

CURRICULUM VITAE

Dr. PANKAJ LAL

Assistant Professor
Dept. Of Forest Products and Utilization,
College of Forest Ranichauri, Tehri Garhwal,
VCSG, Uttarakhand University Horticulture and
Forestry, Bharsar Pauri 249199



- ◆ To work in a professional environment in a responsible position with challenging task and rewarding career, where I can contribute to the growth of organization, enhancing my skills and achieve overall growth.
- ◆ Assistant Professor with 06 years of experience successfully contributing to the Area of forestry curriculum development and delivery. Driven to contribute to program outcomes by facilitating and supporting learning objectives. Enthusiastic professional with a background in academic advisement. Assistant Professor providing 06 years of experience assisting senior professors and mentoring students in the area of forestry. An intelligent and charismatic educator committed to helping students accomplish academic goals. Skilled in explaining material and concepts to address



CONTACT

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SKILLS

Continuing education
Class instruction
Classroom presentations
Student needs assessment
Proficient in Microsoft, Excel
Office, Power Paint, paint.



WORK EXPERIENCE OR WORKHISTORY

Assistant Professor (2018.02 to current)

College Of Forestry Ranichauri Tehri Garhwal VCSGUHF Bharsar, Pauri, Uttarakhand

Took attendance, graded assignments and maintained student records to assist teachers with administrative tasks and maintain smooth daily operations.

Established research agenda in NTFPS field to publish in peer-reviewed journals.

Created materials and exercises to illustrate application of course concepts.

Built strong rapport with students through class discussions and academic advisement.

Evaluated student progress through analysis of test scores and homework completion.

Applied innovative teaching methods to encourage student learning objectives.

Communicated with students about assignments, tests, and other academic matters.

Evaluated and supervised student activities and performance levels to provide reports on academic progress.

Junior Research Fellow (2015.11 to 2017.10)

**Dept. of Forestry & Natural Resources
HNBGU Srinagar Garhwal, Uttarakhand**

Analyzed data to determine which theory to select for research.

Performed various scientific duties on daily basis, including Recorded data for research to allow for accurate analysis.

Computed complex statistical analyses and interpreted data using SPSS.

Recorded data from research to allow for accurate analysis.

Compiled data in report and other documents using MS Word.

Published Research Paper in Earth and



EDUCATION

Ph.D. Forestry (Forest Products and Utilization)	College of Forestry Ranichauri- Tehri Garhwal Doctor of Philosophy in top 76.82% of class. Thesis Work On:- "Composition Structure, Regeneration status, Utilization Pattern and Flower Production of Rhododendron arboreum Sm. in Temperate Broad-Leaved Evergreen Forests of Garhwal Himalaya, Uttarakhand, India"	2021 to 2025
NET (National Eligibility Test)	ICAR (Indian Council Agricultural Research. National Eligibility Test) qualified with 51% marks	2016 August 1 st Week
M.Sc. Forestry (Silviculture)	College of Forestry Ranichauri- Tehri Garhwal Post graduated in top 71.86% of class. Thesis Work On:- "Community composition, Regeneration status and Utilization pattern of Wood species in Dandachali forest of Tehri Forest Division, North-West Himalaya"	2013 July to 2015 July
B.Sc. Forestry	Dept. Of Forestry & Natural Resources HNBGU Srinagar Garhwal. Graduate with 66% of class.	2009 August to 2013 July
Intermediate(12 th) Agriculture	G.I.C Kemra Kemar. Marks in Top 66% of Class.	2007 July to 2009 July
High School (10) Science	G.I.C. Nageshwar Saur-Ghansali Marks 41% of Class.	2005 July to 2007 July



EXTRACO-CURRICULAR SKILLS

2014-15

Sports & Cultural Activities at College of Forestry- Ranichauri, V.C.S.G. UUHF, Bharsar in Pauri Garhwal Uttarakhand.



