

Dr. Rajendra Singh Chauhan



- **Profile Summary**

Dr. Rajendra Singh Chauhan is an Assistant Professor in the Department of Plantation Crops, Spices, Medicinal and Aromatic Plants, specializing in Medicinal and Aromatic Plants.

He got Ph.D. degree from High Altitude Plant Physiology Research Centre (HAPPRC), HNB Garhwal (Central) University, Srinagar on the topic 'Ecophysiology, Agro-technology and Trade of an endangered medicinal herb *Nardostachys jatamansi* DC.'. Later on, worked as Research Associate in Indian Institute of Integrative Medicine (CSIR), Jammu and HAPPRC, Srinagar. He presented his research at various national & international Journals of repute, conferences, Seminars and invited lectures.

He is actively involved in teaching, research and extension activities with a strong focus on integrating theoretical knowledge to practical applications to address problems and challenges in domestication & cultivation of RET Medicinal and Aromatic Plants.

- **Research Interests/ Specialization**

Survey, Characterization, Sustainable Utilization, Conservation & Cultivation of Medicinal and Aromatic Plants in respect to Adaptive biology, Agrotechnology and Secondary metabolites.

- **Recent Publications**

(Published Papers in Referred/Journals notified by UGC) recent 5 years/ 5 Papers

Sr.No.	Title of Paper	Journal	ISSN No.	Volume No.	Year Of Publications
1	Variability and heritability for yield and yield attributing character in an endangered medicinal herb <i>P. kurrooa</i> Royle ex Benth under cultivation in Bharsar, Uttarakhand, Western Himalaya, India.	Genetic Resources and Crop Evolution	0925-9864	72 (7), 8079 - 8099	2025
2	Essential oil composition of roots of <i>Heracleum candicans</i> Wall. from cultivated source	J. Essential Oil Bearing Plants	0972-060X	21(4), 1056-1061	2018
3	First account of vivipary in <i>Saussurea lappa</i> (Decne.) Sch. Bip. (Asteraceae)	Braz. J. Botany	0100-8404	41(2), 507-514	2018

4	Variation in the active compounds among natural populations of <i>Swertia cordata</i> .	Ind. J. Nat. Prod. & Resources	0976-0504	8(3), 224-229	2017
5	Variation in the essential oil composition of <i>Angelica archangelica</i> from three different altitudes in Western Himalaya, India	Industrial Crops and Products J.	0926-6690	94, 401-404	2016

- **Education**

Exam Passed	University	Subjects
M. Sc.	H.N.B. Garhwal University, Srinagar	Botany
Ph. D.	H.N.B. Garhwal University, Srinagar	Ecophysiology, Agro-technology and Trade of an endangered medicinal and aromatic herb <i>Nardostachys jatamansi</i> DC.

- **Work History**

Academic Experience			
Duration (From-To)	Post	Organization	Nature
12.08.2024-Continue	Assistant Professor	College of Horticulture, VCSG Uttarakhand University of Horticulture & Forestry, Bharsar	Permanent
11.08.2012-11.8.2024	Assistant Professor	College of Horticulture, VCSG Uttarakhand University of Horticulture & Forestry, Bharsar	Contract
16.4.2008-30.09.2011	Research Associate	H.A.P.P.R.C, HNB Garhwal University, Srinagar	Contract
12.04.2006-31.03.2008	Research Associate	CSIR- Indian Institute of Integrative Medicine, Jammu	Contract
16.12.98-30.04.05	Sr. Research Fellow	H.A.P.P.R.C, HNB Garhwal University, Srinagar	Contract

Administrative experience

Duration	Post	Organization
August 2012 to continue	I/C- PSMAPs	College of Horticulture, VCSG Uttarakhand University of Horticulture & Forestry, Bharsar
August 2012 to continue	OIC-AICRP on MAPs & B Project	College of Horticulture, VCSG Uttarakhand University of Horticulture & Forestry, Bharsar
June 2024 to continue	OIC- Dairy	College of Horticulture, VCSG Uttarakhand University of Horticulture & Forestry, Bharsar
September 2024 to continue	I/C Research	College of Horticulture, VCSG Uttarakhand University of Horticulture & Forestry, Bharsar
April 2025 to continue	Account Officer	College of Horticulture, VCSG Uttarakhand University of Horticulture & Forestry, Bharsar
October 2018 to May 2024	OIC- Security	College of Horticulture, VCSG Uttarakhand University of Horticulture & Forestry, Bharsar
June 2016 to September 2018	OIC-Guest House	College of Horticulture, VCSG Uttarakhand University of Horticulture & Forestry, Bharsar
August 2012 to June 2013	OIC-Staff Welfare & Hospital	College of Horticulture, VCSG Uttarakhand University of Horticulture & Forestry, Bharsar

