aili PK, Ghanghoriya A, Chatterjee A, Singh IP , Banerjee UC	Bio-synthesis of silver nanoparticles using <i>Potentilla fulgens</i> ex wall. Hook and its therapeutic evaluation as anticancer and antimicrobial agent. <i>Materials Science and Engineering C</i> . 2015 , 53, 120-127.	2.736
79	Marsh KJ, Yin B, Singh IP , Saraf I, Choudhary A, Au J, Tucker DJ, Foley WJ	From leaf metabolome to <i>in vivotesting</i> : Identifying antifeedant compounds for ecological studies of marsupial diets. <i>Journal of Chemical Ecology</i> , 2015 , 41, 513-519.	2.239
80	Tripathy D, Choudhary A, Banerjee UC, Singh IP , Chatterjee A	Induction of apoptosis and reduction of endogenous glutathione level by the ethyl-acetate soluble fraction of the methanol extract of the roots of <i>Potentilla fulgens</i> in cancer cells. <i>PLoS One</i> 2015 , DOI:10.1371/journal.pone.0135890	3.234
81	Sharma, RJ, Gupta RC, Singh SS, Bansal AK, Singh IP*	Stability of Anthocyanins- and Anthocyanidins-enriched Extracts, and Formulations of Fruit Pulp of <i>Eugenia jambolana</i> ('Jamun'). <i>Food Chemistry</i> , 2016 , 190, 808-817.	3.259
82	Choudhary A, Sharma RJ, Singh IP*	Quantitative analysis of major sesquiterpene lactones in essential oil of <i>Inula racemosa</i> and <i>Saussurea lappa</i> using qNMR. <i>Journal of Essential Oil Bearing Plants</i> , 2016 , 19, 20-31.	0.306
83	Kumar R, Sethil R, Shah P, Roy I, Singh IP , Bharatam PV, Tewari R, Garg P	Biological evaluation of small molecule inhibitors of <i>Mtb</i> -ASADH enzyme. <i>Letters in Drug Design and Discovery</i> , 2016 , 13, 587-590	1.17
84	Khan A, Bharti P, Saraf I, Mittal N, Tewari R*, Singh IP*	Two new aromatic glycosides from a soil bacterium <i>Burkholderia gladioli</i> OR1. <i>Natural Product Communications</i> . 2016 , 11, 663-665.	0.956
85	Aqil F, Jeyabalan J, Kausar H, Munagala R, Singh IP , Gupta RC	Lung cancer inhibitory activity of dietary berries and berry phenolics. <i>Journal of Berry Research</i> . 2016 , 6, 105-114. DOI:10.3233/JBR-160120	--
86	Aqil F, Jeyabalan J, Munagala R, Singh IP , Gupta RC.	Prevention of hormonal breast cancer by dietary jamun. <i>Molecular Nutrition & Food Research</i> . 2016 , 60, 1470-1481. DOI 10.1002/mnfr.201600013	4.603
87	Singh V, Kahol A, Singh IP , Saraf I, Shri R	Evaluation of anti-amnesic effect of extracts of selected <i>Ocimum</i> species using in-vitro and in-vivo models. <i>Journal of Ethnopharmacology</i> . 2016 , 193, 490-499.	3.055
88	Gupta S, Kumar S, Saraf I, Dhaage AH, Upadhyay R, Chatterjee A, Singh IP*	Quantification of acetoside in <i>Clerodendrum colebrookianum</i> Walp. by qNMR, HPLC and HPTLC. <i>Trends in Carbohydrate Research</i> . 2016 , 8, 15-23.	--
89	Kaur M, Kumar R, Patel D, Singh IP , Saini S	Impact of sesquiterpenes from <i>Inula racemosa</i> (Asteraceae) on growth, development and nutrition of <i>Spodoptera litura</i> (Lepidoptera:Noctuidae). <i>Pest Management Science</i> . 2017 , 73, 1031-1038.	2.811
90	Kaur P, Joshi N, Singh IP , Singh H	Identification of Cyclic lipopeptides produced by <i>Bacillus vallismortis</i> R2 and their Antifungal activity against <i>Alternaria alternata</i> . <i>Journal of Applied Microbiology</i> . 2017 , 122, 139-152.	2.156
91	Tripathi SM, Sharma RJ, Bansal AK, Bhutani KK, Singh IP*	Development of chewable tablet of Trikatu churna and standardization by densitometry. <i>Indian Journal of Traditional Knowledge</i> . 2017 , 16, 256-262.	0.59
92	Munagala R, Aqil F, Jeyabalan J, Agrawal AK, Mudd AM, Kyakulaga AH, Singh IP , Vadhanam MV, Gupta RC	Exosomal formulation of anthocyanidins against multiple cancer types. <i>Cancer Letters</i> . 2017 , 393, 94-102	5.992
93	Gupta S, Kumar S, Jariwala N, Bhadane D, Bhutani KK, Kulkarni S*, Singh IP*	<i>In silico</i> prioritization, synthesis and <i>in vitro</i> evaluation of tembamide analogs for anti-HIV activity. <i>Letters in Drug Design and Discovery</i> . 2017 , 14, 1455-1464.	1.17
94	Saraf I, Vir S, Marsh K, Foley WJ, Singh IP*	Quantitative analysis of various B-ring unsubstituted and substituted flavonoids in ten Australian species of Eucalyptus. <i>Natural Product Communications</i> . 2017 , 12, 1695 -1699.	0.956
95	Oben KZ, Alhakeem SS, McKenna MK, Brandon JA, Mani R, Noothi SK, Jinpeng L, Akunuru S, Dhar SK, Singh IP , Liang Y, Wang C, Abdel-Latif A, Stills Jr HF, St. Clair DK, Geiger H,	Oxidative stress-induced JNK/AP-1 signaling is a major pathway involved in selective apoptosis of myelodysplastic syndrome cells by Withaferin-A. <i>Oncotarget</i> , 2017 , Vol. 8, (No. 44), 77436-77452.	5.415

