

**Kumaun University, Nainital**  
**Curriculum Vitae**

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Name : Prof. Ashish Tewari

Designation : Professor

Department : Forestry

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**Educational Qualification**

Degree	University	Subjects	Year
B. Sc.	Kumaun University	Forestry, Botany, Chemistry	1989
B.Sc (Link Course)	Kumaun University	Forestry, Botany, Chemistry	1990
M.Sc.	Kumaun University	Forestry	1992
NET	NET (Agriculture Scientist Recruitment Board)	Forestry	1998
Ph.D	Kumaun University	Forestry	1999

**Work Experience (add row if required)**

Position	Department	University/Organization	Year
Assistant Professor	Forestry	Kumaun University	July, 2005
Assistant Professor	Forestry & Environmental Sciences	Kumaun University	July 2009
Assistant Professor	Forestry & Environmental Sciences	Kumaun University	July 2014
Associate Professor	Forestry & Environmental Sciences	Kumaun University	July 2017
Professor	Forestry & Environmental Sciences	Kumaun University	July 2020

**Administrative Responsibilities (add row if required)**

Position	Nature of responsibility	University/Organization	Year
Assistant Proctor		Kumaun University, Nainital	2008-2014
Chief Proctor,		Kumaun University, Nainital	2014-2017

D.S.B. Campus			
Assistant Superintendent Examination (Noon and evening session)	Managing the campus examination	Kumaun University, Nainital	2009-2018
Superintendent Examination (Noon and evening session)	Managing the campus examination	Kumaun University, Nainital	2019- 2021
Assistant DSW for D.S.B. Campus,		Kumaun University, Nainital	2018-2019 2019-2020 2022 Onwards
Member Annual Repair Committee		Kumaun University, Nainital	2017-2020
Joint Director SRICC,		Kumaun University, Nainital	2019-2023
Director, KU-IIC		Kumaun University, Nainital	September 2023 Onwards
Chairman Departmental Admission Committee (B.Sc. (Forestry) Ist Semester Self Finance &M.Sc. Ist Sem. Forestry`)		Kumaun University, Nainital	2012 Onwards

### Research Interests

Tree-water relations, Tree seed technology and Climate Change and Mitigation

### Publications (start from recent publications)

#### a) Research Papers (add row if required)

Authors name	Title of the paper	Vol, page no	Year
Singh, N., <b>Tewari, A.</b> , Shah, S., & Mittal, A.	Phenology and water relations of treeline species of Western Himalaya, India.	<b>Brazilian Journal of Botany</b> , 1-12.	2024
Singh, N., <b>Tewari, A.</b> , Shah, S., and Mittal, A.	Seasonal water relations and stress tolerance of <i>Quercus semecarpifolia</i> (Smith) in treeline areas of Western Himalaya, India	<b>Vegetos</b> , 1-12.	2023
Upadhyay, G., Tewari, A., Tewari, L.M. and Pandey, N.C.	Diversity and regeneration status of tree species in Binsar Wildlife Sanctuary, Uttarakhand, India	<b>Indian Journal of Forestry</b> , 46, 97-104	2023
Upadhyay, G., Tewari, L. M., <b>Tewari, A.</b> , Pandey, N. C., & Sekar,	Floristic diversity of Binsar wildlife sanctuary, Uttarakhand, India.	<b>Acta Ecologica Sinica</b>	2023

