Prof. Inder Pal Singh

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Education

1994-1998	Ph.D. Natural Products Chemistry, Shizuoka University, Japan Advisor - Prof. Hideo Etoh, Thesis Title - Phloroglucinol compounds in *Eucalyptus* species as attachment-inhibitors against the blue mussel, *Mytilus edulis galloprovincialis*
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 *Saussurea lappa*
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 Fellow, Ministry of Education, Japan
1992-1994	Senior Research Fellow, 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
NIPER	Head, Department of Natural Products and In-Charge (Interim Period) Medical Devices	16.04.2024 - present
NIPER	In-Charge, Department of Pharmaceutical Analysis	October 2021 – 15.04.2024
NIPER	Associate Dean (Academic Affairs)	5.10.2023 – 10.02.2025

Areas of Interest

- Bioassay-guided isolation and structure elucidation of natural products
- Design and synthesis of bioactive natural products and their analogs
- Standardization of traditional Ayurvedic/ herbal formulations
- Development of phytopharmaceuticals and nutraceuticals
- Detoxification chemistry of poisonous medicinal plants
- qNMR analysis of plant extracts and herbal formulations
- Method development for identification of adulterants in botanicals

Recognitions (Past and Present)

- Honorary Visiting Professorship of Shizuoka University (April 2018 to present)
- Member, Senate, NIPER-SAS Nagar, Punjab

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- Faculty of Medicine, Punjabi University, Patiala
- Dean, Faculty of Pharmacy, MRS Punjab Technical University, Bathinda (2020-2023)
- Faculty, Pharmacy, Nirma University, Ahmedabad (2019-2022)
- Past Member, Board of Studies, UIPS, Panjab University, Chandigarh
- Past member of several task force and committees of DBT, DST, CSIR
- 2014 - Awarded three-year membership by American Chemical Society (2014-2017)
- 2012 - Biography profiled in Marquis' WHO's WHO in the World
- Member of various selection committees (faculty) in Universities/Research Institutes
- Editorial Board Member of Medicinal Chemistry, Bentham Science
- Editorial Board Indian Journal of Natural Products and Resources
- Biography profiled in Marquis' WHO's WHO Asia – 2007
- Referee for Journal of Natural Products, Bioorganic Chemistry, 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, ChemistrySelect etc.
- Member of various National and International Expert Committees
- Member, Review panel of various national and international funding agencies

Academic & Research Activities

- Research Projects Granted: 14 (including four international projects)
- Books (Co-authored/Co-Edited):
    - Stereochemistry. Narosa Publishers, New Delhi
    - Analytical Profiles of Selected Medicinal Plants. Studium Press (India) Pvt. Ltd.
    - Peppers: Biological, Health, and Postharvest Perspectives. Eds. Prasad S. variyar, Inder Pal Singh, Vanshika Adiani, and Penna Suprasanna, CRC Press, Taylor and Francis Group, 2024
- Research Papers: >135; Review Articles: 25; Book Chapters: 13
- One educational CD on HPLC training
- Invited/keynote/plenary lectures: >50
- Ph.D. students guided: 18 (completed); 9 (continuing)
- PDF/Research fellows guided: RA – 1; JRF - 2
- M.S. (Pharm.) students guided: >125 completed
- PhD Thesis evaluated: > 25; M.Sc./M. Pharm. Thesis evaluated: > 20
- Extramural research projects evaluated: International > 15; National > 50
- Patents: 4 (granted) 1 (filed)

Academic Contributions – Teaching

- Involved in teaching postgraduate and doctoral students in various chromatographic techniques and spectroscopic techniques. Ccourse 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)

Prof. Inder Pal Singh

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- Shizuoka University, Japan
- 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
- 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 (Co-edited/Co-authored):

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.
3. Variyar PS, Singh IP, Adiani V, Penna S. 2025, Peppers: Biological, Health and Postharvest Perspectives, CRC Press

Patents 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), Granted October 31, 2017
2. Singh IP, Bhutani KK, Mitra D, Bodiwala HS, Sabde S. Novel caffeoyl-anilides as Portmanteau inhibitors of HIV. Patent No. 339563 (application number – 2852/DEL/2010), Granted June 26, 2020.
3. Bhutani KK, Mitra D, Singh IP, Nafees, Sabde S. Novel anti-HIV compounds. Patent Number – 304819, (Patent application number – 1556/DEL/2009), Granted December 21, 2018.
4. Gopalakrishnan C, Bhutani KK, Kartha R, Singh IP. Novel polysaccharides with anti-oxidant property. Patent Number 256523, Granted on June 27, 2013.

Patent Applications Filed

1. Singh IP, Gore DD, Bansal AK, Tikoo KB, Jena GB, Pant R, Soni R, Jachak SM, Kumar D. Phytosomes of polyphenol enriched extracted fraction of *Hippophae rhamnoides* L. TEMP/E-1/23430/2023- DEL

Research Papers

Sr. No.	Authors	Title	Impact Factor
1	Talwar KK, **Singh IP,** Kalsi PS*urea lappa. Phytochemistry*	A sesquiterpenoid with plant growth regulatory activity from *Saussurea lappa. Phytochemistry,* **1992**, 31, 336-338. https://doi.org/10.1016/0031-9422(91)83069-W	**1.133**
2	**Singh IP,** Talwar KK, Arora JK, Chhabra BR, Kalsi PS	A biologically active guaianolide from *Saussurea lappa. Phytochemistry,***1992**,31,2529-2531. https://doi.org/10.1016/0031-9422(92)83317-R	**1.133**
3	**Singh IP,** Kalsi PS	A novel transesterification with diazomethane*. Indian Journal of Chemistry,* **1992**, 31B, 723-724. https://doi.org/10.1039/C4OB00943F	**0.275**
4	**Singh IP,** Goyal R, Anu, Kalsi PS	Reduction of terpenoid lactones with Na/MeOH*. Indian Journal of Chemistry,* **1993**, 32B, 1234-1236. 10.1002/chin.199418196	**0.275**
5	Sharma JR, **Singh IP,** Kaur G, Singh Anu, Kalsi PS	Terpenoids from costus root oil as potential antifungal agents*. Pesticide Research Journal,* **1993**, 5, 151-154.	--
6	Kalsi PS, Mittal V, **Singh IP,** Chhabra BR	Pseudoguaianolides from *Parthenium hysterophorus. Fitoterapia,* **1995,** LXVI, 94.	--
7	Kalsi PS, Sharma A, Singh A, **Singh IP,** Chhabra BR	Biogenetically important sesquiterpenes from *Cyperus rotundus*. *Fitoterapia,* **1995**, LXVI, 191.	--
8	**Singh IP,** Etoh H	New macrocarpal-am-1 from *Eucalyptus amplifolia. Bioscience Biotechnology Biochemistry,* **1995**, 59, 2330-2332. https://doi.org/10.1271/bbb.59.2330	**0.889**
9	**Singh IP,** Takahashi K, Etoh H	Potent attachment-inhibiting and -promoting substances for the blue mussel, *Mytilus edulis galloprovincialis*, from two	**0.913**