DIFFERENT TYPES DUTY OF UNIVERSITY

ASSISTANT PROFESSOR COLLEGE OF FORESTRY RANICHAURI TEHRI UUHF BHARSAR PAURI		
1)	OIC Research Extension Centre (REC) Jakhinda Pratap Nagar	i=kad %393/UUHF/REG/2024 fnukad 23@09@2024
2)	OIC Dept. Of Forest Products & Utilization , College of Forestry Ranichauri, Tehri Garhwal, VCSG UUHF Bharsar, Pauri	i=kad % ;w0;w0,p0,Q0@ok0e0@148@L fnukad 14@11@2024
3)	Member of Students Grievances Redressal Committee (SGRC)	REG/UUHF/84/2023-24 date 31.05.2024
4)	OIC Security , college of forestry Ranichauri Tehri Garhwal	UUHF/REG//226 07/07/2023
5)	Appointment as an observer for conducting the Interview for the post of KVK technical Staff (Driver/T1& SMS/T6 Agronomy and plant protection)	L N:CPO/UUHF/170/2022 23/08/2022.
6)	Appointment as an observer for conducting the Screening for the postof KVK Technical Staff	L N:CPO/UUHF/115/2022 08/08/2022
7)	Appointment as an observer for conductive the screening for the Assistant Professor Librarian	LN:CPO/UUHF/DRT/60/2021. 18/08/2021
8)	Appointment as an observer for conductive the screening for the Assistant Professor Plant Pathology	LN:CPO/UUHF/DRT/48/2021. 24/07/2021
9)	Appointment as an observer for conducting the Screening for the post of Assistant Professor(Tree Improvement and Genetics, Plant Breeding)	LN:CPO/UUHF/DRT/43/2021. 23/07/2021
10)	Appointment as an observer for conducting the Screening for the post of Assistant Professor (Flori, Fruit Sci, Vegetable Sci, &Horti)	LN:CPO/UUHF/DRT/32/2021. 03/07/2021
11)	Nodal Officer for SC & ST Scheme like SCSP (Schedule Cast Sub Plan) and TSP (Tribal Sub Plan).	LN: UUHF/Reg/428/2020-21. 21 December 2020 till now
12)	Head of Internal Grievance Redressal Committee of SC &ST.	LN: ok-ek-@785@0- 27 August 2020 to till now
13)	B.Sc and M.Sc Forestry, Agri and Horti Counselling Commit Member.	2018 to till now



AWARDS

1)	Best Teacher Award on the 2 nd international conference on Agrilife-2024 TIAEHS (Transforming Innovation in Agriculture, Environment and Health for Sustainable Development)	07-08 September 2024
2)	Best M.Sc. Thesis Award on the 6 th International Conference "Holistic Innovations and Technological Advances for Sustainable Agriculture" (HITASA) jointly organized by SR University, Warangal SKLSTHU, Hyderabad (ICAR accredited). By Indian Society of Agriculture & Horticulture Research Development (ISAHRD).	04 to 06 March 2024
3)	Dynamic Professor of the year 2021. GTEA (Global Teaching Excellence Awards).	24 July 2021