K. C.			
Chopra, N., Tewari, L. M., <b>Tewari, A.</b> , Wani, Z. A., Asgher, M., Pant, S., and Siddiqua, A.	Estimation of Biomass and Carbon Sequestration Potential of <i>Dalbergia latifolia</i> Roxb. and <i>Melia composita</i> Willd. Plantations in the Tarai Region (India).	<b>Forests</b> , 14(3), 646.	2023
Tamta, J., <b>Tewari, A.</b> , Tamta, K. K., and Shah, S.	Timing of phenological events and fruit ripening in <i>Ficus palmate</i> Forssk. In the Mid Himalayan Region	<b>Journal of Applied Biology and Biotechnology</b> . 11(4):109-118	2023
Singh, P., <b>Tewari A.</b> , and Pandey V.	Changes in growth pattern and rhizospheric soil biochemical properties of a leguminous tree species <i>Leucaena leucocephala</i> under long-term exposure to elevated ozone.	<b>3 Biotech</b> ,	2022
Gumber, S., Singh, R. D., Ram, J., Tewari, A., and Singh, S. P.	Bark thickness analysis of four dominant tree species of Central Himalayan forests varying in exposure to surface fires.	<b>Trees</b> , 1-11.	2022
Singh, S. P., Bhattacharyya, A., Mittal, A., Pandey, A., <b>Tewari, A.</b> , Latwal, A., and Singh, P.	Indian Himalayan timberline ecotone in response to climate change--initial findings.	<b>Current Science</b> , 120(5).	2021
Singh, P., Kannaujia, R., Narayan, S., <b>Tewari, A.</b> , Shirke, P. A., and Pandey, V.	Impact of chronic elevated ozone exposure on photosynthetic traits and anti-oxidative defense responses of <i>Leucaena leucocephala</i> (Lam.) de wit tree under field conditions.	<b>Science of the Total Environment</b> , 782, 146907.	2021
Pathak, G.C.; Joshi, H.; Singh, R.D.; <b>Tewari, Ashish</b> ; Pandey, R., and Singh, S.P.	Vertical root distribution in Himalayan trees: about half roots occur below 30cm, the generally sampled depth.	<b>Tropical Ecology</b> , 62:479-491.	2021
Singh, S.P., Bhattacharyya, A. Mittal, A., Pandey, <b>A., Tewari, Ashish</b> , Latwal, A., Davis, B., Adhikari, B.S., Kumar, D., Negi, G.C.S., Mir, I.A., Tamta, K.K., Sambhav, K., Shekhar, M., Phulara, M., Singh, N., Tewari, P., Ranhotra, P.S., Singh,	Indian Himalayan timberline ecotone in response to climate change- initial findings.	<b>Current Science</b> , 120(5):859-871.	2021

P., Dhaila, P., Sah, P., Kumar, R., Joshi, R., Rawal, R.S., Rawal, R., Singh, R.D., Shah, S., Sharma, S., Nanda, S.A., Gumber, S., Singh, U., and Reshi, Z			
Joshi, B. C., Rawal, R. S., Sekar, K. C., and <b>Tewari, A.</b>	Assessment of fuelwood resource preference in representative watershed of west Himalaya, India: conservation and management implications.	<b>Environment, Development and Sustainability</b> , 22(2), 1617-1632.	2020
Pant, H., & <b>Tewari, A.</b>	Green sequestration potential of chir pine forests located in Kumaun Himalaya.	<b>Forest Products Journal</b> , 70(1), 64-71.	2020
<b>Tewari, A.</b>	Water Relations of two adjacently growing tree species <i>Shorea robusta</i> Gaertn. and <i>Pinus roxburghii</i> Sarg. In the lower Himalayan region.	<b>Current world Environment</b> , 15(3):1-8	2020
Mittal, A.; Singh, N.; <b>Tewari, Ashish</b> , Shah, S.	Cone maturation timing and seed germination in <i>Pinus roxburghii</i> (Serg.) in the central Himalayan region of Uttarakhand, India.	<b>Ecology, Environment and Conservation</b> 26(S1): S286-290.	2020
Verma, A. and <b>Tewari, A</b>	Seedling mortality and timing of phenological events in <i>Quercus semecarpifolia</i> dominated forests in Kumaun Himalayan region.	<b>Indian Journal of Ecology</b> 47(2): 397-403	2020
Mittal, A.; Singh, N. and <b>Tewari, A.</b>	Quantitative analysis and regeneration status of forest trees species in Kumaun Central Himalaya.	<b>Indian Journal of Ecology</b> 47(2): 507-513	2020
Singh, N.; <b>Tewari, A.</b> ; Shah, S.	Catkin maturation timing and seed germination in <i>Betula utilis</i> (D. Don) in the western Himalayan treeline area of Uttarakhand.	<b>Journal of Advanced Scientific Research</b> 11(2): 145-151	2020
Jyotsna, <b>Tewari, A.</b> ; Shah, S., Tamta, K.K. and Singh, N	Fruit maturation and germination in <i>Ficus auriculata</i> Lour. A lesser known multipurpose tree species in Kumaun Himalayan region.	<b>Ecology, Environment and Conservation</b> 26(1): 142-147	2020
Tewari, B. and <b>Tewari, A.</b>	Capsule maturation timing in <i>Rhododendron arboreum</i> Smith in the Central Himalayan region.	<b>Indian Journal of Ecology</b> 46(4): 768-771	2019
<b>Tewari, A.</b> , Shah, S., Singh, N., Tamta, K.K. and Mittal, A.	Acorn maturation and regeneration problem in <i>Quercus semecarpifolia</i> Sm. in Himalayan treeline.	<b>International Journal of Scientific &amp; Technology Research</b> 8(11):3781-3787.	2019
Singh, N. <b>Tewari, A.</b> ;	Water Relations and Phenological	<b>SYLWAN</b>	2019