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	Muthusamy N, Tohyama K, Gupta RC, Bondada S.		
96	Sherwood LC, Aqil F, Vadhanam MV, Jeyabalan J, Munagala R, Hoetker D, Srivastava S, Singh IP , Cambron S, O'Toole M, Spencer W, Parker L, Gupta RC	Development of a goat model for evaluation of withaferin A: Cervical implants for the treatment of cervical intraepithelial neoplasia. <i>Experimental and Molecular Pathology</i> . 2017 , 103, 320–329.	2.423
97	Kurmi M, Sahu A, Singh DK, Singh IP , Singh S	Stability behaviour of antiretroviral drugs and their combinations. 8: Characterization and <i>in-silico</i> toxicity prediction of degradation products of efavirenz. <i>Journal of Pharmaceutical and Biomedical Analysis</i> . 2018 , 130, 170-181.	3.255
98	Mahajan S, Gupta S, Jariwala N, Bhadane D, Bhutani KK, Kulkarni S*, Singh IP*	Design, synthesis and anti-HIV-1 activity of modified styrylquinolines. <i>Letters in Drug Design and Discovery</i> . 2018 , 15, 937-944.	1.17
99	Mahajan S, Khan SI, Tekwani BL, Khan IA, Singh IP*	Design, synthesis and biological evaluation of 7-arybenzo[c]acridine-5,6-diones as potential anti-leishmanial and anti-trypanosomal agents. <i>Medicinal Chemistry</i> . 2018 , 14, 563-572.	2.631
100	Shah P, Naik D, Jariwala N, Bhadane D, Kumar S, Kulkarni S*, Bhutani KK, Singh IP*	Synthesis of C-2 and C-3 substituted quinolines and their evaluation as anti-HIV-1 agents. <i>Bioorganic Chemistry</i> . 2018 , 80, 591-601.	3.929
101	Kushwah V, Sameer S, Katiyar SC, Agrawal AK, Saraf I, Singh IP , Lamprou DA, Gupta RC, Jain S	Implication of linker length on cell cytotoxicity, pharmacokinetic and toxicity profile of gemcitabine-docetaxel combinatorial dual drug conjugate. <i>International Journal of Pharmaceutics</i> . <i>International Journal of Pharmaceutics</i> . 2018 , 548 (1), 357-374.	3.862
102	Shah P, Abadai LF, Gaikwad S, Chaudhari D, Kushwah V, Jain S, Bhutani KK, Kulkarni S*, Singh IP*	Synthesis and biological evaluation of 8-hydroxyquinoline-hydrazones for anti-HIV-1 and anti-cancer potential. <i>ChemistrySelect</i> . 2018 , 3, 10727– 10731.	1.505
103	Datta R, Kaur A, Saraf I, Singh IP , Kaur S	Effect of crude extracts and purified compounds of <i>Alpinia galanga</i> on nutritional physiology of a polyphagous lepidopteran pest, <i>Spodoptera litura</i> (Fabricius). <i>Ecotoxicology and Environmental Safety</i> . 2019 , 168, 324–329	3.974
104	Kumar S, Gupta S, Gaikwad S, Abadi LF, Bhutani KK, Kulkarni S*, Singh IP*	Design, synthesis and in vitro evaluation of novel anti-HIV 3-pyrazol-3-yl-pyridin-2-one analogs. <i>Medicinal Chemistry</i> . 2018 In press	2.631
105	Milankumar J, Kale D, Singh IP , Bansal A	Influence of Drug-Polymer Interactions on Dissolution of Thermodynamically Highly Unstable Cocrystal. <i>Molecular Pharmaceutics</i> . 2018 Accepted	4.556
106	Kumar S, Pagar AD, Ahmad F, Dwibedi V, Wani A, Bharatam PV, Chhibber M, Saxena S*, Singh IP*	Xanthine oxidase inhibitors from an endophytic fungus <i>Lasiodiplodia pseudotheobromae</i> 2018 In press	3.929