		species of *Eucalyptus. Bioscience Biotechnology Biochemistry,* **1996**, 60,1522-1523. https://doi.org/10.1271/bbb.60.1522	
10	**Singh IP,** Hayakawa R, Etoh H, Takasaki M, Konoshima T	Grandinal, a new phloroglucinol dimer from *Eucalyptus grandis. Bioscience Biotechnology Biochemistry,* **1997**, 61, 921-923. https://doi.org/10.1271/bbb.61.921	**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*, Mytilus edulis galloprovincialis. Natural Product Sciences,* **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 *Eucalyptus grandis. Phytochemistry,* **1998**, 47, 1157-1159. https://doi.org/10.1016/S0031-9422(98)80091-5	**1.179**
13	Umehara K, **Singh IP,** Etoh H, Takasaki M, Konoshima T	Five phloroglucinol-monoterpene adducts, from *Eucalyptus grandis. Phytochemistry,* **1998**, 49, 1699-1704. https://doi.org/10.1016/S0031-9422(98)00289-1	**1.179**
14	Terada Y, Saito J, Kawai T, **Singh IP,** Etoh H	Structure-activity relationship of phloroglucinol compounds from *Eucalyptus* as marine antifoulants. *Bioscience Biotechnology Biochemistry,* **1999**, 63, 276-280. https://doi.org/10.1271/bbb.63.276	**0.973**
15	**Singh IP,** Milligan KE, Gerwick WH	Tanikolide, a toxic and antifungal lactone from the marine cyanobacterium *Lyngbya majuscula. Journal of Natural Products,* **1999**, 62, 1333-1335. https://doi.org/10.1021/np990162c	**1.652**
16	**Singh IP,** Umehara K, Etoh H	Macrocarpals in *Eucalyptus spp*. As Attachment-inhibitors against the blue mussel. *Natural Product Letters,* **2000**, 14, 11-15. https://doi.org/10.1080/10575639908045428	**0.732**
17	Takasaki M, Konoshima T, Etoh H, **Singh IP**, Tokuda H, Nishino H	Cancer chemopreventive activity of euglobal-G1 from leaves of *Eucalyptus grandis*. *Cancer Letters,* **2000**, 155, 61-65. https://doi.org/10.1016/S0304-3835(00)00406-7	**1.741**
18	Ban T, **Singh IP**, Etoh H	Polygodial, a potent attachment-inhibiting substance for the blue mussel, *Mytilus edulis galloprovincialis* from *Tasmannia lanceolata. Bioscience Biotechnology Biochemistry.* **2000**, 64, 2669-2701. https://doi.org/10.1271/bbb.64.2699	**0.968**
19	Matsumoto T, **Singh IP**, Etoh H, Tanaka H	The first total synthesis of grandinal, a new phloroglucinol derivative isolated from *Eucalyptus grandis. Chemistry Letters*, **2001**, 210-211. https://doi.org/10.1246/cl.2001.210	**1.557**
20	Etoh H, Kondoh T, Noda R, **Singh IP,** Sekiwa Y, Morimitsu K, Kubota K	Shogaols from *Zingiber officinale* as promising anti-fouling agents, *Bioscience Biotechnology Biochemistry,* **2002**, 66, 1748-1750. https://doi.org/10.1271/bbb.66.1748	**0.968**
21	Williamson RT, **Singh IP,** Gerwick WH	Taveuniamides: new chlorinated toxins from a mixed assemblage of marine cyanobacteria. *Tetrahedron,* **2004**, 60, 7025-7033. https://doi.org/10.1016/j.tet.2004.02.076	**2.276**
22	Singh DD, Chitra G, **Singh IP,** Bhutani KK.	Immunostimulatory compounds from *Vitex negundo. Indian Journal of Chemistry,* **2005**, 44B, 1288-1290. http://nopr.niscpr.res.in/handle/123456789/9120	**0.446**
23	Bharate SB, Chauthe SK, Bhutani KK, **Singh IP***	An efficient two step synthesis of Jensenone isolated from *Eucalyptus jensenii*. Synthesis of analogues and evaluation as antioxidants. *Australian Journal of Chemistry,* **2005**, 58**,** 551-555. https://doi.org/10.1071/CH05061	**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. *Bioorganic & Medicinal Chemistry,* **2006**, 14, 1750-1760. https://doi.org/10.1016/j.bmc.2005.10.027	**2.662**

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25	Bharate SB, **Singh IP***	A two-step biomimetic synthesis of antimalarial robustadials A and B. *Tetrahedron Letters,* **2006**, 47, 7021 – 7024. https://doi.org/10.1016/j.tetlet.2006.07.113	**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. *Bioorganic & Medicinal Chemistry,* **2007**, 16, 87-96. https://doi.org/10.1016/j.bmc.2006.10.006	**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. *Indian Journal of Chemistry,* **2007**, 46B, 320-325. http://nopr.niscpr.res.in/handle/123456789/398	**0.368**
28	Bodiwala HS, Singh G, Singh R, Dey CS, Sharma SS, Bhutani KK, **Singh IP***	Antileishmanial amides and lignans from *Piper cubeba and Piper retrofractum. Journal of Natural Medicines,* **2007**, 61, 418-421. https://doi.org/10.1007/s11418-007-0159-2	**0.424**
29	Bharate SB, Khan SI, Tekwani BL, Jacob MR, Khan IA, **Singh IP***	*S*-Euglobals: biomimetic synthesis, antileishmanial, antimalarial and antimicrobial activities. *Bioorganic & Medicinal Chemistry,* **2008**, 1328-1336. https://doi.org/10.1016/j.bmc.2007.10.055	**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. *Tetrahedron Letters,* **2009,** 50, 5501-5504. https://doi.org/10.1016/j.tetlet.2009.07.075	**2.538**
31	Lal UR, Tripathi SM, Jachak SM, Bhutani KK, **Singh IP***	HPLC analysis and standardization of Arjunarishta – An Ayurvedic cardioprotective formulation. *Scientia Pharmaceutica,* **2009,** 77, 605-616.	--
32	Bodiwala HS, Sabde S, Mitra D*, Bhutani KK*, **Singh IP***	Anti-HIV diterpenes from *Coleus forskhlii. Natural Product Communications,* **2009,** 4, 1173-1175. https://doi.org/10.1177/1934578X0900400902	**0.746**
33	Kaur A, Singh R, Dey CS, Sharma SS, Bhutani KK, **Singh IP***	Antileishmanial phenylpropanoids from *Alpinia galanga (Linn*.) Willd. *Indian Journal of Experimental Biology,* **2010**, 48, 314-317. http://nopr.niscpr.res.in/handle/123456789/7407	**0.599**
34	Chauthe SK, Bharate, SB, Sabde S, Mitra D*, Bhutani KK, **Singh IP***	Biomimetic Synthesis and Anti-HIV Activity of Dimeric Phloroglucinols. *Bioorganic & Medicinal Chemistry,* **2010,** 18, 2029-2036. https://doi.org/10.1016/j.bmc.2010.01.023	**2.822**
35	Lal UR, Tripathi SM, Jachak SM, Bhutani KK, **Singh IP***	Chemical changes during fermentation of *Abhayarishta* and its standardization by HPLC-DAD. *Natural Product Communications,* **2010**, 5, 575-579. https://doi.org/10.1177/1934578X1000500417	**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. *Bioorganic & Medicinal Chemistry,* **2010,** 18, 2872 – 2879. https://doi.org/10.1016/j.bmc.2010.03.015	**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. *European Journal of Medicinal Chemistry,* **2010,** 45, 3439-3445. https://doi.org/10.1016/j.ejmech.2010.04.033	**3.269**
38	Sidana J, Rohilla RK, Roy N, Barrow RA, Foley WJ*, **Singh IP***	Antibacterial sideroxylonals and loxophlebal a from *Eucalyptus loxophleba foliage. Fitoterapia,* **2010**, 81, 878-883. https://doi.org/10.1016/j.fitote.2010.05.016	**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. *Bioorganic & Medicinal Chemistry Letters,* **2010**, 20, 4427-4431. https://doi.org/10.1016/j.bmcl.2010.06.057	**2.65**