Shah, S. and Mittal, A.	Events of two Treeline <i>Rhododendron</i> species in Indian Western Himalaya	163(10): 64-76.	
Singh, N. <b>Tewari, A.</b> and Shah, S.	Tree Regeneration Pattern and size class distribution in anthropogenically disturbed sub-alpine treeline areas of Indian Western Himalaya.	<b>International Journal of Scientific &amp; Technology Research</b> 8(8):537-546.	2019
<b>Tewari, A.;</b> Shah, S.; Singh, N. and Mittal, A.	Treeline species in Western Himalaya are not water stressed: a comparison with low elevation species.	<b>Tropical Ecology</b> 59(2):313-325.	2018
Tamta, K.K. and <b>Tewari, A.</b>	Assessing the resource potential of Cheura ( <i>Diploknema butyracea</i> Roxb.) in Kumaun region of Uttarakhand.	<b>International Journal of advanced Research and Development.</b> 3(2):1214-1217.	2018
Joshi, B.C.; Rawal, R.S.; Sekar, K.C. and <b>Tewari, A.</b>	Assessment of fuelwood resource preference in representative watershed of west Himalaya, India: conservation and management implications.	<b>Environment, Development and Sustainability.</b> 1-16.	2018
Lavania, P.; Singh, R.P.; <b>Tewari, A.</b> and Sharma, H.K.	Studies on seed maturity indices of <i>Acacia nilotica</i> in Uttar Pradesh.	<b>Journal of Pharmacognosy and Phytochemistry</b> 7(5): 192-195.	2018
Tamta, K.K. and <b>Tewari, A.</b>	Indicators of seed maturation in <i>Prunus armenica</i> L. in Indian Himalayan Region. International	<b>Journal of Research and Analytical Reviews</b> 5(4): 860-866.	2018
Gumber, S.; <b>Tewari, A.</b> and Tewari, B.	Loranthus ( <i>Taxillus vestitus</i> ) infestation in mixed oak forest sites in and around Nainital catchment of Central Himalayan Region.	<b>Indian forester</b> 143(7): 671-675.	2017
Mittal, A.; <b>Tewari, A.</b> and Singh, N.	Indicators of seed maturation in <i>Cornusmacrophylla</i> Wall. In Kumaun Himalaya, India	<b>Journal of Environment and Biological Science</b> 31(1): 69-73.	2017
<b>Tewari, A.</b> and Mittal, A.	Effect of artificially induced drought stress on seedlings of <i>Pinus roxburghii</i> Sarg.	<b>Journal of Applied Biology and Biotechnology.</b> 5(01): 76-78.	2017
Upreti, B.M.; Tewari, L. and <b>Tewari, A.</b>	Role of Plants Used in Religious and Cultural System by Local Inhabitants of Sacred Forests of district Pithoragarh, Kumaun Himalaya.	<b>Biolife.</b> 5(1): 7-11.	2017
Bohra, N., Tewari, L.M. and <b>Tewari, A.</b>	Ethnobotany of wild edible plants traditionally used by the local people in the Ramnagar region	<b>Biolife.</b> 5(1): 12-19.	2017