TRAINING AND COURSE PROGRAMME

1.	Successfully attended 10 days NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission Teacher Training Programme (MM-TTP) UGC organized By Central University Gujrat in academic collaboration with HNBGU Srinagar.	07 to 16 th September 2026
2.	Successfully attended 30 days Winter School Cum International Training Programme on Novel Approaches in Agriculture System	1-30 March 2025
3.	Successfully attended 30 days Summer School International Training Programme organized by Sri Konda Laxman Telangana State Horticulture University (SKLSTHU), Telangana in collaboration with UTKARSH-PDKV, Akola, Just Agriculture Education Group, USASTR, Noida.	15 th July to 15 th August 2024.
4.	Successfully attended 15 days international training cum work shop program organized by Sri Konda Laxman Telangana State Horticulture University Telangana in collaboration with just agriculture extension group.	5 th may to 20 may 2024.
5.	30 days have Successfully Completed International Agriculture Certificate Course-Cum-Training Program. Prime Minister & Ministry Of Agriculture & Farmers' Welfare Sponsored Agriculture Scheme & Indian Agriculture Vision- 2050. Organized By Gujarat Natural Farming Science University, Anand, Gujarat; GBPUAT, Pantnagar; Bihar Animal Sciences University, Patna; ICAR- Indian Institute Of Rice Research, Hyderabad; ICAR- Indian Institute Of Millets Research, Hyderabad; ICAR- Central Institute For Research On Goats, Mathura; ICAR- Indian Institute Of Maize Research, Punjab; ICAR-Indian Institute Of Wheat And Barley Research, Karnal; D. Y. Patil Agriculture And Technical University, Talsande & Hindustan Agricultural Research Welfare Society.	01 To 30 April 2024.
6.	21 days certificate-cum- Training program on "Agri Skill in India" (ASI 2023) organized by ICAR	09 to 29 April 2023
7.	21 days winter school in online mode on emerging problems & recent advance in applied science: Basic to molecular approaches, organized by Astha foundation Meerut (U.P) India	26 Feb. to 18 March 2023
8.	Hydrological Modelling for extreme weather events for Urban cities held on Three days	28 to 30 September 2021.
9.	Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of MINISTRY OF EDUCATION PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING entitled "Faculty Induction program" Grade A+	11 February to 13 March 2021, 01 month
10.	Teaching Learning Centre, Ramanujan College University of	30 January to 14

	Delhi under the aegis of Ministry Of Educationpandit Madan Mohan Malaviya National Mission On Teachers And Teaching Entitled "Advanced Research Methodology Tools and Techniques" Grade A+	February 2021,14 days.
11.	PIAS (Plantica Institute of Agricultural Studies) Dehradun, Training Programme entitled " Agri Business Management (ABM)"	21 July to 02 August 2020.
12.	Department of Computer Science and Engineering, Bhagwan Parshuram Institute of Technology, New Delhi, India. Faculty Development Program on 'R' language	16th June to 22nd June 2020.
13.	PIAS (Plantica Institute of Agricultural Studies) Dehradun, Training Program entitled " Agri Business Management (ABM)"	25 May to 09 June 2020.
14.	IARS (Indian Institute of Remote Sensing) Dehradun, Course entitled "Remote Sensing and GIS Application in Carbon Forestry" During 16	February to 10 March 2017.
15.	World Humanitarian Submit Rio+20 India 2016. Certificate course.	

OTHER RELATED COURSE		
	USUI SHIKI RYOHO Reiki	1 May to 15 Jun 2021



ADDITIONAL INFORMATION

- 1) Lecture diliver in Dr. B. R. Ambedkar, Luknow Uinversity on Schedule Cast in Independent India: Present and Future dated on 27/11/2022.
- 2) Lecture diliver in Vikshit Krishi Sankalap Abhiyan october 2025.
- 3) Lecture diliver in Kheti Bhachawo Abhiyan june 2026.
- 4) Life membership of Samagra Vikas Evam Paryavaran Sanrakshan Samiti (SVPSS) Prayagraj UP India **07th to 08th September 2024.**
- 5) Organising Secretary in 30 days Summer School International Training Programme organized by Sri Konda Laxman Telangana State Horticulture University (SKLTSHU), Telangana in collaboration with UTKARSH-PDKV, Akola, Just Agriculture Education Group, USASTR, Noida during **15th July to 15th August 2024.**
- 6) Life member of Indian Society of Agriculture and Horticulture Research Development



OTHER DUTIES ASSIGNE BY OTHERS UNIVERSITY OR INSTITUTE

of

1)	Practical Dolphin PG Institute in Deheradun, Doon PG and BFIT Deheradun (HNBGU Sringar)	15/07/2024
2)	Practical Dolphin PG Institute in Deheradun, RIT Roorkee, Puhana, BSM PG College Roorkee and IMMT Deheradun (HNBGU Sringar)	04/01/2024,
3)	Practical Doon PG College Selaqui, BFIT Dehradun, Dolphin PG Institute in Deheradun and RIT Roorkee, Puhana (HNBGU Sringar)	27/07/2023, 01/08/23, 01/08/23, and 01/08/23
4)	Practical in Uttranchal college of Biomedical Dehradun ISBT	25/08/2022