Review Articles

Sr. No.	Authors	Title	Impact Factor
1	Singh IP , Etoh H	Biological activities of phloroglucinol derivatives from <i>Eucalyptus</i> spp. <i>Natural Product Sciences</i> , 1997 , 3, 1-7.	--
2	Singh IP* , Bharate SB, Bhutani KK	Anti-HIV natural products. <i>Current Science</i> , 2005 , 89 (2), 269-290.	0.728
3	Singh IP* , Bharate SB, Bhutani KK	Interactions of herbs and food products with drugs: grape fruit juice as an example. <i>Natural Product Radiance</i> , 2005 , 4, 107-112.	--
4	Singh IP* , Bharate SB	Phloroglucinol compounds of natural origin. <i>Natural Product Reports</i> , 2006 , 23, 558 - 591.	7.89
5	Singh IP* , Sidana J, Bansal P, Foley WJ	Phloroglucinol compounds of therapeutic interest: global patent and technology status. <i>Expert Opinion on Therapeutic Patents</i> , 2009 , 19 (6), 847-866.	1.335
6	Singh IP* , Sidana J, Bharate SB, Foley WJ	Phloroglucinol compounds of natural origin: Synthetic aspects. <i>Natural Product Reports</i> , 2010 , 27, 393-416.	9.202
7	Singh IP* , Bodiwala HS	Recent advances in anti-HIV natural products. <i>Natural Product</i>	9.202

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		<i>Reports</i> , 2010 , 27, 1781-1800.	
8	Singh IP*, Chauthe S	Small molecule HIV entry inhibitors - Part I: Chemokine receptor antagonists: 2004-2010. <i>Expert Opinion on Therapeutic Patents</i> , 2011 , 21(2), 227-269.	3.571
9	Singh IP*, Chauthe S	Small molecule HIV entry inhibitors - Part II: Attachment and fusion inhibitors: 2004-2010. <i>Expert Opinion on Therapeutic Patents</i> , 2011 , 21(3), 399-416.	3.571
10	Singh IP*, Mahajan S	Berberine and its derivatives: a patent review (2009-2012). <i>Expert Opinion on Therapeutic Patents</i> , 2013 , 23, (2), 215-231.	3.571
11	Singh IP*, Choudhary A	Piperine and Derivatives: Trends in Structure-Activity Relationships. <i>Current Topics in Medicinal Chemistry</i> , 2015 , 15, 1722-1734.	3.453
12	Singh IP*, Shah P	Tetrahydroisoquinolines in therapeutics: A patent review (2010-2015). <i>Expert Opinion on Therapeutic Patents</i> , 2017 , 27, 1, 17-36	4.626
13	Singh IP*, Kumar S, Gupta S	Naphthyridines with Antiviral Activity - A Review. <i>Medicinal Chemistry</i> . 2017 , 13, 430-438.	2.331
14	Saxena S, Chhiber M, Singh IP	Fungal bioactive compounds in pharmaceutical research and development. <i>Current Bioactive Compounds</i> . 2018 . 10.2174/1573407214666180622104720	--

Book Chapters

Sr. No.	Authors	Title
1	Singh IP, Etoh H	Biofouling: screening of attachment-inhibitors and -promoters by using the blue mussel, <i>Mytilus edulis galloprovincialis</i> . In: S. G. Pandalai (Ed), Recent Research Developments in Agricultural and Biological Chemistry, Vol. 1 . Research Signpost, Trivandrum, 1997 , pp. 1-14.
2	Watanabe N, Singh IP	Analysis of aroma release from scented teas. In: H. F. Linskens and J. F. Jackson (Eds), Modern Methods of Plant Analysis, Vol. 19 . Plant Volatile Analysis, Springer-Verlag, Berlin, Heidelberg, 1997 pp. 231-258.
3	Etoh H, Singh IP	Chemistry of lycopene - A Review. In: S. G. Pandalai (Ed), Recent Research Developments in Agricultural and Biological Chemistry, Vol. 2 . Research Signpost, Trivandrum, 1998 , pp. 97-113.
4	Gerwick WH, Singh IP	Structural diversity of marine oxylipins. In: T. M. Kuo and H. W. Gardner (Eds), Lipid Biotechnology, Marcel and Dekker, New York, 2002, pp 249-275.
5	Singh IP, Etoh H, Takasaki M, Konoshima T	Euglobins - anti tumor promoters from <i>Eucalyptus</i> species. Recent Advances in Phytochemistry. Global Research Network, Trivandrum, 2000 , 1 , 51-64.
6	Singh IP	Nuclear magnetic resonance methods in structure elucidation. In: Rakesh K. Sharma and Rajesh Arora (Eds), Herbal Drugs A twenty first century perspective, Jaypee Brothers, New Delhi, 2006 , pp 163-174.
7	Singh IP*, Lal UR, Bodiwala HS, Mahajan RC, Bhutani KK	Anti-leishmanial natural products, In: Recent Progress in Medicinal Plants, Studium Press LLC, P.O. Box-722200, Houston, Texas 77072, U.S.A. 2006 , 13, 116-149.
8	Singh IP, Sidana J	Phlorotannins, In: Herminia Dominguez (Ed) Functional ingredients from algae for foods and nutraceuticals, Woodhead Publishing Ltd. UK. 2013 , pp 181-204.
9	Aqil F, Munagala R, Jeyabalan J, Joshi T, Singh IP, Gupta RC	The Indian Blackberry (Jamun), Antioxidant Capacity, and Cancer Protection In: Victor R Preedy (Ed) Cancer: Oxidative Stress and Dietary Antioxidants 2014. Elsevier Academic Press USA. 2014 , 100-114.
10	Singh IP*, Sidana J	Chemistry of the genus <i>Eucalyptus</i> . In Bhojvaid et al (Eds) <i>Eucalypts in India</i> , ENVIS centre on Forestry, FRI, Dehradun, India. 2014 , 429-469.