	from Nainital District, Uttarakhand, India.		
Rawat, J.N. Rawat, B.; <b>Tewari, A.</b> ; Joshi, S.C.; Nandi, S.K.; Palni, L.M.S.; and Prakash, A.	Alterations in growth, photosynthetic activity, and tissue-water relations of tea clones in response to different soil moisture content.	<b>Trees Structure and Function</b> 31(3):941-952.	2017
<b>Tewari, A.</b> ; Bhatt, J. and Mittal, A.	Influence of tree water potential in inducing flowering in <i>Rhododendron arboreum</i> in the central Himalayan region.	<b>iForest</b> 9: 842-846.	2016
Shah, S. & <b>Tewari, A.</b>	Limited impact of climate change on seed maturation time in <i>Myrica esculenta</i> Buch-Ham. Ex. D. Don in Himalayan region. International	<b>Journal of Environment, Agriculture and Biotechnology</b> 1(4): 713-717.	2016
Tewari, B. and <b>Tewari, A.</b>	Seed germination in <i>Prunus cerasoides</i> D. Don influenced by natural seed desiccation and varying temperature in Central Himalayan region of Uttarakhand, India.	<b>International Journal of Bioassays</b> . 5(5): 4567-4572.	2016
<b>Tewari, A.</b> ; Bhatt, J.; Mittal, A.; Singh, N. and Tamta, K.K.	Regeneration issues and indicators of seed maturity in <i>Mallotus phillipensis</i> Muel. Arg. In the tropical forests of Uttarakhand.	<b>Ecology Environment. &amp; Conservation</b> . 22(2): 767-773	2016
Bharti, M.; Tewari, L.; <b>Tewari, A.</b> and Joshi, N.	Impact of alien invasive species on soil physiochemical characteristics in tropical sal forests, Uttarakhand, India.	<b>Journal of chemical Engineering and Chemistry Research</b> . 3(11) 1057-1061	2016
Upreti, B.M.; Tewari, L. <b>Tewari, A.</b> ; and Joshi, N.	Physiochemical characterization of soil collected from sacred and non-sacred forests of Uttarakhand: A comparative study.	<b>Journal of chemical Engineering and Chemistry Research</b> . 3(11): 989-992	2016
Tamta, K.K., <b>Tewari, A.</b> and Pandey, V.	Biomass and carbon sequestration rate in a young Eucalyptus hybrid plantation of Terai Central Forest Division.	<b>Journal of Biodiversity and Environmental Sciences</b> . 8(4): 20- 25.	2016
Barola, A., Goyden, K., and <b>Tewari, A.</b>	A case study on Van Panchayat of Kashiyalekh in Kumaun Himalaya	<b>ENVIS Bulletin Himalayan Ecology</b> 24: 120-122	2016
Bhatt, J., <b>Tewari, A.</b> and Mittal, A.	Regeneration problem in <i>Quercus leucotrichophora</i> A. Campus in Nainital forest division of Kumaun Himalaya.	<b>International Journal of Pure &amp; Applied Bioscience</b> , 3(3): 284-290	2015
Singh, N., Ram, J., <b>Tewari, A.</b> and Yadav, R.P.	Phenological events along the elevation gradient and effect of climate change on <i>Rhododendron</i>	<b>Current Science</b> , 108(1):106-110.	2015

	<i>arboreum</i> Sm. in Kumaun Himalaya		
<b>Tewari, A.</b> , Shah, S., Singh, N., and Tamta, K.K.	Diploknemabutyracea (roxb.) lamb: a viable livelihood option for hill Communities of Central Himalayan Region	<b>International Journal of Recent Scientific Research</b> , 6(5), 3937-3940	2015
Kishor, K., Upreti, B.M., Pangtey, Y.P.S., <b>Tewari, A.</b> , and Tewari, L.M.	Propagation and conservation of Himalayan Yew ( <i>Taxus baccata</i> L.) through air layering: A simple method of clonal propagation	<b>Annals of Plant Science</b> , 4(04): 1064-1067	2015
Verma, A., Shah, S., and <b>Tewari, A.</b>	Survival problem in regeneration of high altitude kharsu oak ( <i>Quercus semecarpifolia</i> Smith.) forests in Central Himalaya	<b>International Journal of Bioassays</b> 4 (03): 3689-3692	2015
<b>Tewari, A.</b> , Shah, S., Singh, N., and Tamta, K.K.	Diploknemabutyracea (roxb.) lamb: a viable livelihood option for hill Communities of Central Himalayan Region	<b>International Journal of Recent Scientific Research</b> , Vol. 6, Issue 5, pp.3937-3940	2015
Singh, N., Ram, J., <b>Tewari, A.</b> , and Yadav, R.P.	Phenological events along the elevation gradient and effect of climate change on <i>Rhododendron arboreum</i> Sm. in Kumaun Himalaya	<b>Current Science</b> , vol. 108, no. 1, pp. 106-110	2015
Pandey, V., Tewari, B., <b>Tewari, A.</b> , and Ram, J.	Comparison of Tree Vegetational Parameters Within and Outside a Protected Area of Kumaun	<b>International Journal of Multidisciplinary Approach and Studies</b> , 01 (5):121-135	2014
Pandey, V., Tewari, B., <b>Tewari, A.</b> , and Ram, J.	Vegetational parameters in different disturbance regimes in Corbett National Park	<b>International Journal of Multidisciplinary Approach and studies</b> , 01 (6):167-184	2014
Pant, H., and <b>Tewari, A.</b>	Carbon Sequestration Potential of Chir Pine ( <i>Pinus roxburghii</i> . Sarg) Forest on Two Contrasting Aspects in Kumaun Central Himalaya between 1650-1860 m Elevation	<b>Applied Ecology and Environmental Sciences</b> , Vol. 1(6), 110-112	2013
Shah, S., <b>Tewari, A.</b> , and Verma, A.	Timing of Shifts in seed maturity indices in <i>Myrica esculanta</i> , Buch. Ham. Ex. D. Don and <i>Pyracantha crenulata</i> Roxb. Influenced by climatic irregularities in Kumaun regions of Central Himalaya	<b>J. Env. Bio.-Sci.</b> Vol. 27 (1), 47-51	2013
Rawat, V.S., and <b>Tewari, A.</b>	Carbon accumulation by community managed forests: Facilities for payment and conservation	<b>PENCIL Publication of Agricultural Sciences</b> Vol. 1(1), 1-6	2013
Arti Verma, <b>Ashish Tewari</b> , and Shruti Shah	Carbon storage capacity of high-altitude <i>Quercus semicarpifolia</i> forests of Central Himalayan region	<b>Scandinavian Journal of Forest Research</b> , 27:609-618	2012
Vishal Singh, <b>Ashish</b>	Formulating allometric equations	<b>Forest Ecology and</b>	2011