	(HNBGU Sringer)	
5)	Practical viva in Dev Bhoomi (online. Tula institute in Dehradun (offline) letter no Co/Agri/Viv/2021/01 (SDS University Badsahi Thaul)	19/07/2021 and 29/09/2021. 02/10/2021
6)	Set or prepared paper's Adhinisth Sewa Chayan Ayog Parisar Ring Road Dehehradun . Letter no. 34/paeiksha-(Go0)/2017-2018	12.07.19
7)	Practical conducted in Dolphin PG Institute in Deheradun and Himalayan college in RIT Roorkee, Puhana (HNBGU Sringer)	30/05/2019 and 28/06/2019
8)	Set paper and evaluation Agriculture university Kota letter no AUK/JWR/COE/ Secy./2019/591, AUK/JWR/COE/ Secy./2020/131 1, AUK/COE/Secy./Scripts 2020-21/1837	03/03/2019, 10/01/2020 and 04-10-2021
9)	Lecture delivered to farmer or local inhabitants at Nandparyag Ghatt Chamoli District	20/10/2018
10)	Lecture delivered to farmer or local inhabitants on Bheemal at Khhadi and Nagani Tehri District	27/09/2018



CONFERENCE & WORKSHOP

1.	Presented topic in UCOST Graphic Era Deemed University	28-30.11.2025
2.	Resource Person has participated in the 2 days training program on "Fruit Processing and Post-Harvesting Technologies for Strengthening the Farmer's Producer Organization (FPO) of Tehri Garhwal District of Uttarakhand" Organized by Himalayan Institute For Environment, Ecology & Development (HIFEED), Uttarakhand collaboration with VCSGUUHF Ranichauri.	16 th & 17 th January, 2025.
3.	Oral Presentation in Agrilife-2024 TIAEHSD (Transforming Innovation in Agriculture, Environment and Health for Sustainable Development	07-08 September 2024
4.	Participated in the 6 th International Conference "Holistic Innovation and Technological Advances for Sustainable Agriculture" (HITASA-2014) Organized by SR University, Warangal, Sri Konda Laxman Telangana State Horticulture University, Hyderabad, Just Agriculture Education Group and ISAHRD, Chandigarh	held on 04-06 March, 2024.
5.	Sensitization Workshop and Hands-on Practice on NAHEP Component-2 Activities and Implementation" Organized by ICAR-IASRI, New Dehli at College of Forestry Ranichauri, Tehri Garhwal (VCSG UUHF Bharsar)	15-17 June 2023
6.	Schedule Cast in Independent India: Present and Future.	27/11/2022
7.	Wildlife Crime and Forensics conducted by the Natures Eye Powered by Wildlife Arc	23-24 June 2022 (two days webinar)
8.	Poster Presentation in International E- Conference on Emerging Innovation and Advancement in Biological Science, Human Welfare and Agriculture Research in Current Era.	July 25 to 27, 2020.
9.	Oral Presentation in Plant Science Research Meet (PSRM) Dehradun,	January 28, 2018.
10.	Poster Presentation in Common wealth Forestry Conference Dehradun, .	April 3-7, 2017
11.	Participated National Workshop on Popularisation of Remote Sensing Based MAP & Geospatial Information Jointly Organized by ISRO. On National Remote Sensing Day	August 11, 2017.
12.	Oral Presentation in National conference on Innovative and Current Advances in Agriculture and Allied Sciences.	December, 10-11, 2016.

