

Dr. Navneeti Chamoli

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RESEARCH INTERESTS: Floral biology, seed production, Genetics and plant breeding, seed physiology, seed processing and storage, seed testing, seed biotechnology, seed production in field crops, Hybrid seed production, molecular biology, seed legislation, genetic diversity, seed pathology, seed treatments, seed dormancy.

Objective: Seeking a position in an academic organization/ higher education establishment where I can delve deep into the subject matter and use my research and teaching skills to materialize new ideas with a promise of honesty, hard work and dedication to be kept, and deliver the knowledge in its original and the best possible form.

Current position:

- Assistant Professor (Guest faculty), Seed science & Technology, HNB Garhwal University, Srinagar Garhwal, Uttarakhand.

Education:

- **Ph.D.** awarded on August 31, 2022 from *H.N.B Garhwal University*, Topic entitled “Assessment of Genetic Diversity and Resistance Potential of French Bean Accessions of Garhwal Region against Angular Leaf Spot using Morphological and Molecular Markers”.
- **M.Sc. (Ag.)** Seed Science & Technology (2016). *H.N.B Garhwal University, Srinagar Garhwal*, 84.69%.
- **B.Sc.** Zoology, Botany, Chemistry (2014), *Govt. P.G. College, New Tehri, TG, Uttarakhand*, 61.9%.
- **Class XII** (Biology group), *Govt. Girls Inter College, New Tehri, TG, Uttarakhand*, 58.18%.
- **Class X** (Science group), *Govt. Girls Inter College, New Tehri, TG, Uttarakhand*, 61.6%.

Other qualification:

- ARS NET-2021.

Projects:

Junior Research Fellow, Uttarakhand Council for Biotechnology, Haldi, U.S.Nagar, Uttarakhand, project on “*Germplasm collection of french bean from garhwal hills and its screening for Anthracnose resistance using morphological and molecular markers*” from 03-05-2017 to 03-11-2018.

Registered Accessions

Two French bean accessions *Viz.*, GFB-03 and GFB-30 has been registered in NBPGR for resistant to Anthracnose disease. Two more accessions GFB-93 and GFB-97 are under process to register which are resistant for Angular Leaf Spot.

Online/ Offline Trainings:

- Seven days hands on training in Shoolini University, Solan (HP) on molecular biology.
- Remote Sensing and Geographic Information System, Uttarakhand Space Application Centre (USAC).
- Role of applied statistical techniques in interdisciplinary research, Indian Council of Social Science Research (ICSSR).
- PCR application in Genetic Research, Central Dogma Pvt Ltd, Pune.
- Green house start up: Go smart to grow smart Sher-E-Kashmir University of Agriculture sciences and technology.
- Integrative research for sustainable agroecosystem and ecological integrity of the mountainous ecosystem of Uttarakhand, University of Hohenheim, Germany and HNBGU, Srinagar.
- Seed production of vegetable crops, College of horticulture and forestry, central agricultural university, Arunachal Pradesh.

Software's:

- Basic Computer Skills (MS Office), Mendeley, Zotero (Literature Management).
- All molecular data analysis software: PAST, GENEAiEx, Darwin, UPGMA, XLSTAT, SPSS, Structural analysis, Heatmap, PCA, AMOVA.

Webinars:

- Webinar on Employment opportunities through advanced mushroom cultivation and mechanization organized by College of horticulture and forestry, central agricultural university, Arunachal Pradesh on 11th October, 2021.
- Webinar on Mass production of fungal and bacterial agents, a scope budding Startup College of horticulture and forestry, central agricultural university, Arunachal Pradesh from 2nd -3rd November, 2021.
- Webinar on Detection and avoiding plagiarism in Research and Publication organized by SWAYAM cell, HNB Garhwal University, Srinagar Garhwal.
- Webinar on Overview of handling basic accounting software organized by College of horticulture and forestry, central agricultural university, Arunachal Pradesh on 27th to 28th September, 2021.
- Webinar on Popular science writing organized by AWSAR (Augmenting writing skills for Articulating Research) department of Science & Technology, Govt. of India on 08 October,

2021.

- Webinar on Employment through advanced mushroom cultivation and mechanization organized by college of horticulture and forestry, central agricultural university, Arunachal Pradesh, on 11th October, 2021.
- Webinar on Entrepreneurship development through cultivation of medicinal and aromatic plants organized by college of horticulture and forestry, central agricultural university, Arunachal Pradesh, on 17th and 18th December, 2021.