Tewari, SPS Kushwaha, and V.K.Dadwal	for estimating biomass and carbon in small diameter trees	<b>Management</b> , d.o.i.10.1016/J.Foreco.2011	
Finn Danielsen, Margaret Skutsch, Neil D. Burgess, Per Moestrup Jensen, Pushkin Phartiyal, S. P. Singh, ..., <b>Ashish Tewari</b> , Richard Young, et al.	At the heart of REDD+: a role for local people in monitoring forests?	<b>Conservation Letters</b> , 00:1-10	2011
S. Shah, <b>Ashish Tewari</b> , B. Tewari, and R.P. Singh	Seed maturation indicators in Myrica esculenta, Buch-Ham. Ex. D.Don.: a multipurpose tree species of subtropical-temperate Himalayan region	<b>New Forest</b> , 40:9-18	2010
R.P. Singh, <b>Ashish Tewari</b> , S. Shah, and B. Tewari	Seed maturity indices in Aisandrabyracea Lamb. - A multipurpose tree species of lower Himalaya	<b>Journal of Environmental Biology</b> , 31:297-299	2010
D. Arya, <b>Ashish Tewari</b> , and S. Shah	Erosion of biodiversity knowledge between younger and older generation regarding plant identification and their uses in oak and pine dominated zone of Garhwal Himalaya	<b>New York Science Journal</b> , 3(6):108-111	2010
B. Tewari, <b>Ashish Tewari</b> , S. Shah, N. Pande, and R.P. Singh	Physical attributes as indicator of seed maturity and germination enhancement in Himalayan wild cherry ( <i>Prunus cerasoides</i> D.Don.)	<b>New Forest</b>	2010
S. Shah, <b>Ashish Tewari</b> , & B. Tewari	Impact of human disturbance on forest vegetation and water resources of Nainital catchment	<b>Nature and Science</b> , 7(10):74- 78	2009
B. Joshi, <b>Ashish Tewari</b> , & Y.S. Rawat	Effect of drought and temperature on population dynamics of <i>Q. floribunda</i> Lindl. seedlings under denser and lighter canopied microhabitats	<b>Nature and Science</b> , 7(1), pp. 84-90	2009
B. Joshi and <b>Ashish Tewari</b>	Irregularity in Frequency of Mast Seed Years in <i>Quercus Floribunda</i> a Late Successional Species of Central Himalaya	<b>Russian Journal Of Ecology</b> , 40(1) No. 7, pp. 482-485	2009
V. Singh, <b>Ashish Tewari</b> , J. Ram, & C. Singh	Aspect related changes in biomass stocks and carbon sequestration rates of <i>Shorea</i> <i>robusta</i> (Sal) forest of Central Himalaya	<b>Report and Opinion</b> , 1(2): 56- 60	2009
B. Kumar, D.K. Upreti, S.P. Singh, & <b>Ashish Tewari</b>	Seasonal patterns of lichen fall from trees in an evergreen <i>Quercus semecarpifolia</i> forest of Garhwal Himalaya, India	<b>Nature &amp; Science</b> , 7(3): 8-11	2009