13.	Poster Presentation in National Conference on Global Research Initiatives for Sustainable Agriculture & Allied Science.	December 12to 13, 2015.
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RESEARCH & PUBLICATIONS

1)	Lal, P. , Vasishtha, A., Lal, B., Dhanaia, C. S., Shah, D., Pratapa, U. B. and Balia, R. S. (2025). Current Status of Rhododendron in Himalayas. <i>Eco. Env. & Cons.</i> 31 (3) :pp. (1051-1054). (ISSN 0971-765X) DOI No.: http://doi.org/10.53550/EEC.2025.v31i03.028 .
2)	Lal, P. , Dobhal, S., Bali, R. S., Dhanai, C. S., Gupta, H. And Choudhary, S. (2024). Different Renowned and Amazing Forests in the World. <i>Indian Forester</i> , 150 (2) : 189-193 (ISSN: 0019-4816).
3)	Lal, P. , Prasad, R. K., Bali, R. S., Butola, J. S., Dobhal, S., Singh, I and Ayush, P. (2023). Altitudinal Variation and Soil Characteristics Effect on Forest Communities of North Western Himalayan Region of Uttarakhand, India. <i>International Journal of Plant & Soil Science</i> , 35(15): 151-160 (ISSN: 2320-7035).
4)	Lal, P. , Talwan, R., Thapliyal, V., Dobhal, S., Kukreti, A. And Prasad. (2021). COVID-19 VIRUS: OVERVIEW. <i>Journal of case reports in medical science</i> , 7(2): 19-21 (ISSN: 2456-9143).
5)	Lal, P. , and Dobhal, S. (2021). Miracle Plants of Rhododendron in North-Western Himalaya. <i>International Journal of Phytology Research</i> , 1(1):04-05 (ISSN No: 2583-0635).
6)	Lal, P. , Singh, I., Dobhal, S., Prasad, R. K. and Meena. (2021). Impact of Climate Change on Agriculture, Forest and Tree Species in Garhwal Himalaya Uttarakhand, India. <i>Agri India Today</i> , 1(1). (ISSN: 2583-0910).
7)	Lal, P. , and Chauhan, D. S. (2019). Descriptive Study of Burans (Rhododendron arboreum Smith) in the Uttarakhand, India, North West Himalaya. <i>Journal of Agriculture and Forest Meteorology Research</i> , 2(1). (ISSN 2642-0449).
8)	Lal, P. , Butola, J. S., Khanduri, V. P., and Prasad, R. K. (2018). Smallest Life Studies at The Various Societies in Uttarakhand North-West Himalaya. <i>Journal of Plant Science</i> , 2(3). (ISSN: 2456 – 9259)
9)	Lal, P. , Chauhan, D.S., Butola, J. S. and Khanduri, V.P. (2018). Native, Endemic and Utilization Pattern of Woody Species of Dandachali Forest of Tehri Forest Division, North- West Himalaya. <i>Indian Journal of Ecology</i> 54(1): (ISSN 0304-5250)
10)	Lal, P. , Butola, J. S. and Khanduri, V. P. (2018). Natural Regeneration Status of Forest Community at Dandachali Forest Tehri Forest Division in North West Himalaya Uttarakhand, India. <i>Plant Archives</i> , 18(1). (ISSN 0972-5210)
11)	Lal, P. , Butola, J. S. and Khanduri, V. P. (2017). Community Structure of Dandachali Forest, Tehri Forest Division, of North-West Himalaya. <i>Journal of Plant Development Science</i> , 9(10). (ISSN 0974-6382)

SECOND AND THIRD AUTHOR	
1.	Chamoli, R. T., Ryntong, M. K., Thapliyal, S., Lal, P. , Goswami, S., Uniyal, A., Singh, S., Dobhal, S., Rani, M., Bhatt, H., Dhyani, A., Bhatt, A. and Saini, N. (2026). Fermentation-based bio-ethanol production: A study on agro-waste utilisation with <i>Saccharomyces cerevisiae</i> . <i>Plant Science Today</i> , 13(5): pp 1-6. eISSN 2348-1900, https://doi.org/10.14719/pst.11421 .
2.	Barthwal, P., Bali, R. S., Dobhal, S., Lal, P., Thakur, S., Thakur, P. and Negi, S. (2026). Assessment of Consumption Pattern of Fuelwood and Fodder Species in Chamba Block, Tehri Garhwal, Uttarakhand. <i>International Journal of Economic Plants</i> , 13(2): 01-06.

