



- **Profile Summary**

Dr. Manju is an Assistant Professor in the Department of Fruit Sciences, specializing in Horticulture (Fruit Science). She holds Master's and PhD degree in Horticulture (Fruit) from HNBGU Srinagar Garhwal and has also presented her research at various international conferences and contributed to multiple Scopus-indexed publications. She has qualified the ASRB ICAR-NET examination and is a recipient various award for her contribution in the field of Horticulture. She has extensively contributed in the field of Horticulture (Fruit Science) for the past 22 years.

Dr. Manju is actively involved in teaching, research, and mentoring, with a strong focus on integrating theoretical and practical knowledge on various aspects of fruit science. She also has contributed to research as a research guide and through working on different development and research projects, bringing out more than 35 publications. Her areas of expertise include **breeding and production technology of temperate fruit crops**.

- **Research Interests/ Specialization:** Breeding and production technology of fruit crops.

- **Recent Publications**

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

Sr.No.	Title of Paper	Journal	ISSN No.	Volume No.	Year Of Publications
1	Kusum, Kirti Sharma and Manju Negi. Impact of different spacing and combination with organic manures on growth and yield attributes of strawberry (<i>Fragaria × ananassa</i>) cv. Jutoh special under mid-hill conditions of Uttarakhand.	Journal of Pharmacognosy and Phytochemistry	ISSN: 2278-4136 P-ISSN: 2349-8234	9(2): 1014-1018	2020
2	Deeksha Rawat, Manju Negi, Gopal Mani and Krishna "Effect of Different Levels of Gibberellic Acid (GA3) on Seed Germination and Seedling Growth of Sweet Orange (<i>Citrus sinensis</i> L.) cv. Malta".	Biological Forum – An International Journal	ISSN No. (Print): 0975-1130 ISSN No. (Online): 2249-3239	15(10): 337-342	2023
3	Shikhar Semwal, Manju, Rajendra Bhatt, Ashish Tariyal and Neha Thakur "Effect of growing media and gibberellic acid on seed germination and seedling growth in hazelnut (<i>Corylus jacquemontii</i> L.)".	<i>Progressive Horticulture</i>	ISSN: 09703020	. Vol. 55(2): 116-126	2023
4	Ashish Tariyal, Manju, Rajendra	<i>Progressive Horticulture,</i>	ISSN: 09703020	Vol. 55(2):	2023

	Bhatt, Shikhar Semwal and Neha Thakur Effect of gibberellic acid on seed germination and seedling growth of Firethorn (<i>Pyracantha crenulata</i> M. Roem.)			140-147	
5.	Krishna, Manju Negi, Madhulika Pandey Deeksha Rawat and Rishabh Raj. "Seed Germination and Growth Parameters of Firethorn (<i>Pyracantha crenulata</i> M. Roem.) as Influenced by Different Sowing Date and Gibberellic Acid Concentrations".	<i>Ecology . Environment & Conservation.</i>	ISSN 0971– 765X	30 (1) : 191-196	2024
6.	Unmanned Aerial Vehicle (UAV) for spraying in field and Orchard Crops. (2025). Tejas Ashok Bhosale, Ramesh Pal, Yuvraj Kasal, K C Singh, Gargi Goswami, <u>Manju Negi</u> , B P Nautiyal	International Journal of Environmental Sciences	ISSN No. : 2229-7356	11(2s), 1142- 1150	2025
7.	Efficiency Analysis Of Unmanned Aerial Vehicle (UAV) Spraying For Potato Cultivation In The Hilly Region Of Uttarakhand. Tejas Ashok Bhosale, Ramesh Pal, Shailaja Punetha, K C Singh, <u>Manju Negi</u> , Gargi Goswami and B P Nautiyal	International Journal of Environmental Sciences.	ISSN No. : 2229-7356	11(2s)	2025
8.	Assessment of on Field Droplet Distribution through Unmanned Aerial Vehicle (UAV) Spraying for Potato Crop in Hills of Uttarakhand Bhosale T.A., Pal R., Nautiyal B.P., Singh K.C., Goswami G., <u>Manju</u> and Bhosale S.T.	Biological Forum An International Journal	ISSN No. (Print): 0975- 1130 ISSN No. (Online): 2249-3239	17(5): 129-133	2025
9.	Study of Machine Parameters for Spraying though Unmanned Aerial Vehicle (UAV) in Apple Orchard	International Journal on Emerging Technologies	ISSN No. (Print): 0975- 8364	16(2):22- 27(2025)	2025