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. *Bioorganic & Medicinal Chemistry Letters,* **2010**, 20, 4416-4419. https://doi.org/10.1016/j.bmcl.2010.06.052	**2.65**
41	Lal UR, Tripathi SM, Jachak SM, Bhutani KK, **Singh IP***	HPLC analysis of Jirakadyarishta and chemical changes during fermentation. *Natural Product Communications,* **2010**, 5, 1767-1770. https://doi.org/10.1177/1934578X1000501113	**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. *Canadian Journal of Pure and Applied Sciences,* **2010,** 4, 1249-1255.	--
43	Nafees A, Brahmbhatt K, **Singh IP**, Bhutani KK	Efficient chemoselective alkylation of quinolin-2,4-diol derivatives in water. *Journal of Heterocyclic Chemistry,* **2011**, 48, 237-240**.** https://doi.org/10.1002/jhet.364	**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. *Bioorganic & Medicinal Chemistry,* **2011,** 19, 1256–1263. https://doi.org/10.1016/j.bmc.2010.12.031	**2.822**
45	Ghagargunde KG, Sidana J, **Singh IP***	HPTLC fingerprinting and quantification of phenolics in Brahmarasayana – An Ayurvedic rejuvenator. *Analytical Chemistry Letters,* **2011**, 1, 123 – 129. https://doi.org/10.1080/22297928.2011.10648210	--
46	Kaur A, **Singh IP***	Densitometric determination of antileishmanial phenylpropanoids of *Alpinia galanga (Linn.) Willd. Journal of Planar Chromatography – Modern TLC,* **2011**, 24, 352-256. https://doi.org/10.1556/JPC.24.2011.4.15	**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. *Journal of Natural Medicines,* **2011**, 65, 3-4, 662-669. https://doi.org/10.1007/s11418-011-0513-2	**1.469**
48	Bodiwala HS, Sabde S, Mitra D*, Bhutani KK, **Singh IP***	Synthesis of 9-Substituted Derivatives of Berberine as Anti-HIV Agents. *European Journal of Medicinal Chemistry,* **2011**, 46, 1045-1049. https://doi.org/10.1016/j.ejmech.2011.01.016	**3.269**
49	Sidana J, Foley WJ, **Singh IP***	Quantitative analysis of euglobals *in Eucalyptus loxophleba* leaves by qNMR. *Natural Product Communications,* **2011**, 6, 1281-1284. https://doi.org/10.1177/1934578X1100600918	**0.894**
50	Bharate S, **Singh IP**	Quantitative structure–activity relationship study of phloroglucinol-terpene adducts as anti-leishmanial agents. *Bioorganic & Medicinal Chemistry Letters,* **2011**, 21, 4310-4315. https://doi.org/10.1016/j.bmcl.2011.05.053	**2.661**
51	Sidana J, Singh S, Arora SK, Foley WJ, **Singh IP***	Formylated phloroglucinols from *Eucalyptus loxophleba foliage. Fitoterapia,* **2011**, 82, 1118-1122. https://doi.org/10.1016/j.fitote.2011.07.009	**1.899**
52	Sidana J, Singh S, Arora SK, Foley WJ, **Singh IP***	Terpenoidal constituents of *Eucalyptus loxophleba ssp. Lissophloia. Pharmaceutical Biology,* **2012**, 50, 823-827. https://doi.org/10.3109/13880209.2011.636058	**0.878**
53	Sidana J, Foley WJ, **Singh IP***	Isolation and quantitation of ecologically important phloroglucinols and other compounds from *Eucalyptus jensenii. Phytochemical Analysis,* **2012**, 23, 483-491. https://doi.org/10.1002/pca.2345	**2.633**

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54	Bharti P, Anand V, Chander J, **Singh IP**, Singh TV, Tewari R	Heat stable antimicrobial activity of *Burkholderia gladioli* OR1 against clinical drug resistant isolates. *Indian Journal of Medical Research,* **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. *Bioorganic & Medicinal Chemistry Letters,* **2012**, 22, 2251-2256. https://doi.org/10.1016/j.bmcl.2012.01.089	**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 *Syzygium cumini L.* ('jamun', the Indian Blackberry). *Nutrition and Cancer: An International Journal,* **2012**, *64 (3) 428-438.* https://doi.org/10.1080/01635581.2012.657766	**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. *Phytochemical Analysis,* **2012**, 23 (6), 689-696. https://doi.org/10.1002/pca.2375	**2.633**
58	Kauser 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. *Cancer Letters,* **2012**, 325 (1), 54-62. https://doi.org/10.1016/j.canlet.2012.05.029	**4.86**
59	Aqil F, Jeyabalan J, Kausar H, Bansal SS, Sharma RJ, **Singh IP**, Vadhanam MV, Gupta RC	Multi-layer polymeric implants for sustained release of chemopreventives. *Cancer Letters,* **2012**, 326 (1), 33-40. https://doi.org/10.1016/j.canlet.2012.07.017	**4.86**
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Prof. Inder Pal Singh

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136	Saini K, Chauhan S, Dar MO, Gupta S, **Singh IP**, Rawal RK, Gupta N	*In silico* and *in vivo* evaluation of anti-arthritic effects of Bakuchiol from *Psoralea corylifolia* seeds in experimental rat model. *Chemistry and Biodiversity,* **2024**, e202401606 (1-10). doi.org/10.1002/cbdv.202401606	**2.3**
137	Kaur M, Chatterjee D, Singla S, **Singh IP***, Jena GB*	Coloprotective effects of chebulic myrobalan extract by regulation of AMPK-SIRT1 signalling: A pharmacological and histopathological evaluation. *Tissue and Cell,* **2024**, 91, 102592. doi.org/10.1016/j.tice.2024.102592	**2.7**
138	Tanwar AK, Chattrejee D, Jain N, Sharma S, Tikoo K, **Singh IP***	Chemical Basis of the Traditional Ayurvedic Detoxification Process of the Toxic Medicinal Plant *Plumbago zeylanica. Journal of Natural Products,* **2025,** 88, 15−23. https://doi.org/10.1021/acs.jnatprod.3c00975	**3.4**
139	Gore DD, Mishra N, Kumar D, Jena G, Jachak SM, Tikoo K, Bansal AK, **Singh IP***	Anti-inflammatory activity, stability, bioavailability and toxicity studies on seabuckthorn polyphenol enriched fraction and its phospholipid complex (Phytosomes) preparation. *International Journal of Biological Macromolecules.* **2025,** 139919. https://doi.org/10.1016/j.ijbiomac.2025.139919	**7.7**
140	Sengar N, Chatterjee J, Kumar R*, **Singh IP***	Synthesis and evaluation of bakuchiol tethered triazoles as cytotoxic agents. Synlett. 2025, Accepted	

