

BIODATA



1. **Name**(Designation, Department/Institute/University):**Dr. Darshan Singh**
Assistant Professor & Head

Department of Chemistry, Government Post Graduate
College, Dwarahat, Almora.

2. **Address of correspondence:**Assistant Professor & Head

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3. **Email(s) and contact number(s):** kambojdarshan@gmail.com

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059442353756 (Residence)

4. **Date of Birth:** 01/02/1986

5. **Sex (M/F/T):** Male

6. **Category:** OBC

7. **Whether differently-abled (Yes/No):**No

8. 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”

Guide’s 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	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
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

12. Publications (Numbers only) Total: 21

Books : 01 (in Press)

Research Papers: 10

Reports : 0

General articles : 0

Patents : 0

Others (*Please specify*) : 10 (Research papers presented in International/ National Conferences and seminars)

SCI Indexed International Publications:

S. No.	Autour(s)	Title	Journal Name	Volume	Page No.	Year
1.	Darshan Singh, C.S. Mathelaa, Amit Panwarb 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.	Darshan Singh, Christian P. Müller, Balasingam K. Vicknasingama	Kratom (<i>Mitragyna speciosa</i>) dependence, withdrawal symptoms and craving in regular users	Drug and Alcohol Dependence	139	132–137	2014
3.	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
4.	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	2013

13. Other Informations**(i).List of other important publications**

- Darshan Singh**, Chandra Shekhar Mathela, Veena Pande, Amit Panwar, Antioxidant and Antimicrobial Activity of *Grangeamaderaspatana*(L.) POIR. Extract. *Journal of Drug Discovery and Therapeutics* 1 (7) 2013, 46-52.

<https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.973.2507&rep=rep1&type=pdf>

2. 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 Volume XIII, Issue IX, September/2021. [DOI:18.0002.JICR.2021.V13I9.008301.317123511](https://doi.org/10.18002/JICR.2021.V13I9.008301.317123511)
3. Poonam Kushwaha, **Darshan Singh** and Ganga Bisht, Chemical composition of volatile extract of *Gnaphalium luteo-album* L. and its antibacterial activity. Journal of Drug Discovery and Therapeutics, Volume 3, Issue 30, July, 2015, 23-28. <https://www.jddt.in/index.php/jddt/article/view/250/244>
4. **Darshan Singh**, Satish C. Sati and Manisha D. Sati, IN VITRO ANTIBACTERIAL AND ANTIFUNGAL ACTIVITY OF *SENECIO CHRYSANTHEMOIDES*, *World Journal of Pharmaceutical Research*, Vol 6, Issue 5, 2017. <https://doi.org/10.20959/wjpr20175-8351>
5. “Terpenoid constituents of leaf, flower and stem essential oils of *Caryopteris odorata* (D. DON) ROBIN.” **Darshan Singh**. Proceedings of 6th Uttarakhand science & technology congress 2010.
6. “Antibacterial activity of α -oxobisabolene and their newly synthesized analogs”. Krishna K. Singh, **Darshan Singh**, Kamal Pandey and Chandra S. Mathela. Recent development in material science. Vol. 1, 2011 pp. 279-285.

(ii). Conferences/ workshop/Seminar/Symposium/Publications

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) ROBIN” 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.

(iii). Research Experience in various institutions

Twelveyears 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) the following Instruments:

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

(iv). 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

14. Ongoing 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