	Bhosale Tejas A., Pal Ramesh, Manju , Singh K.C., Goswami G., Satyartham and Bhosale Shital T.		ISSN No. (Online): 2249-3255		
10.	Floral and Pollen Morphology and Fruit set of Hazelnut (<i>Corylus jacquemontii</i> Decne) in the hilly Conditions of Uttarakhand. N. Chandra, M. Negi , S.C pant, B. Mamgain, R. Sharma	Applied Fruit Science 67, 436.	ISSN No. Electronic: 2948-2631 Print: 2948- 2623	67-436.	2026
11.	Effect of Plant Growth Regulators on Seed Germination of Mechanically Scarified Seeds of Himalayan Wild Cherry (<i>Prunus cerasoide</i> d. Don). Nikesh Chandra, Gopal Mani, Manju Negi and Purvika	Vegetos	E- ISSN No. : 2229-4473		2026
12	Assessment of the influence of different doses of liquid organic formulations on growth, flowering and yield ttribute of strawberry (<i>Fragaria</i> × <i>ananasa</i>) cv. Camarosa under black polythene mulch. Gaurav Chamoli, Kh Chandtakumr Singh , Manju , Deepak Mewar, Shikhr Semwal, Pankaj Bahuguna, Haobijam James Watt, Gargi Goswami, Tejas Ashok Bhosale and Devina Seram.	Indian Journal of Agricultural Sciences	Print ISSN: 0019-5022 Online ISSN: 2394-3319	96 (3): 319-327	2026
13	Influence of PGRs and chemicals on seed germination and seedling growth of apple (<i>Malus</i> × <i>domestica</i>), Manju , Singh K.C., Goswami G., Satyartham and Bhosale Shital T. Plnt Archives 21 (1)	Plnt Archives	ISSN-P : 0974- 3030 ISSN-e : 0974-5011	21 (1)	2026

- [Work History](#)

Academic Experience			
Duration (From-To)	Post	Organization	Nature
July 2003 to May 2005	Lecturer (Visiting)	Department of Horticulture HNBGU, Srinagar	Temporary

Sr. No.	Examination	University/Board	Main Subject	Year of Passing
1	B.Sc	HNBGU, Srinagar	Botany, Horticulture, Seed Tech	1999
2	M.Sc	HNBGU, Srinagar	Horticulture	2002
3	PhD	HNBGU, Srinagar	Horticulture (Fruit Science)	2006
4	NET	(ASRB) ICAR	Horticulture (Fruit Science)	2004

Aug. 2005 to Jan 2014	Lecturer (Contract Basis)	Department of Horticulture HNBGU, Srinagar	Temporary
28/06/2018 to Till date	A.P Fruit Science	VCSG University of Horticulture and Forestry, Bharsar	Permanent

Administrative Experience			
Duration	Post	Organization	Nature
11 Year	Warden Girls Hostel	CoH, VCSGUUHF Bharsar	Extra charge
12 Year	IC Fruit Science	CoH, VCSGUUHF Bharsar	
03 Year	Account Officer	CoH, VCSGUUHF Bharsar	Extra charge

Administrative Experience			
Duration	Post	Organization	Nature
07 Year	Chairperson Women Cell	CoH, VCSGUUHF Bharsar	Extra charge

- [Thesis Supervision](#)
- **Total number of thesis supervision: 55**
- Details of Last Five Year thesis supervision is as follows:

Student (s)	Degree	Title	Year	Awarded by
Miss Krishna	M.Sc	Effect of Gibberellic acid and Date of Sowing on Seed Germination of Firethorn (<i>Pyracantha crenulata</i>)	2021	CoH Bharsar
Miss Rakhi Gautam	M.Sc	Effect of Indole-3- Butyric Acid on Grafting Success of Walnut	2021	CoH Bharsar
Miss Kajal	M.Sc	Effect of Indole-3- Butyric Acid and Benzyladenine on Grafting Success of apple	2021	CoH Bharsar
Miss Deeksha Rawat	M.Sc	Effect of Gibberellic acid on Germination of Sweet Orange cv Malta	2021	CoH Bharsar
Ankita Pokhriyal	M.Sc	Effect of Indole-3- Butyric Acid and Rooting Media on Hardwood Cutting of Kiwifruit	2022	CoH Bharsar
Shivangi Rawat	M.Sc	Effect of Mulching on Vegetative Growth and Fruit Yield of Strawberry (<i>Fragaria xannanasaDuch.</i>) cv. Camarosa	2022	CoH Bharsar
Poonam Gusain	M.Sc	Effect of GA ₃ and KNO ₃ and Tiourea on Seed Germination and Seedling Growth of Wild Pear	2022	CoH Bharsar
Ishu Nautiyal	M.Sc	Effect of GA ₃ and KNO ₃ and	2022	CoH Bharsar

Student (s)	Degree	Title	Year	Awarded by
		Thiourea on Seed Germination and Seedling Growth of Apple		
Shubham Kohli	M.Sc	Effect of Indole-3- Butyric Acid and Benzyladenine on Grafting Success of Almond	2022	CoH Bharsar
Himani Awasthi	M.Sc	Study of Floral biology of Strawberry and effect of fungicides and biological insecticides and gibberellic acid on pollen germination in strawberry	2023	CoH Bharsar
Laxmi	M.Sc	Effect of IBA and planting time on rooting of hardwood cuttings of Kiwifruit	2023	CoH Bharsar
Kanika Lakhera	M.Sc	Effect of growth regulators and Thiourea on seed germination of walnut	2023	CoH Bharsar
Paras Bhatt	M.Sc	Effect of presowing treatments on seed germination and seedling growth of wild apricot	2023	CoH Bharsar
Deepika Sati	M.Sc	Effect of stratification and potassium nitrate on seed germination and seedling growth of apple	2023	CoH Bharsar
Km. Anjali	M.Sc	Impact of GA ₃ , Thiourea and KNO ₃ on Seed Germination and Seedling Growth of Wild Apricot (Prunus armeniaca L.) under Temperate Region of Uttarakhand.	2024	CoH Bharsar
Ms. Ayushi Tripathi	M.Sc	Studies on Floral Biology and Pollination Behaviour of Wild Pear (Pyrus pashia Buch & Ham.) in Bharsar Region of Uttarakhand	2024	CoH Bharsar
Mr. Abhishek Sharma	M.Sc	Studies on Floral Biology,	2024	CoH Bharsar

Student (s)	Degree	Title	Year	Awarded by
		Pollination Behaviour of Wild Himalayan Cherry (<i>Prunus cerasoides</i> L.) in Temperate Region of Uttarakhand		
Ms. Isha Chandra	M.Sc	Effect of GA ₃ , KNO ₃ & Thiourea on Seed Germination and Seedling Growth of Firethorn (<i>Pyracantha crenulata</i>)	2024	CoH Bharsar
Ms. Hritika Pandey	M.Sc	Effect of Stratification, Gibberellic Acid and KNO ₃ on Seed Germination and Seedling Growth of Wild Pear (<i>Pyrus pashia</i>)	2024	CoH Bharsar
Ms. Samjhana Poudel	M.Sc	Effect of Pre Showing Treatment on Seed Germination and Seedling Growth of Himalayan Wild Cherry (<i>Prunus cerasoides</i>)	2024	CoH Bharsar
Mr. Ankush Kumaar	M.Sc	Effect of Pesticides and GA ₃ on floral Biology of Apple (<i>Malus × domestica</i> Borkh) cv. Mema Mester.	2025	CoH Bharsar
Miss Ritika Kaishiv	M.Sc	Maximizing Rooting Efficiency in Kiwifruit (<i>Actinidia deliciosa</i> Chev.) Cuttings by Optimizing IBA Concentrations.	2025	CoH Bharsar
Miss Shalini Negi	M.Sc	Effect of Pre-Sowing Treatments on Seed Germination and Seedling Growth of Crab Apple (<i>Malus baccata</i>)	2025	CoH Bharsar
Miss Taniya Tomar	M.Sc	Studies on Floral Biology and Pollination Behaviour of Ghingru (<i>Pyraantha crenulata</i>) in Bharsar Region of Uttarakhand	2025	CoH Bharsar
Miss Harshita Semwal	M.Sc	Effect of Pre-Sowing	2025	CoH Bharsar