- Thesis Supervision**

Name of student guided in M.Sc.	ID No.	University	Year of award	Thesis title
Ms. Sonali Rana	13161	UUHF, Bharsar	2015	Assessment of Economic yield in <i>Digitalis purpurea</i> L. under different levels of farm yard manure (FYM)
Ms. Megha Sati	13164	UUHF, Bharsar	2015	Effect of organic manures on growth performance of <i>Hedychium spicatum</i>
Ms. Niki Nautiyal	13165	UUHF, Bharsar	2015	Effect of nitrogen level and plant spacing on growth and yield of Turmeric (<i>Curcuma longa</i> L.)
Ms. Shamli Dobhal	14147	UUHF, Bharsar	2016	Effect of organic manures on growth & yield of holy Basil
Mr. Silaru Raghuveer	15253	UUHF, Bharsar	2017	Genetic evaluation of various genotype of chilli in temperate condition
Ms. Divya Khali	15252	UUHF, Bharsar	2017	Response of sowing time and plant spacing on growth and yield of fenugreek (<i>Trigonella foenum-graecum</i> L.)

Mr. Chayan Sarkar	15250	UUHF, Bharsar	2017	Effect of panchagavya on seedlings growth of <i>Nardostachys jatamansi</i> DC.
Mr. Sharanbassu	16263	UUHF, Bharsar	2018	Effect of Rhizobium Seed Treatment and Foliar Application of Nitrogen in Fenugreek (cv. <i>Ajmer Fenugreek-1</i>)
Ms. Deepika Kukshal	17246	UUHF, Bharsar	2019	Effect of Integrated Nutrient management on Growth Yield and Economics of Fenugreek (<i>Trigonella foenumguacum</i> L.)
Ms. Shweta Negi	17248	UUHF, Bharsar	2019	Studies on floral Biology and Pollination Behaviour of Chamomile (<i>Matricaria chamomilla</i> L.)
Ms. Durga Rawat	17249	UUHF, Bharsar	2019	Growth and Production of Chamomile (<i>Matricaria chamomilla</i> L.) under the Influence of organic manures
Ms. Neha Bhatt	18248	UUHF, Bharsar	2020	Seed Germination of Foxglove (<i>Digitalis purpurea</i> . L) under the Influence of different doses of organic manures.
Ms. Poonam Chand	18251	UUHF, Bharsar	2020	Effect of different doses of organic manure on growth & foliage production of kasuri methi (<i>Trigonalla corniculata</i>) at temperate region of Bharsar
Mr. Hansveer	18252	UUHF, Bharsar	2020	Effect of different Plant growth hormones on seed germination and seedling growth of <i>Hedichium spicatum</i> under mid hill condition of Uttarakhand
Mr. Ajay Hemdan	18246	UUHF, Bharsar	2020	Evaluation of <i>Picrorhiza kurrooa</i> in Bharsar, Uttarakhand
Ms. Ruchika Dangwal	19251	UUHF, Bharsar	2021	Effect of Different Temperature Regimes and Chemicals on Seed Germination Behaviour of <i>Hippophae salicifolia</i> D. Don
Mr. Parveen Kaprwan	19250	UUHF, Bharsar	2021	Identification of marketing of Medicinal and Aromatic Plants in Joshimath block of district Chamoli
Ms. Priyanka Sharma	20248	UUHF, Bharsar	2022	Effect of different Temperature and Chemicals on seed Germination behaviour of <i>Carum Carvi</i> L.
Mr. Sunil Kumar	20250	UUHF, Bharsar	2022	Studies on effect of various source and levels of nutrients on growth, yield and economic of Kalmegh.
Ms. Diksha Semwal	19254	UUHF, Bharsar	2022	Effect of different PGRs and chemicals on seed germination behaviour of <i>Lilium polyphyllum</i> D. Don ex Royle
Mr. Abhishek Rawat	20247	UUHF, Bharsar	2022	Floral biology of <i>Picrorhiza kurrooa</i> Royle ex Benth
Ms. Deepali Rawat	21246	UUHF, Bharsar	2023	Marketing of Medicinal and Aromatic Plants in Uttarakhand