3.	Dobhal, S., Binjola, R., Shikha., Raj Kumar., Bali, R. S., Lal, P. , Chaudhary, S and Vasisth, A. (2025). Biomass production and carbon storage across slope aspects and altitudes in Western Himalaya: A case study of <i>Pinus roxburghii</i> forests in the fire-vulnerable region. <i>Journal of Environmental Management</i> , 395 (2025) 127884. https://doi.org/10.1016/j.jenvman.2025.127884 .
4.	Roy, S., Bali, R.S., Dobhal, S., Dhanai, C.S. and Lal, P. (2025). Variation in the cone, seed and seedling traits of <i>Pinus wallichiana</i> A.B. (Blue Pine) in the Indian Himalaya. <i>Jour. Of Gen. Genomics & Plant Breeding</i> , 9(3), 84-100. ISSN: 2581-3293. DOI: 10.63551.
5.	Gopal, R., Dinesha, S., Singh, N. and Lal, P. (2025). Morphological Variations in Bamboos: A Review. <i>BioThink</i> , 2(1), pp230-235. ISSN: 3048-7943.
6.	Barthwal, P., Bali, R.S., Dhanai, C.S., Lal, P. , Dobhal, S., Bhatt, P., Bahuguna, P. (2024). Pharmacological Studies on Chinar Trees: A Comprehensive Review of Uttarakhand's Herbal Medicine. <i>Frontiers in Crop Improvement</i> , 12(ISSUE II), 674-678. ISSN: 2454-6011.
7.	Shekhar, C., Lal, P. , Chauhan, P., Yadav, R.,Dwiwedi, I. and Saha, R. (2024). Assessment of Shrinkage, Exploitation and Threats to <i>Taxus wallichiana</i> in North-western Himalayas. <i>Int. J. Ag. Env. Biotech.</i> , 17 (01): 09-13. (ISSN: 2454-6011)
8.	Binjola, R., Dobhal, S. And Lal, P. (2022). A Review on The Current Status of Forest Fire In Uttarakhand State Of India. <i>Journal of Global Ecology and Environment</i> . 16(4): 26-33. (ISSN: 2454-2644)
9.	Shekhar, C., Verma, S., Mishra, A.K., Singh, V., Prakash, S. and Lal, P. (2022). Fodder Diversity, Availability and Utilization Pattern in Western Himalayas. <i>International Journal of Agriculture, Environment and Biotechnology</i> , 15(02): 225-228. (ISSN 0974-1712)
10.	Chauhan, D.S., Lal, P. And Sharma, A.K. (2021). Extraction of <i>Rhododendron arboreum</i> flowers from the forest for the livelihood and rural income in Garhwal Himalaya, India. <i>Scientific Report</i> , (ISSN 2045-2322)
11.	Dhobal, S., Thakur, S., Rajkumar., Bhatt, S. And Lal, P. (). Quantitative Character of <i>Populus Deltoides</i> Bartr. Ex marsh. Hybrids Developed Through Control Breeding by Sneha. <i>Annals of Forestry</i> , 25(2&1). Pp 1-11
12.	Dobhal, S., Sharma, S., Lal, P. And Gusain, H. (2021). Estimation of Combining Ability, Genetic Components and Heterosis in morphological characters of Line × Tester in <i>Populus deltoides</i> Bartr. <i>J. Tree Sci./40</i> (1): 1 – 17 (ISSN 0970-7662)
13.	Chauhan, D.S., Lal, P. And Singh, D. (2017). Composition, Population Structure and Regeneration of <i>Rhododendron arboreum</i> Sm. Temperate Broad- Leaved Evergreen Forest in Garhwal Himalaya Uttarakhand India. <i>Journal of Earth Science & Climate Change</i> 8:12 201 (ISSN: 2157-7617)

PUBLICATION AND MAGZIN PUBLICATION	
1)	SCs in Uttarakhand continue to face hardships. UNHEARD VOICES, JULY 2022 28
2)	Uchh Himalayi Chhetron Me Stiti Ausidhiya Guno Se Bharpoor Seebackthorn. Shaheed V.C. Gabar Singh Negi Mela Smarika, April, 2021
3)	Burans Himalaya Ka Chamatkari Paudha. Kishan Dayari, VCSG UUFH Bharsar Pauri 2020-2021.
4)	Uttarakhand Me Lemon Grass Ki Kheti. Shaheed V.C. Gabar Singh Negi Mela Smarika, April, 2021.