Student (s)	Degree	Title	Year	Awarded by
		Treatments on Seed Germination and Seedling Growth of Persimmon (<i>Diospyrus kaki</i> L)		
Miss Anchal Sharma	M.Sc	Effect of Pre Showing Treatment on Seed Germination and Seedling Growth of Himalayan Wild Cherry (<i>Prunus cerasoides</i>)	2025	CoH Bharsar
Mr Ajay Kumar	M.Sc	Phenological behavior and reproduction biology of wild raspberry species (<i>Rubus paniculatus</i> Sm. and <i>Rubus niveus</i> T.) in mid Himalayan region of Uttarakhand	2026	CoH Bharsar
Miss Sneha Bhatt	M.Sc	Effect of pre-sowing treatments on seed germination and seedling growth of yellow Himalayan wild raspberry (<i>Rubus elipticus</i> Sm.)	2026	CoH Bharsar
Miss Kiran Saini	M.Sc	Phenological progression, floral biology and pollination behavior of apple cultivars in the Bharsar region of Uttarakhand	2026	CoH Bharsar
Miss Krishna Priya	M.Sc	Studies on phenological progression, floral biology and pollination behavior of underutilized wild <i>Rubus elipticus</i> Sm. and <i>Rubus macilentus</i> C. under Bharsar region.	2026	CoH Bharsar
Mr. Anshu Pandey	M.Sc	Utilization of Himalayan fruit bhamora through standardization of propagation and conservation techniques.	2026	CoH Bharsar

Student (s)	Degree	Title	Year	Awarded by
Mr. Priyanshu	M.Sc	Effect of Indole 3- Butyric Acid (IBA) on rooting of apple (Malus domestica Borkh.) rootstock M9 through mound layering.	2026	CoH Bharsar
Miss Sheetal	M.Sc	Effect of pre-sowing treatments on seed germination and seedling growth of Firethorn (Pyrecantha crenulata M.Roem.)	2026	CoH Bharsar

- [Professional Activities](#)

Activity / Membership	Organization	Since
Lifetime membership	Society for Advancement of Human and Nature	2021
Lifetime membership	Environment and social Development Association (ESDA), Delhi	2022
Lifetime membership	Indian Society of Arid Horticulture	2022
Lifetime membership	Indian Society of Agriculture Science and Technology Research	2024
Lifetime membership	National Academy of Bio Sciences	2024
Lifetime membership	Society for Horticultural Research and Development	2024

- [Awards/ Achievements](#)

Awards/ Achievements	Organization	Year
Best Horticulturist Award 2021	Agricultural and Environmental Technology Development Society	2021

Awards/ Achievements	Organization	Year
ESDA Education excellence Award 2022	Environment and social Development Association (ESDA), Delhi	2022
Excellence of Research Award	Indian Society of Agriculture Science and Technology Research	2024
Best women Scientist Award in Horticulture	National Academy of Bio Sciences	2024

Publications:	
Total number of Research Papers:	
Research Paper	39
Total number of Papers presented in various conferences/symposium etc.	
Paper presented in conferences	11
Books	04
Book chapters	
Review papers	
Lead papers	
Popular articles	
Technical bulletins	
Souvenir	