Prof. Inder Pal Singh

https://scholar.google.co.in/citations?user=JOSz8WsAAAAJ&hl=en
https://www.researchgate.net/profile/Inder_Pal_Singh

Review Articles

Sr. No.	Authors	Title	Impact Factor
1	**Singh IP,** Etoh H	Biological activities of phloroglucinol derivatives from *Eucalyptus* spp. *Natural Product Sciences,* **1997**, 3, 1-7.	--
2	**Singh IP*,** Bharate SB, Bhutani KK	Anti-HIV natural products. *Current Science,* **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. *Natural Product Radiance,* **2005**, 4, 107-112. http://nopr.niscpr.res.in/handle/123456789/8070	--
4	**Singh IP*,** Bharate SB	Phloroglucinol compounds of natural origin. *Natural Product Reports,* **2006**, 23, 558 - 591. https://doi.org/10.1039/B600518G	**7.89**
5	**Singh IP*,** Sidana J, Bansal P, Foley WJ	Phloroglucinol compounds of therapeutic interest: global patent and technology status. *Expert Opinion on Therapeutic Patents,* **2009**, 19 (6), 847-866. https://doi.org/10.1517/13543770902916614	**1.335**
6	**Singh IP*,** Sidana J, Bharate SB, Foley WJ	Phloroglucinol compounds of natural origin: Synthetic aspects. *Natural Product Reports,* **2010**, 27, 393-416. https://doi.org/10.1039/B914364P	**9.202**
7	**Singh IP*,** Bodiwala HS	Recent advances in anti-HIV natural products. *Natural Product Reports,* **2010**, 27, 1781-1800. https://doi.org/10.1039/C0NP00025F	**9.202**
8	**Singh IP*,** Chauthe S	Small molecule HIV entry inhibitors - Part I: Chemokine receptor antagonists: 2004-2010. *Expert Opinion on Therapeutic Patents,* **2011,** 21(2), 227-269. https://doi.org/10.1517/13543776.2011.542412	**3.571**
9	**Singh IP*,** Chauthe S	Small molecule HIV entry inhibitors - Part II: Attachment and fusion inhibitors: 2004-2010. *Expert Opinion on Therapeutic Patents,* **2011,** 21(3), 399-416. https://doi.org/10.1517/13543776.2011.550876	**3.571**
10	**Singh IP*,** Mahajan S	Berberine and its derivatives: a patent review (2009-2012). *Expert Opinion on Therapeutic Patents,* **2013**, 23, (2), 215-231. https://doi.org/10.1517/13543776.2013.746314	**3.571**
11	**Singh IP*,** Choudhary A	Piperine and Derivatives: Trends in Structure-Activity Relationships. *Current Topics in Medicinal Chemistry*, **2015**, 15, 1722-1734. 10.2174/1568026615666150427123213	**3.453**
12	**Singh IP*,** Shah P	Tetrahydroisoquinolines in therapeutics: A patent review (2010-2015). *Expert Opinion on Therapeutic Patents*, **2017**, 27, 1, 17-36. https://doi.org/10.1080/13543776.2017.1236084	**4.626**
13	**Singh IP*,** Kumar S, Gupta S	Naphthyridines with Antiviral Activity - A Review. *Medicinal Chemistry*, **2017**, 13, 430-438. https://doi.org/10.2174/1573406412666161228112127	**2.331**
14	Saxena S, Chhiber M, **Singh IP**	Fungal bioactive compounds in pharmaceutical research and development. *Current Bioactive Compounds,* **2019,** 15, 2211-231. https://doi.org/10.2174/1573407214666180622104720	**1.309**
15	**Singh IP*,** Ahmad F, Gore D, Tikoo KB, Bansal AK, Jachak SM, Jena GB	Therapeutic potential of seabuckthorn: a patent review (2000-2018). *Expert Opinion on Therapeutic Patents,* **2019**, 29, 733–744. https://doi.org/10.1080/13543776.2019.1648434	**4.297**

16	**Singh IP***, Gupta S, Kumar S	Thiazole compounds as antiviral agents-An update. *Medicinal Chemistry,* **2020**, 16, 4-23. https://doi.org/10.2174/1573406415666190614101253	**2.53**
17	Mohi-ud-din R, Mir RH, Mir PA, Farooq S, Raza SN, Raja WY, Masoodi MH, **Singh IP**, Bhat ZA	Ethnomedicinal uses, Phytochemistry and Pharmacological Aspects of the Genus Berberis Linn: A Comprehensive Review. *Combinatorial Chemistry & High Throughput Screening*, **2021**, 24, 624-644. 10.2174/1386207323999201102141206	**1.339**
18	Mohi-ud-din R, Mir RH, Saba Sabreen S, Jan R, Pottoo FH,* Singh IP*	Recent Insights into Therapeutic Potential of Plant-Derived Flavonoids against Cancer. *Anti-Cancer Agents in Medicinal Chemistry,* **2022***,* 22*,* 3343-3369. 10.2174/1871520622666220421094055.	**2.505**
19	**Singh IP***, Singh V, Saini M	Natural Products with Potential in Parkinson's Disease. *Indian Forester,* **2022***,* 148(4), 245-255. https://doi.org/10.2174/1871520622666220421094055	**--**
20	Ranjana S, Goyal A, Jena GB, Tikoo KB, Bansal AK, **Singh IP,** Jachak SM	*Hippophae salicifolia* D. Don, a Fascinating Medicinal Plant: An Update on its Traditional Medicinal Uses, Ethnopharmacology and Phytochemistry. *Current Traditional Medicine*, **2023**, 9 (2), 19-32. 10.2174/2215083808666220527144311	**0.6**
21	Sharma R, Thakur S, Natish, Kumar M, Vamsi K, Jachak S, **Singh IP,** Kumar R.	Synthetic Modifications of Therapeutically Relevant Pre-assembled Cucurbitacins: Synthetic Strategies and Structure-Activity Relationships. *Journal of Molecular Structure*, **2024.** 138321. https://doi.org/10.1016/j.molstruc.2024.138321	**3.8**
22	Goel B, Tripathy N, Bhardwaj N, **Singh IP**, Jain SK	Semisynthesis: An Essential Tool for Antibiotics Drug Discovery. *ChemistrySelect*, **2024**, 9(23). https://doi.org/10.1002/slct.202400554	**2.1**
23	Tanwar AK, Sengar N, Mase N, **Singh IP***	Tetrahydroisoquinolines – an updated patent review for cancer treatment (2016 – present). *Expert Opinion on Therapeutic Patents*, **2024**, 34, 873-906. https://doi.org/10.1080/13543776.2024.2391288	**5.4**
24	**Singh IP***, Gotmare N, Yadav R, Sawant D	Identifying substitution and adulteration of some common medicinal plants – Part I. *Current Research & Information on Pharmaceutical Sciences (CRIPS),* **2024,** 47-70.	**--**

