

BIODATA



- Name (Designation, Department/Institute/University):**
Dr. Darshan Singh
Assistant Professor & Head
Department of Chemistry, Government Post Graduate
College, Bazpur, Udham Singh Nagar.
- Address of correspondence:** Assistant Professor & Head
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+917456949332
059442353756 (Residence)
- Date of Birth:** 01/02/1986
- Sex (M/F/T):** Male
- Category:** OBC
- Whether differently-abled (Yes/No):** No
- Education:**

S. No.	Exam.	Year	Board/College/Univ.	Division	%	Subjects
1.	Intermediate	2002	Uttarakhand Board	First	66.0	Chemistry Physics Biology
2.	B.Sc.	2005	D. S. B. Campus, Kumaun University, Nainital	First	65.5	Zoology Botany Chemistry
3.	M.Sc.	2008	D. S. B. Campus, Kumaun University, Nainital	First (Gold Medal)	69.3	Organic Chemistry
4.	B. Ed.	2009	M.B.P.G. College Haldwani Kumaun University, Nainital	Second (Theory) First (Practical)	59.0	Science
5.	Ph. D.	2014	D. S. B. Campus, Kumaun University, Nainital	Na	na	Chemistry

9. Ph. D. details:

Thesis Title: “Phytoconstituents and bioactivity Examination of some *Pteris*, *Thalictrum*, *Salvia*, *Caryopteris* and *Grangea* species”

Research Guide Name: Prof. C. S. Mathela, Emeritus Scientist

Institute: Chemistry Department, D. S. B. Campus, Kumaun University, Nainital.

Year of Award: 2014

10. Work experience (in chronological order):

S.No.	Positions held	Name of Institute	From	To	Pay Scale
1.	JRF	D. S. B. Campus, Kumaun University, Nainital	11/07/2009	10/07/2011	NA
2.	SRF	D. S. B. Campus, Kumaun University, Nainital	11/07/2011	25/05/2014	NA
3.	Assistant Professor	Surajmal Agrawal Kanya Mahavidhyalaya, Kiccha	02/08/2014	30/09/2016	NA
4.	Director	Shri Ram Institute Rudrapur	01/10/2016	28/07/2019	NA
5.	Assistant Professor	Government Post Graduate College, Dwarahat, Almora	05/03/2020	28/07/2024	57700- 182400
6.	Assistant Professor	Government Post Graduate College, Bazpur	29/07/2024	Present	57700- 182400

11. Professional Recognition/ Awards/ Prize/ Certificate, Fellowship received by the applicant.

S.N.	Name of Award	Awarding Agency	Year
1.	Gold Medal (First rank in university)	Kumaun University Nainital	2008
2.	Young Scientist Award	Uttarakand State Council for Science and Technology, Dehardun	2010
3.	INSPIRE Fellowship Award for Ph. D. degree	Department of Science and Technology, New Delhi	2010

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| 4. | Hope Meetings Award | Department of Science and Technology, New Delhi | 2012 |
| 5. | Participation in 4 th HOPE Meeting, Japan | Japan Society for Promotion of Science, Japan | 2012 |
| 6. | Life member | Indian Science Congress association | 2012 |
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12. Publications (Numbers only) Total: 32
 Books: 03 Research Papers: 13
 Book Chapters: 03 General articles: 0
 Others (*Please specify*): 13 (Research papers in International/ National Conferences and seminars)

Research papers in SCI Indexed/ Scopus/Web of Science/ UGC care listed journals

S. No.	Authors (s)	Title	Journal Name	Volume	Page No.	Year
1.	Darshan Singh, C.S. Mathela, Amit Panwar and Veena Pande	Sesquiterpene hydrocarbon rich essential oils of <i>Caryopteris odorata</i> (D. Don) Robin.: Chemical composition, antioxidant and antimicrobial activity	Journal of Essential Oil Research	26 (4)	274-281	2014
2.	Vinod Kumar, C.S. Mathela, Geeta Tewari, Darshan Singh	Antifungal activity of <i>Nepeta elliptica</i> Royle ex Benth. oil and its major constituent (7R)-trans,trans-nepetalactone: A comparative study	Industrial Crops and Products	55	70-74	2014
3.	Vinod Kumar, C.S. Mathela, Geeta Tewari, Darshan Singh, A.K. Tewari, K.S. Bisht	Chemical composition and antifungal activity of essential oils from three Himalayan <i>Erigeron</i> species	LWT - Food Science and Technology	56(2)	278-283	2014
4.	Darshan Singh, Balam Singh Bisht and Vinod Kumar	Terpenoid Composition of <i>Salvia plebeia</i> R. Br.: Its Antioxidant and Antifungal Potential	Records of Agricultural and food Chemistry	4(1)	1-11	2024
5.	Balam S. Bisht, Darshan Singh, Chandra S. Mathela	Terpenoid diversity and antimicrobial activity of five Himalayan <i>Senecio</i> species	Journal of Essential Oil Bearing Plants	26(4)	946-957	2023