Ms. Nancy Chauhan	21248	UUHF, Bharsar	2023	Growth and production of <i>Artemisia annua</i> Linn. Under the influence of different doses of organic manures
Mr. Kanderp Bahuguna	21251	UUHF, Bharsar	2023	Studies on effect of Integrated nutrient management on Growth, Yield and economics of Tulsi
Ms. Ridhima Jasrotia	21351	UUHF, Bharsar	2023	Studies on effect of Integrated nutrient management on Growth, Yield and economics of Ginger
Ms. Shivani Bisht	21250	UUHF, Bharsar	2023	Studies on floral biology, Pollination Behaviour and Fruit set in <i>Berberis aristata</i> DC.
Ms. Smriti Bhatarai	22246	UUHF, Bharsar	2024	Seed germination behaviour of <i>Saussurea costus</i>
Ms. Divyta Ashwal		UUHF, Bharsar	2024	Effect of plant growth regulators on growth, yield and economics of Kalmegh
Ms. Sapna Jayara	22254	UUHF, Bharsar	2024	Seed germination behaviour of <i>Aconitum heterophyllum</i>
Ms. Ami Thapa		UUHF, Bharsar	2024	Effect of different of PGRs on Vegetative growth, yield of flowers and oil content in damask Rose
Ms.Neha Bhatt	23248	UUHF, Bharsar	2025	Effect of organic manure and Biofertilizers on <i>Tagetes minuta</i>
Ms.Shivani Bisht	23250	UUHF, Bharsar	2025	Standardization of hormone concentration for vegetative propagation of <i>Rosmarinus officinalis</i> L.
Ms.Asni J.	23251	UUHF, Bharsar	2025	Growth parameters of large cardamom under different treatments and canopy
Ms.Pallavi Bhandari	23262	UUHF, Bharsar	2025	Seed germination behaviour of <i>Berberis aristata</i>
Ms. Akansha Gusain	24247	UUHF, Bharsar	2026	Vegetative propagation of <i>Berberis aristata</i> DC. using Different plant growth regulators.
Ms. Priyanka Joshi	24248	UUHF, Bharsar	2026	Standardization of Herbal Tea blend from Viola, Nettle, Jamun and Aprajita
Ms. Nitisha Dabral	24249	UUHF, Bharsar	2026	Effect of organic manures on growth on development of <i>Rosmarinus officinalis</i> L.
Ms. Neha Nainwal	24251	UUHF, Bharsar	2026	Study of pollination behavior and floral biology of <i>Valeriana jatamansi</i>

• **Professional Activities**

Activity / Membership	Organization	Since
Life member	Society for Conservation and Resource Development of Medicinal Plants (SMP), New Delhi	2017

Activity / Membership	Organization	Since
Member	Editorial board of Int. J. Medicinal & Aromatic Plants (Academic Journal)	2015

• **Awards/ Achievements**

Awards/ Achievements	Organization	Year
<i>Best Poster Presentation Award</i>	<i>National Seminar on 'MAPs in perspective of Health & Wealth'</i> organized by Medicinal & Aromatic Plants Association of India (MAPAI), Anand & ICAR-DMAPR, Anand, Gujarat, 23 October 2024	2024
<i>REVIEWER AWARD</i>	<i>Land Use Policy J.</i> , Elsevier, Amsterdam, The Netherlands	2020
<i>REVIEWER AWARD</i>	<i>INDUSTRIAL CROPS & PRODUCTS J.</i> , Elsevier, Amsterdam, The Netherlands (August 2016).	2016
<i>REVIEWER AWARD</i>	<i>INDUSTRIAL CROPS & PRODUCTS J.</i> , Elsevier, Amsterdam, The Netherlands (2012)	2012
<i>CERTIFICATE OF APPRICIATION</i>	<i>National Conference on Medicinal Plants of Himalaya-Traditional Uses and Conservation Issues'</i> held on 20 February 2009	2009
<i>Prashsti Patra</i> (Certificate of Appreciation)	<i>Int. Gayatri Parivar</i> , Haridwar.	2000

Publications:	
Total number of Research Papers	75
Total number of Papers presented in various conferences/symposium etc.	13
Books	02
Book chapters	05
Popular articles	10
Technical bulletins	03