Book Chapters

Sr. No.	Authors	Title
1	**Singh IP,** Etoh H	Biofouling: screening of attachment-inhibitors and -promoters by using the blue mussel, *Mytilus edulis galloprovincialis.* 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	Euglobals - anti tumor promoters from *Eucalyptus* 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 *Eucalyptus*. In Bhojvaid et al (Eds) *Eucalypts* in India, ENVIS centre on Forestry, FRI, Dehradun, India. **2014**, 429-469.
11	**Singh IP**, Ahmad F, Chatterjee D, Bajpai R, Sengar N	Natural Products: Drug Discovery and Development. In. Ed. Poduri R. Drug Discovery and Development: From Targets and Molecules to Medicines. Springer Nature Singapore Pte Ltd. **2021**, 11-66.
12	**Singh IP*,** Gore DD, Karkhele S, Vairappan CS	The chemistry and pharmacology of mandarin orange (*Citrus reticulata*), In: Ed. Singh PP, Recent Advances in Pharmaceutical Innovation and Research. Springer Singapore, **2023**, 305-320.
13	Kumar S, Pathania I, Kamishima T, Koseki Y, Kasai H, **Singh IP***	Recent Advances in Anti-Infective Compounds Produced by Endophytic Fungi, In: Eds. Fungi Bioactive Metabolites: Integration of Pharmaceutical Applications, Springer Nature Singapore, **2024**, pp 29-83.
14	**Singh IP***, Mase, N, Tanwar AK, Sengar N, Chatterjee O	Chemical diversity and functionality of capsaicinoids. In: Eds. Variyar P. Singh IP, Adiani V, Penna S, Peppers: Biological, Health, and Postharvest perspectives. CRC Press, Taylor and Francis Group. Boca Raton London New York, **2024**, 40-64.
15	**Singh IP***, Rajput D, Chatterjee D	Analytical methods for capsaicinoids and other bioactive metabolites. In: Eds. Variyar P. Singh IP, Adiani V, Penna S, Peppers: Biological, Health, and Postharvest perspectives. CRC Press, Taylor and Francis Group. Boca Raton London New York, **2024**, 65-79.

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
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 sideroxylonals from *Eucalyptus loxophleba* 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 *Eucalyptus* 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 *Burkholderia gladioli* 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 *Potentilla fulgens* 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 *Rhodiola imbricata* and *R. heterodanta* (**2015**)	DIHAR, DRDO	PI
Biologically active secondary metabolites from *Codonopsis clematidea* of trans Himalayas (**2017**)	DIHAR, DRDO	PI
Development of herbal formulations from Seabuckthorn (**2017**)	DBT, New Delhi	PI and Project Coordinator
Isolation and characracterization of xanthine oxidase inhibitors from endophytic fungi for treatment of hyperurecemia and gout (**2017**)	DBT, New Delhi	PI

Industrial Consultancies

Title	Client
Quantification of Steviol glycosides in Chinese Steviol glycosides enriched extract **(2010)**	Stanpack Pharma Pvt. Ltd, Mumbai
Caralluma Herbal Project **(2010)**	Chemical Resources
HPLC analysis of polysorbate using ELSD **(2008)**	Panacea Biotech, Lalru
HPLC analysis of *Euphorbia prostata* 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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https://www.researchgate.net/profile/Inder_Pal_Singh

Selected Invited Lectures/Presentations (National & International)

1. Singh IP. Development of Wound Healing Herbal Formulation from Seabuckthorn. National Conference on 'Indigenous Technologies for Viksit Bharat' CHASCON-Basic Medical Sciences, Panjab University, Chandigarh 07.11.2024
2. Singh IP. On the Sodhana of Some Toxic Medicinal Plants. 2nd National Conference on Natural Products/AYUSH System of Medicine, 19th - 21st April 2024, PGIMER, Chandigarh.
3. Singh IP. Chemistry of Traditional Ayurvedic Detoxification Processes of Toxic Medicinal Plants. International Conference on Traditional Medicine & Phytopharmaceuticals. 11th International Congress of the Society for Ethnopharmacology. (ICTMP-SFEC 2024) 16th-18th February 2024, CSIR-IIIM, Jammu.
4. Singh IP. Development of Herbal Formulations from Seabuckthorn. 7th Nirma Institute of Pharmacy International Conference (NIPiCON 2024). "NextGen Therapeutics: Multidisciplinary Research Approaches for Drug Development and Delivery" Bridging the gaps: From Drug Discovery to Patient Care. Nirma University. February 07-09, 2024.
5. Singh IP. qNMR for quality control of medicinal plants and herbal products. Sunway University, Kuala Lampur, Malaysia. December 5, 2023
6. Singh IP. Herbal Formulations from Seabuckthorn. National Conference on Natural Products/ Ayush System of Medicine, PGIMER-Chandigarh. 20-21 June 2023
7. Singh IP. The Use of ^{1}HNMR in Pharmacopoeia Testing of Drugs and Herbals. IPC Interactive Meet on Pharmacopoeia Standards: Regulatory and Quality Considerations Indian Pharmacopoeia Commission (IPC), Ghaziabad. June 9, 2023.
8. Singh IP. Quantitative NMR and Standardization of Herbals. SPER Jamia Hamdard, New Delhi 11.03.2021
9. Singh IP. Emerging Techniques for Analysis of Herbals. *Analytical Techniques In the realm of Molecules & Materials* (ATRAMM-2021), SLIET, Longowal 26-31 July, 2021
10. Singh IP. Bioactive Natural Products from Endophytic Fungi. Professor Ram Chand Paul National Symposium "Emerging Chemical Innovations for Swachh, Swasth and Sarvatra Bharat" Feb 27-28, 2020, Panjab University, Chandigarh.
11. Singh IP. Standardization of *Seabuckthorn* and *Jamun* fruit Extracts. 7th International Congress of the Society for Ethnopharmacology, India (SFEC 2020). School of Pharmaceutical Education and Research, Jamia Hamdard, New Delhi, India in association with Society for Ethnopharmacology, India February 15-17, 2020.
12. Singh IP. TLC and HPTLC in Natural Product Research. Two Week Online Refresher Course on Basic Sciences (Physical, Chemical, Mathematical, Life Sciences and Sports) (22.9.2020 to 5.10.2020) GNDU-Amritsar, 03.10.2020
13. Singh IP. Metabolite Analysis of Some Selected Plants used in Traditional Medicines. Pharmacology of Natural Products - (5th IUPHAR WCP-NP-2019). Natural Products for Healthy Ageing: from Molecular Targets to Therapy. NIN-Hyderabad 06.12.2019
14. Singh IP. Bioactive molecules of natural origin. MEDCHEM-2019. Natural Product Prospecting for Therapeutic Applications. November 1-2, 2019
15. Singh IP. Quantitative Analysis of Secondary Metabolites in Plants. National Conference Recent Advances in Chemical and Environmental Sciences (RACES-2019), Multani Mal Modi College, Patiala. *11.04.2019*
16. Singh IP. Analytical Techniques for Chemical Fingerprinting of Plant Extracts. 6th International Conference on the Modernization Of Traditional Chinese Medicine. *Sichuan Academy of Chinese Medicine Sciences, Chengdu 21-22.10.2019.*