P.B. Rao, A.Kaur, and <b>Ashish Tewari</b>	Drought resistance in seedlings of five important tree species in Tarai region of Uttrakhand	<b>Tropical Ecology</b> , 49(1): 43-52	2008
A.K. Srivastava, <b>Ashish Tewari</b> , S. Shah, & B. Tewari	Species composition and regeneration pattern along a transect perpendicular to a river course in foot-hill deciduous tropical forest of Kumaun	<b>Indian Journal of Forestry</b> , 31(1):7-12	2008
<b>Ashish Tewari</b> , V. Singh, & P. Phartiyal	The potential of community managed forests for carbon trade	<b>Leisa</b> , 24:32-33	2008
D. Giri, <b>Ashish Tewari</b> , & Y.S. Rawat	Vegetational analysis in mixed banj ( <i>Quercus leucotrichophora</i> A. Camus)-Tilonj oak ( <i>Quercus floribunda</i> Lindl.) forests in Nainital catchment	<b>Indian Journal of Forestry</b> , 31(2):167-174	2008
M.D. Bhatt, <b>Ashish Tewari</b> , & S.P. Singh	Influence of herbicidal treatment and manual weeding on growth and yield of paddy in upland rainfed areas of Nepal	<b>Geobios</b> , 35:169-174	2008
C.S. Bohra, B.S. Jina, & <b>Ashish Tewari</b>	Agroforestry patterns in the Bhabhar region of central Himalaya	Ecology, Environment & Conservation, 13(2):345-350	2007
L. Upadhyay, R.P. Singh, <b>Ashish Tewari</b> , S. Bisht, & S. Shah	Seed maturation in <i>Bauhinia retusa</i> Ham. In Kumaun central Himalayas	<b>Indian Journal of Forestry</b> , 29(4):367-371	2006
S.P. Singh, Donald B. Zobel, Satish C. Garkoti, <b>Ashish Tewari</b> , & CMS Negi	Patterns in water relations of central Himalayan trees	<b>Tropical Ecology</b> , 47(2): 159-182	2006
Shruti Shah, Bhawana Tewari, Swati Bisth, & <b>Ashish Tewari</b>	Seed Maturation indicators in <i>Pyracantha crenulata</i> Roxb. In Kumaun central Himalaya	<b>New Forest</b> , 32:1-7	2006
Man Dev Bhatt and <b>Ashish Tewari</b>	Losses in growth and yield attributes due to weed composition in transplanted paddy in terai region	<b>Scientific World</b> Vol. 4, No. 499-102	2006
Vishal Singh, <b>Ashish Tewari</b> , Munish Gupta, & Jeet Ram	The Pre logged stocks of carbon in <i>Shorea Robusta</i> and <i>Quercus semecarpifolia</i> forests of Uttaranchal and their C Sequestration rates- a tradeable NTFP	<b>Indian Journal of Forestry</b> , 7(1):1-5	2006
M.D. Bhatt, S.P. Singh, & <b>Ashish Tewari</b>	Impact of weeds on paddy biomass in upland rainfed areas of terai region of Nepal	<b>Ecoprint</b> , 13:15-22	2006
<b>Ashish Tewari</b> and Pushkin Phartiyal	The Carbon Market as an Emerging Livelihood opportunity for communities of the Himalaya	<b>Mountain Development</b> No.49: 26-27	2006
S.P. Singh, <b>Ashish Tewari</b> , & B.S. Jina	Carbon sequestration in Forests of central Himalaya: considerations for soil carbon	<b>International Journal of Ecology and Environmental Sciences</b> , 32(1):45-48	2004