BOOK CHAPTERS	
1.	Thapliyal, S., Dobhal, S., Sharma, S., Kumar, A., Lal, P. and Chamoli, R. T. (2026). Designing Climate-Smart Agroforestry Systems: Participatory Planning, Agroforestry Development and Business Models. “Modern Practices in Agriculture, Horticulture and Forestry” Editors: Singh, S., Munaula, S. and Rathore, G. (2026). <i>National Press Associates</i> . Chapter 03.
2.	Munaula, S., Dobhal, S., Pratap, U. B., Porswal, A. and Lal, P. and Chamoli, R. T.

	(2026). Forest Robotics: Technology, Applications and Challenges. “Modern Practices in Agriculture, Horticulture and Forestry” Editors: Singh, S., Munaula, S. and Rathore, G. (2026). <i>National Press Associates</i> . Chapter 09.
3.	Negi, N., Dobhal, S., Thapliyal, S., Chaudhary, S., Tewari, S., Lal, P. , Manaula, S., Bhatt, S., Chamoli, R. T. and Kumar, R. (2024). Scope and opportunity of entrepreneurship development in forestry sector. K. K. Krishnani, Sujay Rakshit, and S. K. Gupta (2024). A Compendium Book: Entrepreneurship Development in Agricultural Sector: Opportunity and Challenges. <i>ICAR-Indian Institute of Agricultural Biotechnology, Ranchi</i> 834003.
4.	Lal, B. and Lal, P. (2026). Introduction to Forestry and Its Role in Forest Products Utilization. Nasir, M., Sihag, K., Tiwar, C. and Raghav, S. (2026). Forest Products Utilization: Innovations, Sustainability, and Future Perspectives. <i>International Books & Periodical Supply Service</i> , pp 1-17. ISBN 978-93-66265-91-9, E-ISBN 978-93-66262-88-8.
5.	Gopal, R., Singh, N., Lal, P. and Neha. (2026). Intraspecific Trait Variation and Tree Improvement Program. Enhancing Forest Resilience through Plant Functional Traits A Practical Approach Edited By Narendar Kumar, Amit Kumar and Parmod Kumar Pandey. <i>Taylor and Fancis Group Boca Raton London New York</i> , ISBN: 9781032899060 (hbk), ISBN: 9781032899084 (pbk), ISBN: 9781003545231 (ebk). DOI: 10.1201/9781003545231. pp 81-95.
6.	Barthwal, P., Dobhal, S., Manaula, S., Bhatt, S., Chamoli, R. T., Lal, P. , Pratap, U. B., Kumar, A. and Kumar, R. (2025). Natural Resources Management in Semi-Arid Region: Current Practices, Challenges, and Future Strategies. <i>Sustainable Agriculture Management in Semi-Arid Climates</i> , pp 71-87, https://doi.org/10.1007/978-3-031-94066-8_4
7.	Singh, N., Bali, R.S., Thakur, P. , Lal, P. , and Gopal, R. (2025). Improvement of Livelihood through the Integration of Medicinal Plants in Agroforestry. Kumar, A., Shukla, G., Gopal, R. and Dinesha S. (eds) <i>Agroforestry as a Nature-Based Solution: A Holistic Approach to Food Security and Climate Change</i> . Chapter 15 pp327.
8.	Singh, N., Bali, R.S., Thakur, P. , Lal, P. , and Gopal, R. (2025). Potentials of Bamboo based Agroforestry Systems for Climate Change and Income Generation. Kumar, A., Shukla, G., Gopal, R. and Dinesha S. (eds) <i>Agroforestry as a Nature-Based Solution: A Holistic Approach to Food Security and Climate Change</i> . Chapter 06, Pp 108.
9.	Dobhal, S., Chavan, S., Upadhyay, K., Kumar, M., Lal, P. , Chichaghare, A. R. and Kumar, R. (2024). Role of Agroforestry in Moderating Extreme Temperature Conditions Under Climate Change Scenarios. In: Kumar, S., Alam, B., Taria, S., Singh, P., Yadav, A., Arunachalam, A. (eds) <i>Agroforestry Solutions for Climate Change and Environmental Restoration</i> . Springer, Singapore. https://doi.org/10.1007/978-981-97-5004-7_4
10.	Shekhar, C., Kumar, A., Jain, V., Prakash, S and Lal, P. (2024). Diversity, availability and pattern of use of tree stratum forage in the western Himalayas. <i>Research Advances in Environment, Geography and Earth Science</i> Vol. 8 ISBN: 978-93-48006-16-5, eBook ISBN: 9778-93-48006-772-2.
11.	Gusain, H., Dobhal, S., Ayate, D. and Lal, P. (2022). Influence of anthropogenic activities on biological diversity of forest ecosystem. <i>Towards Sustainable Natural Resources (Springer)</i> . Chapter 12