17. Singh IP. Analytical Techniques for Standardization of Herbal Drugs. National Workshop on Herbal Drugs: Issues and Challenges. *GNDU, Amritsar-16-20.09.2019*
18. Singh IP. Quantitative NMR and Standardization of Herbals. SPER Jamia Hamdard, New Delhi 11.03.2021
19. Singh IP. Emerging Techniques for Analysis of Herbals. *Analytical Techniques In the realm of Molecules & Materials* (ATRAMM-2021), SLIET, Longowal 26-31 July, 2021
20. Singh IP. Bioactive secondary metabolites from natural sources. Chemistry Biology Interface Synergistic New Frontiers (CBISNF-2019), 8th January 2019,
21. 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.
22. 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.
23. Singh IP. Natural Products – Drug Discovery and Development. Responsible Research and Innovations in Science and Technology (RRIST), Guru Nanak College, Budhlada. 18.03.2017
24. 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
25. 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
26. Singh IP. Structure Elucidation of Some Selected Natural Products by Spectral Methods. Department of Chemistry, PAU, Ludhiana. 02.02.2017
27. 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.
28. Singh IP. Diversity in Natural Products Research. 2016. Brain-storming session on 'Drugs from Sea'. CDRI, Lucknow, 21-23 January 2016.
29. 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.
30. Singh IP. Natural product analogs as potential anti-HIV agents. 17th December 2013. Georgia State University, Atlanta, USA.
31. Singh IP. Natural product based drug discovery. Technologies in carcinogenesis and chemoprevention. May 30-31, 2013. University of Louisville, USA.
32. 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.
33. Singh IP. Natural product based discovery of anti-leishmanial agents. Modi College, Patiala.3rd March 2012.
34. 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.
35. Singh IP. Avenues for an organic chemist – why become a scientist. DST-INSPIRE lecture at HNBU, Garhwal, 29th September 2011.
36. Afsana, Mittal N, Tewari R, Singh IP. Chemical investigation of *Burkholderia gladioli* OR-1. Presented at 14th Punjab Science Congress, Sangrur, Punjab, February 2011.

37. 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.
38. 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.
39. Sharma RJ, Gupta RC, and Singh IP. Densitometric determination of anthocyanins in *Eugenia jambolana*. DDNPTM, NIPER, S.A.S. Nagar, India, November 2010.
40. Aqil 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.
41. 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.
42. Chauthe SK., Mitra D, Bhutani KK, Singh IP. Simple, rapid, economical and enviornment 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.
43. 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.
44. 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.
45. 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.
46. 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.
47. 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.
48. 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.
49. 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.
50. Singh IP and Bharate SB. Biomimetic synthesis of naturally occurring phloroglucinol compounds. Presented at SLIET meeting on Green Chemistry, March 2007.
51. 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.
52. 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.

53. 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.

54. 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.

55. Bharate SB, Chauthe SK, Bhutani KK, Singh IP. Biomimetic synthesis and LC-MS assisted separation of euglobals G1-G4. Oral Presentation at ISMAS-WS 2004 on Mass Spectrometry, Shimla, India in October 2004.

56. 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.

Prof. Inder Pal Singh

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https://www.researchgate.net/profile/Inder_Pal_Singh

Current

PhD	PhD	Staff
Neha Sengar	Aditya	K. Prasanna
Ankur Kumar Tanwar	Sourav	Rakesh Kumar (JTA)
Dharmishta Rajput	Shilpa Ghosh	
Indu Pathania	Shivashish Sanone	
Parag Avhad		

Past students

PhD Students

Sr. No.	Name	Thesis title
1	Sandip B. Bharate	Design and biomimetic synthesis of phloroglucinol compounds for antiinfective agents **(2007)**
2	Uma Ranjan Lal	Development of analytical profiles of selected Arishtas **(2010)**
3	Hardik S Bodiwala	Natural products and their analogs as potential anti-HIV agents **(2011)**
4	Jasmeen Sidana	Phytochemical investigations on selected Eucalyptus species for potential anti-leshmanial activity **(2011)**
5	Siddheshwar K Chauthe	Design and synthesis of natural product analogues as potential anticancer and anti-HIV agents **(2012)**
6	Amandeep Kaur	Phytochemical investigations on selected medicinal plants for antileishmanial activity **(2012)**
7	Ram Jee Sharma	Studies on *Eugenia jambolana* derived anthocyanins- and anthocyanidins-enriched extracts: Standardization, biological evaluation and formulation development **(2015)**
8	Shivani Mahajan	Design and synthesis of natural product-based analogues as potential anti-protozoal and anti-HIV agents **(2016)**
9	Alka Choudhary	Phytochemical investigations of *Potentialla fulgens* and *Rhodiola imbricata* for selected biological activities **(2016)**
10	Shiv Gupta	Design and synthesis of anti-HIV natural product analogs **(2017)**
11	Ravi Kumar Mittal	Design, synthesis and in silico evaluation of substituted quinoline derivatives for anti-HIV activity **(2017)**
12	Isha Saraf	Phytochemical profiling of some Australian and Indian *Eucalyptus* Species **(2018)**
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 **(2018)**
14	Sanjay Kumar	Synthesis of Natural Product Analogs and Isolation of Secondary Metabolites from Endophytic Fungi for Biological Evaluation **(2018)**
15	Shweta Tiwari	Synthesis and Biological Evaluation of Phloroglucinol Derivatives and Nitrogen Containing Heterocycles **(2019)**
16	Soni Ranjana	Development of Herbal Formulations From *Hippophae Salicifolia* D.Don Leaves For Anti-Inflammatory And Wound Healing Activity **(2023)**
17	Dattatraya Dinkar Gore	Studies on Hippophae rhamnoides fruit derived oil, hydroalcoholic extract, polyphenol enriched fraction: Standardization, biological evaluation, and formulation development **(2023)**
18	Debanjan Chattrejee	Studies on the Chemistry of Ayurvedic Detoxification Processes of Toxic Medicinal Plants **(2024)**