Research Projects (Completed and ongoing)

Title of the project	Funding agency	Role
A composite proposal for comprehensive research on Asavas and Aristas by studying markers of the plant materials used therein and stability and shelf-life studies and technology development of these formulations (2003)	Ministry of Health and Family welfare, Dept. of ISM&H, GOI, New Delhi	Co-I

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Preparation, standardization and stability related issues of pippalyadi yoga - an Ayurvedic oral contraceptive (2003)	Dept. of Family Welfare, Ministry of Health and Family Welfare, GOI, New Delhi	Co-I
To develop a method to extract and purify sideroxytonals from <i>Eucalyptus loxophleba</i> foliage (2005)	Australian National University, Canberra, Australia	PI
Synthesis of natural Piperine-amino acid derivatives as potential anti-leishmanial agents (2006)	International Foundation for Science (IFS), Sweden	PI
Phytochemical and biological evaluation of selected <i>Eucalyptus</i> species (2006)	Australian National University, Canberra, Australia	PI
Identification of anti-viral compounds with potential for development of microbicides to prevent HIV infection and transmission (2006)	DBT, New Delhi	Co-PI
Discovery of potential antileishmanial chemotherapeutics and ethnotherapeutics from medicinal plants (2007)	DST, New Delhi	PI
Isolation of anthocyanins from Berries (2007)	University of Louisville, USA	PI
Anti-candida metabolites of <i>Burkholderia gladioli</i> OR-1: Identification, characterization, chemical modifications and toxicity assays (2008)	DBT, New Delhi	Co-PI
Standardization and quality control of selected anti-HIV formulations (2008)	ICMR, New Delhi	PI
Studies on anti-tumor and radioprotective potential of <i>Potentilla fulgens</i> Wall ex Hook. And characterization of its active constituents (2010)	DBT, New Delhi	Co-I
Identification of potential anti-HIV natural product analogs using molecular docking and medicinal chemistry approaches (2013)	DBT, New Delhi	PI
Comparative chemoprofiling, isolation and characterization of secondary metabolites of <i>Rhodiola imbricata</i> and <i>R. heterodanta</i> (2015)	DIHAR, DRDO	PI
Biologically active secondary metabolites from <i>Codonopsis clematidea</i> of trans Himalayas (2017)	DIHAR, DRDO	PI
Development of herbal formulations from Seabuckthorn	DBT, New Delhi	PI and Project Coordinator
Isolation and characterization of xanthine oxidase inhibitors from endophytic fungi for treatment of hyperurecemia and gout	DBT, New Delhi	PI

Industrial Consultancies

Title	Client
Quantification of Steviol glycosides in Chinese Steviol glycosides enriched extract (2010)	Stanpack Pharma Pvt. Ltd, Mumbai

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Caralluma Herbal Project (2010)	Chemical Resources
HPLC analysis of polysorbate using ELSD (2008)	Panacea Biotech, Lalru
HPLC analysis of <i>Euphorbia prostata</i> using ELSD (2009)	Panacea Biotech, Lalru
Development of a herbal product KAFGON (2007)	Mrs. Raj Katyal, Jalandhar
HPLC analysis of five herbal samples (2008)	Mrs. Raj Katyal, Jalandhar
Fingerprinting of herbal oil sample (2006)	Venus Remedies, Panchkula
Testing of oil samples on GC-MS (2005)	Alliance Engineers

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Selected Invited Lectures/Presentations (National & International)