6.	B. S. Bisht, Darshan Singh, Amit Panwar	Antibacterial and Antifungal Activity of the Essential oil of Himalayan Teucrium quadrifarium Buch. Ham. ex. D. Don.	Journal of Interdisciplinary Cycle Research	13(9)	1117 - 1126	2021
7.	Balam singh Bisht, Darshan Singh, Chandra S. Mathela and Amit Panwar	Sesquiterpene lactones of Saussurea lappa (Decne.) Sch.Bip, and comparative antimicrobial activity of its root oil and extracts	Journal of Essential Oil & Plant Composition	1(2)	89-96	2023
8.	Poonam Kushwaha, Darshan Singh, Ganga Bisht	Chemical composition of volatile extract of Gnaphalium luteo-album l. and its antibacterial activity	Journal of Drug Discovery and Therapeutics	3(30)	23-28	2015
9.	Darshan Singh, Satish C. Sati and Manisha D. Sati	<i>In-vitro</i> antibacterial and antifungal activity of <i>Senecio chrysanthemoides</i>	World Journal of Pharmaceutical Research	6(5)	663-668	2017
10.	Patel C., S. Tyagi, N. Halligudi, J. Yadav, S. Pathak, S. P. Singh, A. Pandey, Darshan Singh K., P. Shankar	Antioxidant Activity of Herbal Plants: A Recent Review	Journal of Drug Discovery and Therapeutics	1 (8)	01-08	2013
11.	Darshan Singh, Chandra Shekhar Mathela, Veena Pande, Amit Panwar	Antioxidant and antimicrobial activity of <i>Grangea maderaspatana</i> (L.) Poir. Extract	Journal of Drug Discovery and Therapeutics,	1 (7)	46-52	2013
12.	Poonam Kushwa, Darshan Singh Ganga Bisht	Chemical Composition of Volatile Extract of <i>Erigeron Bonariensis</i> and Its Antimicrobial Activity	International Journal of Research in Medical and Basic Sciences	2(7)	1-11	2016

13.	Krishna K. Singh, Darshan Singh , Kamal Pandey and Chandra S. Mathela.	Antibacterial activity of α -oxobisabolene and their newly synthesized analogs”	Recent development in material science.	1	279-285	2011
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Books Published

S. No.	Title	Authors	Publishers	ISBN No.	Year
1.	Group Theory and Analytical Chemistry	Dr. Darshan Singh	Kunal Books	978-93-91908-70-6	2022
2.	Climate Change: Its Impact on bioresources of Himalayan region	Dr. Darshan Singh, prof. Avinindra Kumar Joshi, Dr. Balam Singh Bisht, Prof. G.C. Shah	Kunal Books	978-93-95651-65-3	2022
3.	Abstract Book of Conference on Climate Change: Its Impact on Bioresources of The Himalayan Region (CCIBHR-2022)	Dr. Darshan Singh	Kunal Books	-	2022

Book Chapters Published

S. No.	Title	Chapter Name	Author	Publisher	ISBN No.	Year
1.	Chemistry of Natural Products & Heterocyclic Compounds (Elective)	Unit 7. Heterocyclic Synthesis	Dr. Darshan Singh	Uttarakhand Open University	Uttarakhand Open University study material	2023
2.	Chemistry of Natural Products & Heterocyclic Compounds (Elective)	Unit 8. Small Ring Heterocycles	Dr. Darshan Singh	Uttarakhand Open University	Uttarakhand Open University study material	2023

3.	Terpenoid Constituents of leaf, Flower, Stem Essential oils of <i>Caryopteris</i> <i>Odorata</i>	Same	Darshan Singh	M/s Bishan Singh Mahendra pal Singh Publisher & distributor of scientific books, Dehradun	978-81-211- 0887-4	2014
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Papers published in Conferences/Seminar/Symposium

1. Poster presentation in Vth Uttarakhand State council for Science and technology congress, 10-12 November-2010 on topic “Sesquiterpene hydrocarbon rich volatile constituents of *Caryopteris odorata*.” By **Darshan Singh**. (**Young scientist award**)
2. Poster presentation in IVth Uttarakhand State council for Science and technology congress, 10-12 November-2009 on topic “Synthesis, characterization and in-vitro antibacterial studies of piperazine derivatives” by K.K. Singh and **Darshan Singh**.
3. Poster presentation in International **fourth HOPE Meeting 7-11 March 2012** in Japan Society for Promotion of Science, Sukuba Japan on topic “Isolation, X-Ray analysis and antioxidant activity of Pterisin F from volatile extract of Himalayan fern *Pteris cretica* L.” by **Darshan Singh**
4. Oral presentation in National Seminar on Chemistry Biology interface: recent trends, October 18-30, 2010 on topic “Terpenoid constituents and antimicrobial activity of *tanacetum longifolium*” by **Darshan Singh**, B. S. Bisht and R. K. Joshi.
5. Attended National Seminar on Hyphenated Mass Spectrometry techniques at SAIF, Central Drug Research Institute, Lucknow from 11th to 12th January 2011.
6. Oral presentation in VIth Uttarakhand State council for Science and technology congress, 13-15 November-2011 on topic “Chemical composition and antioxidant activity of *grangeamaderaspatana*(l.) poir.” By **Darshan Singh** and B. S. Bisht .
7. Poster presentation in National conference on Recent trends in chemistry biology interface, 3-5 November-2011 on topic “Chemical constituents and antioxidant activity of *Caryopteris odorata* (HAM. EX. ROXB) ROB” By **Darshan Singh** and Vinod Kumar.
8. Poster presentation in International conference on Green technologies and environmental rehabilitation, 11-13 February-2012 on topic “Terpenoid diversity in Himalayan *Thalictrum reniforme* Wall.” By **Darshan Singh** and Vinod Kumar.