M. S. (Pharm.) Students

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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 *Piper cubeba* and *Piper retrofractum*	2005
3	Nafees Ahmad	Synthesis of *O*-alkylated phloroglucinol derivatives as potential anti-malarial agents	2005
4	Jasmeen Sidana	Phytochemical investigations on *Eucalyptus loxophleba*	2006
5	Nisha Jambu	Isolation and characterization of marker constituents from Ayurvedic formulations *Arjunarishta*, *Rohitakrishta* and *Babbularishta*	2006
6	Amandeep Kaur	Phytochemical investigations on *Alstonia scholaris*	2007
7	Shreyans Jain	Synthesis and antileishmanial activity of Piperine-Amino acid conjugates	2007
8	Aniket Karmase	Phytochemical investigations of *Aegle marmelos*	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 *Eugenia jambolana*	2009
12	Maulik G. Patel	Phytochemical investigations of *Eucalyptus paniculata*	2009
13	Kiran Ghagargunde	Standarization of Ayurvedica formulation *Brahma Rasayana*	2010
14	Neha Jain	Chemical aspects of Ayurvedic Detoxification of *Plumbago zeylanica*	2010
15	Dharmendra Yadav	Synthesis of Naturally occurring Phloroglucinol glycosides	2010
16	Afsana	Chemical investigation of *Burkholderia gladioli*	2011
17	Aruna Meena	Standardization of Ayurvedic formulation *Dravyadi kvatha churna*	2011
18	Neeta Joshi	Chemical investigation of *Bacillus vallismortis*	2011
19	Rajesh Ghanta	Standardization of Ayurvedic formulation *Haritakiyadi churna*	2011
20	Vijay Rakholiya	Phytochemical investigation of *Eucalyptus tereticornis*	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 *Zingiber officinalis*	2012
25	Lokesh Joshi	Synthesis of Piperoyl- dipeptide conjugates for anti-leishmanial activity	2012
26	Priyanka Jindal	Standardization of *Vasant Malti Rasa* and *Phaltrikadi kwatha*	2012
27	Jyothsana	Standardization of Marketed samples of *Abhrak-bhasma* and *Dhantri lauh*	2012
28	G. Krishna Rajitha	Scale-up and preformulation studies on anti-HIV caffeoyl-anilide derivatives	2013

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29	Sourabh jain	Isolation and characterization of chemical constituents from aerial parts of *Tephrosia purpurea*	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 *Bacillus* sp. INM-1	2013
33	Sanjay Kumar	Scale-up and preformulation studies on anti-HIVphloroglucinol compounds	2013
34	Yogin Mevada	Finding a substitute of cow urine for Ayurvedic formulations	2013
35	Parikh Mayurkumar N	Isolation of marker compounds from *Andrographis paniculata* and *Butea monosperma*	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-(1*H*)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-ud-din	Development and standardization of liquid dosage form (syrup) of phaltrikadi kwatha	2014
42	Richa Baghel	Design and synthesis of analogues of piplartine for anti-leishmanial activity	2015
43	Revathi	Isolation of mangiferin from *Mangifera indica*	2015
44	Jignesh	Phytochemical investigations on *Euphorbia thymifolia*	2015
45	Chandresh	Evaluation of anti-eczematic activity of hydro-alcoholic extract of *Euphorbia thymifolia* and its prepared formulations in Eczema induced mice model	2015
46	Sarala	Phytochemical investigations on *Tephrosia purpurea*	2015
47	Jay A. Sompura	Chemical investigation of an endophytic fungus *Lasiodiplodia pseudotheobromae*	2016
48	Pratiksha Dilip Kamble	Isolation of compounds from *Hippophae rhamnoides* ssp. *turkestanica*	2016
49	Randhir Kumar	Isolation of anthocyanins from peels of *Solanum melongena*	2016
50	Avaneesh Kumar	Isolation of anthocyanins from *Punica granatum* seeds	2016
51	Aruna Hanumant Dhage	Phytochemical investigation of *Clerodendrum colebrookianum*	2016
52	Anjaly Maria	Isolation and characterization of secondary metabolites from endophytic fungus *Fusarium equiseti*	2017
53	Gayathri Gopi	Isolation, characterization and quantification of marker compounds from *Alstonia scholaris* stem bark	2017
54	Meena Kumari Chauhan	Isolation and characterization of chemical constituents of *Acalypha indica 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 *Euphorbia thymifolia*	2017
57	Sailaja N	Isolation, characterization and quantification of marker compounds from *Aegle marmelos* leaves and fruits	2017
58	Pagar Amol Dilip	Isolation and characterization of secondary metabolites from endophytic fungus *Lasiodiplodia pseudotheobromae*	2017
59	Rakesh Kumar	Phytochemical investigation of *Hemidesmus indicus* (L.) R. Br. and its evaluation for anti-obesity activity	2017
60	Eknath Bhanudas Kole	Phytochemical investigation and standardization of *Holoptelea integrifolia* 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 *Tinospora cordifolia* (WILLD.) MIERS. EX HOOK. F. & Thoms	2018
65	Ruchi Bajpai	Phytochemical investigation of *Punica granatum* L. peel	2018
66	Rakshit Ranjan	Isolation and characterization of glycosides from *Tinospora cordifolia* (WILLD.) MIERS. EX HOOK. F. and Thoms	2018
67	Gaurav	Isolation and characterization of secondary metabolites from leaves of *Carica papaya L.*	2018
68	Shubam Mehta	Isolation and characterization of lipids from *Hippophae rhamnoides* L. berries	2018
69	Gaurav Gopal Naik	Isolation and characterization of flavonoids from berries of *Hippophae rhamnoides* L.	2018
70	Jadhav Swati Appasaheb	Isolation of terpenoids from *Tinospora cordifolia* (Willd.) Miers.	2018
71	Vaishali Ramesh Chaudhari	Isolation and characterization of glycosides from roots of *Picrorrhiza kurroa* Royle ex Benth.	2019
72	B. Priyanka	Isolation and characterization of triterpene saponins from aerial parts of *Centella asiatica* (Linn.)	2019
73	Priyanka Narayan Shinde	Isolation and characterization of phenolics from berries of *Hippophae rhamnoides* (Linn.)	2019
74	Shubam Majumdar	Synthesis of adiporon based potential antidiabetic agents	2019
75	Hashmi Ismat Farheen	Standardization of plihari vati – an ayurvedic formulation	2019
76	Anjna Devi	Isolation and characterization of triterpenoid saponins from *Bacopa monnieri* (Linn.)	2019
77	Shreyanshi Kulshreshtha	Quantification of anthocyanins in the black wheat variety NABIMG-11	2020
78	Shwetali Rane	Phytochemical investigation of endophytic fungus *Muscodor albus*	2020
79	Ravi Adinarayan Somabattini	Phytochemical investigation, isolation and characterization of secondary metabolites from *Avicennia officinalis* L.	2020