1. Singh IP. Isolation and synthesis of anti-leishmanial natural products. The 4th International Symposium toward the Future of Advanced Researches in Shizuoka University 06.03.2018, Shizuoka University, Japan.
2. Singh IP. Metabolite fingerprinting of *Eugenia jambolana* fruit pulp extracts. International Conference on Drug Discovery: Biotech and Pharma at CrossRoads 16.02.2018, Thapar University, Patiala.
3. Singh IP. Natural Products – Drug Discovery and Development. Responsible Research and Innovations in Science and Technology (RRIST), Guru Nanak College, Budhlada. 18.03.2017
4. Singh IP (Keynote Lecture). Quantitative NMR: Applications in Herbal Drug Analysis. 2017 International Symposium Toward the Future of Advanced Researches in Shizuoka University, GSST/RIGST, Shizuoka University, Japan. 27.02.2017
5. Singh IP. Natural Products-Inspired Approaches for New Bioactive Molecules. Research Institute of Green Science and Technology (RIGST), Shizuoka University, Hamamatsu, Japan 23.02.2017
6. Singh IP. Structure Elucidation of Some Selected Natural Products by Spectral Methods. Department of Chemistry, PAU, Ludhiana. 02.02.2017
7. Singh IP. New Drug Discovery from Natural Sources. National Consultation on Pharmaceuticals and Bio-fuel from Marine Biological Systems – Status, Constraints and the Way Forward. Cochin University of Science and Technology. 1-3, February 2016.
8. Singh IP. Diversity in Natural Products Research. 2016. Brain-storming session on 'Drugs from Sea'. CDRI, Lucknow, 21-23 January 2016.
9. Singh IP. Developing herbal formulations of anthocyanin and anthocyanidins-enriched extracts from *Eugenia jambolana*. 2015 International Symposium toward the Future of Advanced Researches in Shizuoka University, Japan. January 27-28, 2015.
10. Singh IP. Natural product analogs as potential anti-HIV agents. 17th December 2013. Georgia State University, Atlanta, USA.
11. Singh IP. Natural product based drug discovery. Technologies in carcinogenesis and chemoprevention. May 30-31, 2013. University of Louisville, USA.
12. Singh IP. Discovery of anti-HIV molecule based on natural leads. Indo-US symposium organized by HNBU, Garhwal and University of Texas-Pan American. Dehradun 13th December 2012.
13. Singh IP. Natural product based discovery of anti-leishmanial agents. Modi College, Patiala. 3rd March 2012.
14. Singh IP. Natural product based discovery of antileishmanial and anti-HIV agents. Indo-UK seminar on innovative medicines. Organized by IIT Chennai and University of Strathclyde UK. Hyderabad, 15th November 2011.
15. Singh IP. Avenues for an organic chemist – why become a scientist. DST-INSPIRE lecture at HNBU, Garhwal, 29th September 2011.
16. Afsana, Mittal N, Tewari R, Singh IP. Chemical investigation of *Burkholderia gladioli* OR-1. Presented at 14th Punjab Science Congress, Sangrur, Punjab, February 2011.
17. Joshi N, Ghagargunde KG, Sidana J, Singh IP. HPTLC Fingerprinting and quantification of phenolics in Brahma Rasayana – An Ayurvedic Rejuvenator. Presented at 14th Punjab Science Conference, Sangrur, Punjab, February 2011.
18. Singh IP, Lal UR, Nisha, Tripathi SM, Jachak SM, Bhutani KK. Standardization of Ayurvedic formulations: *Asava* and *Arishtas*. Presentation at Chitkara College, Punjab, India, October 2010.
19. Sharma RJ, Gupta RC, and Singh IP. Densitometric determination of anthocyanins in *Eugenia jambolana*. DDNPTM, NIPER, S.A.S. Nagar, India, November 2010.