	storage and carbon trade		
K. Bargali and <b>Ashish Tewari</b>	Growth and water relations parameters in drought stressed <i>Coriarianepalensis</i> seedlings	<b>Journal of Arid Environment</b> , Elsevier UK, 58:505-512	2004
T. Bisht, S. Shah, B. Tewari, & <b>Ashish Tewari</b>	Study of Important Medicinal Trees, shrubs and herbs for some vegetational parameters between 300-2000 m elevation	<b>Ecology Environment and Conservation</b> , 10(1):43-46	2004
Zobel, D.B., S.C. Garkoti, S.P. Singh, <b>Ashish Tewari</b> , & CMS Negi	Patterns of water potential among forest types of the central Himalaya	<b>Current Science</b> , 80(6):774-779	2001
Tewari, P., <b>A. Tewari</b> , and Jeet Ram	Seed characteristics and germination behavior of some important conifer trees of central Himalaya	<b>Indian Journal of Tropical Forest Science</b> , 13(1):140-147	2001
Khera, N., A. Kumar, J. Ram, & <b>Ashish Tewari</b>	Plant biodiversity assessment in relation to distribution in mid elevation forest of Central Himalaya	<b>Tropical Ecology</b> , 42(1): 83-95	2001
Sharma, N., <b>Ashish Tewari</b> , & S.K. Singh	Water relations study on seedlings of <i>Quercus leucotrichophora</i> in a greenhouse	<b>Eco. Env. and Conservation</b> , 7(3)	2001
Singh, S.P., <b>Ashish Tewari</b> , S.K. Singh, & G.C. Pathak	Significance of phenologically asynchronous populations of the central Himalayan oaks in drought adaptation	<b>Current Science</b> , 79(3):353-357	2000
<b>Ashish Tewari</b>	Water status measurement in banj oak ( <i>Quercus leucotrichophora</i> A. Camus) forests in Kumaun Central Himalaya	<b>Journal of Environmental Biology</b> , 21(1):23-27	2000
Agni, T., A. Pandit, <b>Ashish Tewari</b> , & K. Pant	Analysis of tree vegetation in the Tarai Bhabhar tract of Kumaun Central Himalaya	<b>Indian Journal of Forestry</b> , 23(3):252-261	2000
<b>Ashish Tewari</b> , & C. M.S. Negi	Water status measurement of <i>R. arboreum</i> Smith in mixed oak-conifer forests in Kumaun Central Himalaya	<b>Journal of Tropical Forestry</b> , 16(4): 46-51	2000
<b>Ashish Tewari</b>	Tree water relation study in Sal ( <i>Shorea robusta</i> Gaertn) forests in Kumaun Central Himalaya	<b>Journal of Environmental Biology</b> , 20(4):351-355	1999
Pant, K., A. Pandit, <b>Ashish Tewari</b> , & R.S. Koshyari	Agroforestry Patterns in the Tarai Region of Central Himalaya	<b>Indian Journal of Forestry</b> , 22(2):123-128	1999
<b>Ashish Tewari</b> , S. K. Singh, & G. C. Pathak	Tree layer analysis of three major forest forming species of Kumaun Central Himalaya	<b>Journal of Ecobiology</b> , 2(1):23-28	1999
Singh, R.P., F. Mohsin, <b>Ashish Tewari</b> , & J. Ram	Yield of some aromatic plants in Agro-forestry practices in Tarai region of Kumaun, India	<b>International Seminar on Sustainable forest Management</b> , Pokhara, Nepal,	1998

		Pp 252-256	
S. Usman, G. Chandra, S.K. Singh, & Ashish Tewari	Vegetational analysis of herb layer in oak and pine forest of central Himalayan	<b>Journal of Ecobiology</b> , 10(4):251-256	1998
Pandit, A., <b>Ashish Tewari</b> , & J. Ram	Tree layer analysis and regeneration in a mixed conifer-oak forest in central Himalaya India	<b>Indian Journal of Forestry</b> , 21(4):290-297	1998

b) Patents (start from recent publications)(add row if required)

Authors name	Title of the patent	Patent no (Granted or filed)	Year
NIL			

c) Books (start from recent publications)(add row if required)

Authors name	Title of the book	Publisher	ISBN	Year
G. Tewari, A. Tewari, L.M. Tewari & C. Pande	Natural Products and their utilization Pattern	NOVA Science Publishers, 2020	ISBN:978-1-53618-140-1	2020
B.M. Upreti, Ashish Tewari, L.M. Tewari & N.C. Pandey	Sacred Forests of Pithoragarh, Western Himalaya, India	Indu Book Services Pvt. Ltd.	ISBN: 978-93-86754-44-8	2019
R. Semwal, Ashish Tewari, G.C.S.Negi, R. Thadani & P. Phartiyal.	Valuation of ecosystem services and forest governance. A scoping study from Uttarakhand	Lead India, New Delhi		2007

a) Book chapters (start from recent publications)(add row if required)

Authors name	Title of the book	Publisher	ISBN	Year
<b>Tewari, A.</b> , Shah, S., Jyotsna & Tewari, B.	Sustainable Utilization and Conservation of Biological Wealth	Indu Book Services Pvt. Ltd.	978-93-91377-88-5	2024
<b>Tewari, A.</b> , Shah, S., Singh, N., Mittal, A., & Tamta, K. K.	In Ecology of Himalayan Treeline Ecotone	Springer Nature Singapore		2023
<b>Tewari, A.</b> , Shah, S., Singh, N., Tamta, K. K. & Mittal, A.,	Interpreting mountain treelines in a changing world 9789291157235 (Electronic)	CHEA & ICIMOD	9789291157242 (PRINT)	2021
<b>Tewari, A.</b> , Shah, S., Singh, N.	Natural Products and their utilization Pattern	Editors: G. Tewari, A. Tewari, L.M. Tewari NOVA Science Publishers,	ISBN:978-1-53618-140-1	2020