80	Yadav Himanshi Chetan	Development of topical formulation of *Hippophae salicifolia* fruits	2020
81	Rudraneel Roy Chowdhury	Quantification of anthocyanins in advanced purple wheat variety	2020
82	Ravleen Kaur	Analysis of phytoconstituents in different ayurvedic dosage form (decoction and paste) of *Terminalia chebula*	2020
83	Pathan Rais Ansar	Development of phospholipid complex and self micro emulsifying drug delivery system (SMEDDS) from polyphenolic enriched fraction of *Hippophae salicifolia* fruits	2020
84	Soumita Sarcar	Phytochemical investigation of fruits of *Hippophae salicifolia* Linn.	2021
85	Deepti S Damodar	Evaluation of anti-ulcer activity of triphala (*Terminalia chebula*) and quantification of marker compounds from triphala	2021
86	Hanuman	Phytochemical investigation of *Tagetes erecta* Linn.	2021
87	Deepak Kumar	Phytochemical investigation of *Eclipta prostrata* (Linn.)	2021
88	Snehal Karkhele	Phytochemical investigation on peels *Citrus reticulata* Blanco.	2021
89	Andhale Reshma Ajinath	Phytochemical investigation of *Premna latifolia* Roxb.	2021
90	C. Lalhruaizeli	Phytochemical investigation of fruits from *Morus alba* Linn.	2021
91	Shayani Saha	Isolation and characterization of flavonoids and their glycosides from the fruits of *Hippophae rhamnoides* L.	2021
92	Naik Siddhi Sanjay	Formulation and evaluation of phytosome drug delivery system of *Hippophae rhamnoides* fruits	2021
93	Shivani Mourya	Large Scale Isolation & Characterization of Lignan from the seeds of *Linum usitatissimum* (Flax seeds)	2022
94	S. Madhu Manasa Reddy	Phytochemical Investigation of *Tagetes erecta* seeds	2022
95	Borade Prashant Chandrakant	Quantification of Phytoconstituents from *Murraya koenigii* &*Tinospora Cordifolia* by 1H qNMR Spectroscopy	2022
96	Arpit Mittal	Isolation and characterization of Chemical Constituents of *B. Cristata L.*	2022
97	Ashitosh Chandrakant Edake	Isolation and Quantitative Analysis of *Saccharum Spontaneum* for antiurolithiasis activity	2022
98	Muakan Saini	Identification of Phytoconstituents present in Leaves by LC-MS of Plant *Polyalthia Longifolia* and Quantification of two major Compound of Leaves by 1H-NMR	2022
99	Indu Pathania	Phytochemical Investigation of *Argyreia Speciosa*	2022
100	Shivani Bharat Jadhav	Quantitative Analysis of Esssential oil *Eucalyptus Tereticornis* Leaves by GC-MS and qNMR	2022
101	Poonam Thakur	Survey of Quality of Samples Marketed in Jan Aushadhi Stores	2022
102	Prajakta Shanker Handeshwar	Stress Testing on a Selected Drug and Establishment of SIM	2022
103	Durga Sumanth Pasupuleti	NMR Studies on Cyclodextrin Complex of Selected Drug	2022
104	Siddharth Raosaheb	Quantitative NMR analysis : Method Development and Validation	2022

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105	Priyanka Gulve	Isolation &Characterization of Phytoconstituents from *Argyreia Speciosa*	2023
106	Manolina Karmakar	The Isolation of Vasicine and Vasicinone from the Leaves of *Justica Adhatoda* and Quantification by HPLC	2023
107	Rutuja Bandal	Isolation &Characterization of Phloroglucinol Compounds from *Eucalyptus tereticornis Smith*	2023
108	Fahima Narzish	Quantification of Phytoconstituents from the Fruits of *Terminalia Chebula* by 1H qNMR &HPLC	2023
109	Hardeep Kaur Manchanda	Analysis of Herbal Formulation :Darkshavaleha	2023
110	Vishu Pal	Quantification of Phytoconstituents from Essential oil of *Cinnamomum Tamala Nee& Eberm* ,Leaves by qNMR Spectroscopy	2023
111	Chaitanya Nagulapalli	Development of Analytical Method for Standarization of *bilvadileha*	2023
112	Vivekananda Jena	Development of Analytical Methods for the Analysis of Marketed Ayurvedic Formulation - Vasavaleha	2023
113	Olivia Chatterjee	Comparative Analysis of Chemical Constituents of *Saraca Asoca De. Wilde* and *Polyalthia Longifolia* Thwaites Using NMR , FTIR, HPLC and HPTLC	2023
114	Abishek Gabba	Stability Testing of Biosimilar of Bevacizumab Bryxta	2023
115	Bedage Pooja Subhash	qNMR : Method Development and Validation for Selected Drugs and its Application on Marketed Formulations	2023
116	Gourav Gupta	Quality Survey of Top Selling Jan Aushadhi Drugs	2023
117	Mankar Santosh Ashok	Qualitative Study of Jan Aushadhi Drugs with Reference to I.P.	2023
118	Rishabh Sharma	Stability Testing of Marketed Formulations of *Terminalia Arjuna* and *Piper Nigrum*	2023
119	Neha Gotmare	Process Development for Large Scale Isolation of Ursolic acid	2024
120	Aniket R. Gujarathi	Isolation and Characterization of Tannins from Fruits of *Terminalia Bellirica*	2024
121	Chowdhery Aliya Samiallah	Process Development for Large Scale Isolation of Hesperidine &Chebulinic acid	2024
122	Divyesh Nikam	Quantification of phytoconstituents from *Citrus Limelta* Fruit Peel by qNMR	2024
123	Abishek Chhabra	Isolation and Characterization of Agnuside from *Vitex Negundo* and 6-gingerol from *Zingiber Officinalis*	2024
124	Tanu Kumari Singh	Isolation of Phytoconstituents from Fruits of *Embelica Officinalis*	2024
125	Abhijeet Vyawahara	Isolation and Characterization of Hydrostable Tannins from Fruits of *Terminalia Chebula*	2024
126	Ragini Yadav	Analytical Method Development for Detection and Identification of Adulteration and Substituents in Commercially Available Medicinal Plants *Plumbago Zeylanica* its Adulterant : *Plumbago Indica* ; Substituents *: Baliospermum Montanum* and *Achyranthus Aspera*	2024
127	Dhanashri Sawant	Development of Analytical Methods for the Identification of Adulterants from Commercially Available Medicinal Plants :	2024

		Piper Nigrum and its Adulterants *: Carica Papaya , Eleusine Coracana and Fagopyrum Esculentum*	
128	Musidipalli Sai	Quantification of phytoconstituents from the Fruits and Formulation of *Morinda Citrifolia* by 1H qNMR & HPTLC	2024
130	Biradar Suchita Ashok	Stability Testing on *Tinospora Cordifolia* and its Marketed Formulations	2024
131	Lingayat Abhishek	Stability Testing on *Adhathoda Vasaka* and its Marketed Formulations	2024
132	Dhanil Jose	Quantitative Nuclear Magnetic Resonance Spectroscopy : Method Development and Validation of Selected Drugs	2024
133	Gade Komal Vilas	Quantitative Nuclear Magnetic Resonance Spectroscopy : Method Development and Validation of Selected Drugs	2024
134	Kolhal Pratik Bhaskar	Preperation and Characterization of Sunitinib -β Cyclodextrin Complex	2024