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20. Agil F, Jeyaprakash J, Ravoori S, Gupta A, Sharma RJ, Sidana J, Singh IP, Gupta RC. Breast cancer chemopreventive potential of 'jamun', the indian blackberry. DDNPTM, NIPER, S.A.S. Nagar, India, November 2010.
21. Kaur A, Singh R, Dey CS, Sharma SS, Bhutani KK, Singh IP. Antileishmanial Phenylpropanoids from *Alpinia galanga* (Linn.) Willd. DDNPTM, NIPER, S.A.S. Nagar, India, November 2010.
22. Chauthe SK., Mitra D, Bhutani KK, Singh IP. Simple, rapid, economical and environment friendly synthesis of Antibiotic 2,4-Diacetylphloroglucinol and anti-HIV dimeric phloroglucinols. Presented at DDNPTM at NIPER, S.A.S. Nagar, India in November 2010.
23. Bodiwala HS, Sabde S, Mitra D, Bhutani KK, Singh IP. Synthesis of 9-substituted derivatives of berberine as anti-HIV agents. DDNPTM, NIPER, S.A.S. Nagar, India, November 2010.
24. Bodiwala HS, Sabde S, Mitra D, Bhutani KK, Singh IP. Design and synthesis of caffeoyl-anilides as *Portmanteau* inhibitors of HIV-1 integrase and CCR5. ISACS-1, San Francisco, USA, July 2010.
25. Sidana J, Rohilla RK, Roy N, Barrow R, Foley WJ, Singh IP. Antibacterial sideroxylonals and loxophlebal from *Eucalyptus loxophleba* foliage. DDNPTM, NIPER, S.A.S. Nagar, India, November 2010.
26. Singh IP, Jain SK, Kaur A, Sharma SS, Singh S, Arora SK. Synthesis and antileishmanial activity of Piperine-amino acid conjugates. Presented at workshop on 'Chemistry in Nature – Natural resources: chemical, biological and environmental aspects' in Thailand, December 2009.
27. Jain SK, Kaur AK, Singh IP. Synthesis of Piperoyl-amino acid conjugates as potential antileishmanial agents. Presented at DDNPTM at NIPER, S.A.S. Nagar, India in November 2008.
28. Chauthe SK, Bharate SB, Sabde S, Mitra D, Bhutani KK, Singh IP. Synthesis and biological evaluation of Mallotojaponin analogues as potential anti-HIV agents. Presented at DDNPTM at NIPER, S.A.S. Nagar, India in November 2008.
29. Bodiwala HS, Sabde S, Mitra D, Bhutani KK, Singh IP. Anti-HIV diterpenes from *Coleus forskohlii*. DDNPTM, NIPER, S.A.S. Nagar, India, November 2008.
30. Singh IP and Bharate SB. Biomimetic synthesis of naturally occurring phloroglucinol compounds. Presented at SLIET meeting on Green Chemistry, March 2007.
31. Lal UR, Nisha, Tripathi SM, Jachak SM, Bhutani KK, Singh IP. Separation and determination of flavonoids and other phenolic compounds in fermented Ayurvedic formulations by RP HPLC. Presented at National Symposium on New Challenges in Chemistry, GNDU, Amritsar, Punjab, March 2006.
32. Singh IP, Bharate SB, Khan SI, Tekwani BL, Jacob MR, Khan IA, Bhutani KK. Biogenetic thinking for designing novel molecules: Biomimetic synthesis and biological evaluation of euglobals and their analogues. Presented at National Symposium on New Challenges in Chemistry, GNDU, Amritsar, Punjab, March 2006.
33. Singh IP, Bharate SB, Khan SI, Tekwani BL, Jacob MR, Khan IA, Bhutani KK. Biomimetic synthesis and biological evaluation of euglobals and their analogues. Presented at OCCB held at Pune in 2006.
34. Singh IP, Bharate SB, Chauthe SK, Bhutani KK. Application of Duff's reagent in natural product synthesis: An efficient two-step synthesis of Jensenone and its biological evaluation. Presented at National Conference on New Trends in Chemistry at Jalandhar, Punjab, India in November 2005.

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35. Bharate SB, Chauthe SK, Bhutani KK, Singh IP. Biomimetic synthesis and LC-MS assisted separation of euglobins G1-G4. Oral Presentation at ISMAS-WS 2004 on Mass Spectrometry, Shimla, India in October 2004.
36. Bharate SB, Bhutani KK, Singh IP. Biomimetic synthesis of anti-malarial robustadials. Presented at International Conference on Chemistry-Biology Interface: Synergistic New Frontiers (CBISNF) held at New Delhi, India in November 2004.

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Currently enrolled students

PhD	M.S.(Pharm.)	Staff
Sanjay Kumar	Shubam	K. Prasanna
Shweta	B. Priyanka	Rakesh Kumar (JTA)
Dattaraje Gore	Priyanka Shinde	
	Anjana Devi	
	Vaishali	
	Hashmi Ismat	

Past students and their current affiliations

PhD Students

Sr. No.	Name	Thesis title	Current affiliation
1	Sandip B. Bharate	Design and biomimetic synthesis of phloroglucinol compounds for anti-infective agents (2007)	Scientist, Indian Institute of Integrative Medicine (IIIM), Jammu
2	Uma Ranjan Lal	Development of analytical profiles of selected Arishtas (2010)	Associate Professor, Shoolini University, Solan
3	Hardik S Bodiwala	Natural products and their analogs as potential anti-HIV agents (2011)	Research Scientist, Zydus Cadila, Ahmedabad, Gujarat
4	Jasmeen Sidana	Phytochemical investigations on selected Eucalyptus species for potential anti-leishmanial activity (2011)	Dr Reddy's laboratories
5	Siddheshwar K Chauthe	Design and synthesis of natural product analogues as potential anticancer and anti-HIV agents (2012)	BIOCON, Bangalore
6	Amandeep Kaur	Phytochemical investigations on selected medicinal plants for antileishmanial activity (2012)	GVK Biosciences
7	Ram Jee Sharma	Studies on <i>Eugenia jambolana</i> derived anthocyanins- and anthocyanidins-enriched extracts: Standardization, biological evaluation and formulation development (2015)	Indian Herbs
8	Shivani Mahajan	Design and synthesis of natural product-based analogues as potential anti-protozoal and anti-HIV agents (2016)	Georgetown University
9	Alka Choudhary	Phytochemical investigations of <i>Potentialla fulgens</i> and <i>Rhodiola imbricata</i> for selected biological activities (2016)	NIPER, Guwahati
10	Shiv Gupta	Design and synthesis of anti-HIV natural product analogs	LPU, Phagwara
11	Ravi Kumar Mittal	Design, synthesis and in silico evaluation of substituted quinoline derivatives for anti-HIV activity (Administrative Guide)	Galgotias University
12	Isha Saraf	Phytochemical profiling of some Australian and Indian <i>Eucalyptus</i> Species	Thesis submitted
13	Shah Purvi	Design, synthesis and biological evaluation of quinoline and 1,2,3,4-tetrahydroisoquinoline derivatives as potential anti-HIV and anti-cancer agents	Thesis submitted