MANUALS & BOOKS	
1	Lal, P., Vasishth, A., Choudhary, S. And Kabadwal, H. (2025). Teaching Manual "Medicinal and Aromatic Plants in North West Himalaya". <i>Narendra Publishing House Publishers & Distributors</i> . First Edition ISBN : 9789356518513.
2	Lal, P., Lal, B., Dobhal, S. and Bali, R. S. (2026). Wood Anatomy. <i>Narendra Publishing House Publishers & Distributors</i> . First Edition ISBN : 978-93-7763-284-7 (HB).

Patent	
1	Dr. Sachin Yadavrao Wankhede, Navneeti Chamoli, Dr. K. Elango, Bharat Hamal Karuna Rokaya, Dr. Pankaj Lal , Utkarsh Dipak Lad and Shivam Satyawar Madrewar (2026). Handheld Micro Sprayer. Design No: 496019-001 Date: 24.03.2026 and Issue Date: 02.07.2026.



TEACHING

Wood Anatomy
Wood Products & Utilization
Logging and Ergonomics
Wood science & Technology
NTFPS (Non Timber Forest Products)
Forest Mensuration
Medicinal and Aromatic Plants
Silviculture Tree & Shrubs
Agro metrology
Soil Science



INTERESTED FIELD

NTFPs (Non Timber Forest Product)
Silviculture.
Forest ecology and environment.
Tree improvement.
Music.



RESEARCH PROJECT

S.No	Proeject Tittle	Funding Agencies	Budget	Role	Left. No
1	"Development of Forestry Models in Farmers' Participatory Mode for Enhancing Farm Income and Mitigating Climate Change in Uttarakhand"	RKVY		Co-PIs	No/CoF/SAF/627/L Date: 15/01/2026
2	Establishment of Model Nursery of Potential Aromatic Plant	Director of Horticulture Mission, Govt. Of Uttrakhand has sanctioned	15.00 lakhs	Co-PIs	UUHF/DR/2023-24/55/O Date: 27/01/2024

	Rosemary	HMNEH			
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PERSONAL PROFILE

FATHER NAME: Mr. GOPAL LAL
 MOTHER NAME: Miss PUSHPA DEVI
 DATE OF BIRTH: 12. April. 1992
 AGE: **34 Years, 06 months, 1 days**
 GENDER: MALE
 NATIONALITY: INDIAN
 LANGUAGE KNOW: ENGLISH, HINDI, GARHWALI



DECLARATION

I declare that the particulars in this application are true information to the best of my knowledge and belief.

Place: Ranichauri
Date: 12-10-2026

Pankaj Lal
 Signature of Applicant

<https://sites.google.com/view/pankaj98/conferenc-and-work-shop>
 this link please check it