Publications:

- **Navneeti Chamoli**, Deepti Prabha, Jai Singh Chauhan. Evaluation of French bean Germplasm from Garhwal Himalayas for Resistance to Angular Leaf Spot (2023). *Plant Genetic Resources: Characterization and Utilization* 1–8. <https://doi.org/10.1017/S1479262123000126>
- Seema Ali, **Navneeti Chamoli**, Jai Singh Chauhan. Tomato (*Lycopersicon esculentum* Mill cv.VL-1) Seed Production through Organic Farming (2022). *Journal of Mountain Research*. P-ISSN: 0974-3030, E-ISSN: 2582-5011 <https://doi.org/10.51220/jmr.v17i2.6>
- Deepti Prabha, **Navneeti Chamoli**, Yogesh Kumar Negi, J. S. Chauhan (2021). Multiple genes confer anthracnose resistance in French bean (*Phaseolus vulgaris* L.) accessions of Garhwal Himalayas. *Genetic Resources Crop Evolution*. <https://doi.org/10.1007/s10722-021-01266-6>.
- **Navneeti Chamoli**, Deepti Prabha, Jai Singh Chauhan (2021). Correlation in Seed Coat Colour and Pod Colour of French Bean Collected from Garhwal Himalayas. *J. Mountain Res.* P-ISSN: 0974-3030, E-ISSN: 2582-5011 DOI: <https://doi.org/10.51220/jmr.v16i3.35> Vol. 16(3), (2021), 367-374.
- Deepti Prabha, **Navneeti Chamoli**, Yogesh Kumar Negi and J. S. Chauhan (2020). Newly Identified Anthracnose Resistant French Bean (*Phaseolus vulgaris*) Accessions from Garhwal Hills of Uttarakhand, India. *Int.J.Curr.Microbiol.App.Sci* (2020) 9(2): 2748-2751 2748.

Book published

Singh.R., Chamoli, N. and Prabha, D. (2021). *Treasure of Seed Science & Technology*. Jain brothers (New Delhi), ISBN: 978-81-944846-5-3.

Public Presentations:

- Navneeti Chamoli, Rakesh Singh, Deepti Prabha, & J.S. Chauhan. “Assessment of Genetic Diversity of French Bean Accessions Using Morphological Markers From Garhwal Hills of Uttarakhand’ in National Seminar on “Strengthening of Seed Systems in the North Eastern & Unreached Regions – Problems, Prospects and Policies” held from 3/02/2019-5/02/2019 at ICAR Research Complex for NEH Region Manipur Centre, Lamphelpat, Imphal.

- Navneeti Chamoli, Rakesh Singh, Deepti Prabha, & J.S. Chauhan. “Collections of French Bean Accessions for Genetic Diversity Using Morphological Markers From Garhwal Region of Uttarakhand” in National Conference on Climate Change: Plants People and Planet' held at Uttarakhand Technical University Campus, Sudhowala, Dehradun from Feb 16, to Feb17, 2019.
- Navneeti Chamoli, Deepti Prabha, & J.S. Chauhan. Screening of French bean germplasm against Angular Leaf Spot by SCAR markers. The international conference organized by Govt. P.G. College, New Tehri on contemporary issues of climate change, conservation of biodiversity and natural resources in Himalayan environments from 14th to 16th November,2019.
- Navneeti Chamoli, Deepti Prabha, & J.S. Chauhan. Oral presentation on the topic “New source of resistance to angular leaf spot in French bean germplasm from Garhwal Himalayas” in 15th and 16th Uttarakhand State Science & Technology Congress from 22nd June to 24th June 2022 at Graphic Era University, Dehradun.

LANGUAGES KNOWN: - Hindi, English (speaking, reading, writing)

ACADEMIC EXPERIENCE/ TEACHING ASSISTANCE: -

Department of Seed Science & Technology, HNB Garhwal University (2017-2022).

Awards and Merits

1. Young Scientist Award in 16th Uttarakhand State Science & Technology Congress 2022.
2. Gold medalist in M.Sc. (Ag.) Batch 2014-2016.
3. Secured A+ rank in 1.5 years course in Advance Diploma in Information Technology in the year 2013.
4. Certificate of NSS A, B and C.
5. Certificate in Elementary Skill in Rock Climbing, Adventure Camping, Trekking and Leadership in 2010 from Jawahar Institute of Mountaineering and winter sports, Pehalgam, Jammu and Kashmir.
6. Amul Vidhyashree award in class X for securing rank I in school level.

References:

1. Dr. Deepti Prabha
Assistant Professor
Department of Seed Science & Technology
HNB Garhwal University, Uttarakhand. India
Ph-9720849962
e-mail-Deepti_prabha@rediffmail.com
2. Prof. J.S. Chauhan
Head and Dean
School of Agriculture and Allied Sciences

HNB Garhwal University, Uttarakhand. India
Ph.- 9412079499
e-mail- Js99chauhan@gmail.com

GENERAL INTEREST:

Gardening, Teaching, Trekking, Travelling, exploring rural areas, Reading Books, Singing, Listening to Indian Classical Music.

PERSONAL INFORMATION:

Father's Name: Shri Bhawani Dutt Chamoli

Date of Birth: 04-07-1995

Nationality: Indian

DECLARATION:

I hereby declare that the above-mentioned information is correct to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Dr. Navneeti Chamoli