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M. S. (Pharm.) Students

Sr No	Name	Thesis title	Year
1	Siddheshwar K Chauthe	Synthesis of phloroglucinol derivatives as potential anti-malarial compounds	2003
2	Hardik S Bodiwala	Chemistry and biology of chemical constituents of <i>Piper cubeba</i> and <i>Piper retrofractum</i>	2005
3	Nafees Ahmad	Synthesis of <i>O</i> -alkylated phloroglucinol derivatives as potential anti-malarial agents	2005
4	Jasmeen Sidana	Phytochemical investigations on <i>Eucalyptus loxophleba</i>	2006
5	Nisha Jambu	Isolation and characterization of marker constituents from Ayurvedic formulations <i>Arjunarishtha</i> , <i>Rohitakrishtha</i> and <i>Babbularishtha</i>	2006
6	Amandeep Kaur	Phytochemical investigations on <i>Alstonia scholaris</i>	2007
7	Shreyans Jain	Synthesis and antileishmanial activity of Piperine-Amino acid conjugates	2007
8	Aniket Karmase	Phytochemical investigations of <i>Aegle marmelos</i>	2008
9	Vinod Mandowara	Synthesis of natural phloroglucinol compounds as potential antimicrobials and antileishmanials	2008
10	Amit Kumar Gautam	Synthesis of Piperoyl-Amino acids conjugates	2008
11	Ram Jee Sharma	Large-scale isolation of Anthocyanins from <i>Eugenia jambolana</i>	2009
12	Maulik G. Patel	Phytochemical investigations of <i>Eucalyptus paniculata</i>	2009
13	Kiran Ghagargunde	Standardization of Ayurvedica formulation <i>Brahma Rasayana</i>	2010
14	Neha Jain	Chemical aspects of Ayurvedic Detoxification of <i>Plumbago zeylanica</i>	2010
15	Dharmendra Yadav	Synthesis of Naturally occurring Phloroglucinol glycosides	2010
16	Afsana	Chemical investigation of <i>Burkholderia gladioli</i>	2011
17	Aruna Meena	Standardization of Ayurvedic formulation <i>Dravyadi kvatha churna</i>	2011
18	Neeta Joshi	Chemical investigation of <i>Bacillus vallismortis</i>	2011
19	Rajesh Ghanta	Standardization of Ayurvedic formulation <i>Haritakiyadi churna</i>	2011
20	Vijay Rakholiya	Phytochemical investigation of <i>Eucalyptus tereticornis</i>	2012
21	Deep Patel	Synthesis of Macrocarpal analogues	2012
22	Naresh Marella	Synthesis and Biological evaluation of Cubebin and Berberine analogs for anti-leishmanial activity	2012
23	Divya Sreepada	Synthesis of phloroglucinol and sesquiterpene derivatives	2012
24	Ekhar Prashant	Isolation of Gingerols and Shogaols from <i>Zingiber officinalis</i>	2012
25	Lokesh Joshi	Synthesis of Piperoyl- dipeptide conjugates for anti-leishmanial activity	2012
26	Priyanka Jindal	Standardization of <i>Vasant Malti Rasa</i> and <i>Phaltrikadi kwatha</i>	2012
27	Jyothsana	Standardization of Marketed samples of <i>Abhrak-bhasma</i> and <i>Dhantri lauh</i>	2012