9. Oral presentation in national conference on Recent development in material science. 11-12 February 2011 on topic “Antibacterial activity of α -oxobisabolene and their newly synthesized analogs”. Krishna K. Singh, **Darshan Singh**, Kamal Pandey and Chandra S. Mathela.
10. Oral presentation in international conference on Emerging trends in STEM & health Agri sciences for sustainable development on topic “Terpenoid Composition, Antioxidant and antifungal activity of *Salvia plebeia*” date 11-12 March 2024.
11. Oral presentation in international seminar on Innovative perspectives of raising scientific research system in India on topic “Chemotypes and *In-vitro* antimicrobial activity of *Thalictrum reniforme* Wall. Essential oil from India Himalayas” date 8-9th July 2022.
12. Oral Presentation in “One Day National Workshop” on topic “Adverse Impacts of Narcotic Drugs on the Physiology of Human Body” Date 15th July 2023.
13. Participated in one day state level program on topic “Ikkisavi shatabdi ki Chunotiyan evam Ucch shiksha ke Madhyam se rashtra nirman” on date 05 August 2020.

Conferences/workshops Organized as organizing secretary:

1. Two Days National conference on “Climate Change: Its Impact on Bioresources of Himalayan Region” Funded by USERC Dehradun and UCOST Dehradun on 5 to 6 June 2022 at Government Post Graduate College Dwarahat.
2. Four days workshop on “Online Teaching Methods” from 17 to 20 August 2020 at Government Post Graduate College Dwarahat.
3. Two Days International seminar on Disaster Management and Development from 27 to 28 November 2022 at Government Post Graduate College Dwarahat..

Delivered Invited Lectures/ Chaired Sessions in Conferences/ Seminars

1. Invited lecture in National Conference on Himalayan Ecosystem: Threats, Resilience, and Sustainable Management on topic “Essential oil composition of *Salvia Plebeia*” on date 26 to 27 February 2024 at Government Post Graduate College Nagnath Pokhari.
2. Chaired A session in International conference on “Emerging Trends in STEM & Health Agri Sciences for Sustainable Development” on date 11-12th March 2024 at MIET Kumaun Haldwani.

3. Chaired a session in “Pathya Sahgami Pratibhag” progaramme at Government Post Graduate College Dwarahat.
4. Key Note Lecture in one day NAAC workshop on Date 25 May 2023 at Government Degree College Talwari.
5. Key Note Lecture in one day NAAC workshop on Date 18 July 2023 at Government Degree College Someshwar.
6. Key Note Lecture in one day NAAC workshop on Date 27 August 2023 at Government Post Graduate College Halduchaur.
7. Delivered Lecture in one day NAAC workshop on Date 6 May 2023 at Government Degree College Bazpur.
8. Invited speaker in “Carrier Guidance Program” on date 25 January 2024 at Government Inter College Asgoli, Dwarahat.

13. Ongoing Research Projects Details

S. No.	Project Title	PI Name	CO-PI Name	Amount Status	Date Of Start	Date Of Completion	Funding Agency
1.	Development of New Green Medicines/ Formulations from Unused Natural Resources and Their Chemical Profiling for Quality Control	Dr. Darshan Singh	NA	2,00,000/-	01/09/2022	30/08/2023	Uttarakhand Science Education and Research Center, Dehradun

14. Research Experience in various instrumentations

Twelve years experience of following research skills:

- Extraction techniques of natural products.
- Chromatographic techniques viz. column chromatography, thin layer chromatography, paper chromatography.
- Characterization of natural products by Mass spectroscopy, Infrared spectroscopy, NMR, X-Ray Crystallography, etc.

Six years experience of (Instrument handling & interpretation of data) following Instruments:

- ✓ GC Nucon 5765.
- ✓ GC-MS Thermofiniganmetpolaris Q.
- ✓ FT-IR Perkin elmer.
- ✓ HP-LC Thermo electron.

15. Personal Vitae

- ✓ Father's Name : Late Mr. Ram Chandra
- ✓ Mother's Name : Mrs. Jamana Devi
- ✓ Date of Birth : 1 February 1986
- ✓ Gender : Male
- ✓ Languages : Hindi, English, Panjabi
- ✓ Hobbies : Poetry, Music, and Swimming
- ✓ Nationality : Indian
- ✓ Material status : Married
- ✓ Permanent Address : Vill.- Sisona P.O.- Sitarganj
Distt. U.S.Nagar, Uttarakhand
Pin: 262405

Declaration

I hereby declare that the details furnished above are true and correct.

(Dr. Darshan Singh Kamboj)