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28	G. Krishna Rajitha	Scale-up and preformulation studies on anti-HIV caffeoyl-anilide derivatives	2013
29	Sourabh jain	Isolation and characterization of chemical constituents from aerial parts of <i>Tephrosia purpurea</i>	2013
30	Priyanka Mangal	Standardization and quantification of plant materials and their herbal products using quantitative NMR technique	2013
31	Kathik Dandi	Phytochemical investigation of selected Eucalyptus species	2013
32	Srikanth Munnagi	Chemical investigation of radio-protective fraction isolated from <i>Bacillus</i> sp. INM-1	2013
33	Sanjay Kumar	Scale-up and preformulation studies on anti-HIV phloroglucinol compounds	2013
34	Yogin Mevada	Finding a substitute of cow urine for Ayurvedic formulations	2013
35	Parikh Mayurkumar N	Isolation of marker compounds from <i>Andrographis paniculata</i> and <i>Butea monosperma</i>	2014
36	Manoj Kumar Sharma	Synthesis of sulphated flavanoid-O-glucosides	2014
37	Naik Dharav Hitendrabhai	Design and synthesis of quinoline derivatives as antileishmanial and anti-HIV agents	2014
38	Nanasaheb Dhavan	Synthesis of N-acetyl-L-tryptophan-N-glucoside	2014
39	Haritha Chowdhary	Synthesis of 4-substituted quinolin-2-(1H)one analogs as potential anti-HIV agents	2014
40	Seema Soni	Development and standardization of solid dosage form (tablet) of Phatrikadi Kwatha	2014
41	Roohi Mohi-uddin	Development and standardization of liquid dosage form (syrup) of phaltrikadi kwatha	2014
42	Richa Baghel	Design and synthesis of analogues of pipartine for anti-leishmanial activity	2015
43	Revathi	Isolation of mangiferin from <i>Mangifera indica</i>	2015
44	Jignesh	Phytochemical investigations on <i>Euphorbia thymifolia</i>	2015
45	Chandresh	Evaluation of anti-eczematic activity of hydro-alcoholic extract of <i>Euphorbia thymifolia</i> and its prepared formulations in Eczema induced mice model	2015
46	Sarala	Phytochemical investigations on <i>Tephrosia purpurea</i>	2015
47	Jay A. Sompura	Chemical investigation of an endophytic fungus <i>Lasiodiplodia pseudotheobromae</i>	2016
48	Pratiksha Dilip Kamble	Isolation of compounds from <i>Hippophae rhamnoides</i> ssp. <i>turkestanica</i>	2016
49	Randhir Kumar	Isolation of anthocyanins from peels of <i>Solanum melongena</i>	2016
50	Avaneesh Kumar	Isolation of anthocyanins from <i>Punica granatum</i> seeds	2016
51	Aruna Hanumant Dhage	Phytochemical investigation of <i>Clerodendrum colebrookianum</i>	2016
52	Anjaly Maria	Isolation and characterization of secondary metabolites from endophytic fungus <i>Fusarium equiseti</i>	2017
53	Gayathri Gopi	Isolation, characterization and quantification of marker	2017

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		compounds from <i>Alstonia scholaris</i> stem bark	
54	Meena Kumari Chauhan	Isolation and characterization of chemical constituents of <i>Acalypha indica</i> L.	2017
55	R. Shravanthi	Design and synthesis of Indole derivatives for anti-HIV activity	2017
56	Kunal Gupta	Standardization of anti-eczematic formulation of hydroalcoholic extract of <i>Euphorbia thymifolia</i>	2017
57	Sailaja N	Isolation, characterization and quantification of marker compounds from <i>Aegle marmelos</i> leaves and fruits	2017
58	Pagar Amol Dilip	Isolation and characterization of secondary metabolites from endophytic fungus <i>Lasiodiplodia pseudotheobromae</i>	2017
59	Rakesh Kumar	Phytochemical investigation of <i>Hemidesmus indicus</i> (L.) R. Br. and its evaluation for anti-obesity activity	2017
60	Eknath Bhanudas Kole	Phytochemical investigation and standardization of <i>Holoptelea integrifolia</i> Planch	2017
61	Upma Gulati	Design and synthesis of 2-styrylquinoline-3-hydrazide derivatives	2017
62	Priyanka Sharma	Design and synthesis of AdipoRon derivatives and AdipoRon inspired imperatorin derivatives	2018
63	Musande Kalpesh Satish	Isolation and characterization of secondary metabolites from Seabuckthorn fruits	2018
64	Purnima Gupta	Isolation and characterization of alkaloids from <i>Tinospora cordifolia</i> (WILLD.) MIERS. EX HOOK. F. & Thoms	2018
65	Ruchi Bajpai	Phytochemical investigation of <i>Punica granatum</i> L. peel	2018
66	Rakshit Ranjan	Isolation and characterization of glycosides from <i>Tinospora cordifolia</i> (WILLD.) MIERS. EX HOOK. F. and Thoms	2018
67	Gaurav	Isolation and characterization of secondary metabolites from leaves of <i>Carica papaya</i> L.	2018
68	Shubam Mehta	Isolation and characterization of lipids from <i>Hippophae rhamnoides</i> L. berries	2018
69	Gaurav Gopal Naik	Isolation and characterization of flavonoids from berries of <i>Hippophae rhamnoides</i> L.	2018
70	Jadhav Swati Appasaheb	Isolation of terpenoids from <i>Tinospora cordifolia</i> (Willd.) Miers.	2018