		2020		
<b>Tewari, A.,</b> Tamta, K. K. & Jyotsana	Natural Products and their utilization Pattern	Editors: G. Tewari, A. Tewari, L.M. Tewari NOVA Science Publishers, 2020	ISBN:978-1- 53618-140-1	2020
L.M. Tewari, G. Tewari, Neha Chopra, <b>Tewari,</b> <b>A.,</b> Naveen C. Pandey, Manish Kumar	Natural Products and their utilization Pattern	Editors: G. Tewari, A. Tewari, L.M. Tewari NOVA Science Publishers, 2020	ISBN:978-1- 53618-140-1	2020
<b>Tewari, A.,</b> Shah, S., Tewari, P.	Migration from Indian Himalayan Region: Challenges and Strategies	Editor: Prof Atul Joshi, Jagdamba Publishing Company, New Delhi 2018	ISBN:978-92- 85437-17-5	2018
LM Tewari, BM Upreti, N Bohra, N Chopra, NC Pandey, M Bharti, A <b>Tewari.</b>	Nutraceuticals and pharmaceuticals from medicinal Plants	Editors: Dr. Pawan Kumar 'Bharti', Dr. M.M. Abid ali Khan & Dr. Ashk K. Rathoure, Discovery Publishing House Pvt. Ltd., New Delhi 2018	ISBN:978-93- 86841-55-1	2018

b) Conference Publications/Proceedings (start from recent publications)(add row if required)

Authors name	Title of the paper	Conference name	Year
Ikramjeet Maan, Yogesh Chandra Tripathi and Ashish Tewari	"Regeneration Failure In Quercus Floribunda At Lower Elevation Range Due To Climate Change"	18 <sup>th</sup> Uttarakhand State Science and Technology Congress (USSTC)	2024
Ashish Tewari, Ikramjeet Maan, and Yogesh Chandra Tripathi	"Water relations of Quercus floribunda dominated forest in the Kumaun Himalayan region."	International Conference on Current Approaches in Agricultural, Biological & Applied Sciences for Sustainable Development	2024
<b>Tewari, A.</b>	"Carbon Sequestration Potential of Forest of Uttarakhand"	5 <sup>th</sup> PSRM National Conference on Agriculture, Applied and Life Sciences: Current Research	2022
<b>Tewari, A.</b>	" Migration issue in Uttarakhand and possible suggestions for its mitigation"	National Seminar on "Migration from Indian Himalayan Region: Challenges and Strategies"	2020
Tamta, K. K., <b>Tewari, A.</b>	"Oil yield and resource potential of <i>Diploknema butyracea</i> Roxb. In Kumaun Himalayan Region"	"Energy, functional materials and nanotechnology & sustainable environment management" (ICEFN& SEM- 2019)	2019

<b>Tewari, A.,</b> Shah, S., Singh, N.,	“Impact of climate change on tree water relations of <i>Betula utilis</i> D.Don in treeline area of Western Himalaya”	“Recent Trends and Practices in Science, Technology, Management and Humanities for Sustainable Rural Development”	2019
<b>Tewari, A.,</b> Shah, S., Singh, N., Tamta, K. K. & Mittal, A.,	“Water relations of tree species in the Himalayan region of Uttarakhand”	Global perspective in Agriculture and applied sciences for food and environment security	2019
<b>Tewari, A.</b>	Developing an understanding of relationship between migration and unemployment in Kumaun region of Uttarakhand	Sustainable Development in Indian Himalayan Region: Prospects and Challenges	2016
<b>Tewari, A.</b>	Effect of <i>Echinochloa colona</i> L. and <i>Cyperus iria</i> L. extract on seedling growth of rice and soyabean	International Conference on “Energy, Functional Materials & Nanotechnology” (ICEFN-2016)	2016
S Shah, A <b>Tewari, B</b> Tewari, <u>RP Singh</u>	Assessing Regeneration Potential and Developing Reliable Indicators of Seed Maturity in <i>Myrica esculenta</i> , Buch-Ham. Ex D. Don, in Kumaun Central Himalayan Region	National Seminar on Plants and Environment	2016

### Projects (Ongoing)

S.no	Title of the project	Funding agency	Amount (Rs)	Year
1	Reproductive Phenology and Soil Seed Banks of <i>Fraxinus micrantha</i> Wall stands in Nainital Forest Division. <b>(As PI)</b>	Kumaun University	1.85 lakhs	2024
2	Studies on Conservation of Selected Ethno botanically Important Wild Edible Plants of Kumaun Himalaya. <b>(As Co-PI)</b>	Mukhyamantri ucha sikhsha sot protsahan yojana	11.05 lakh	2024
3	Water relations, drought adaptation and phenological variations due to climate change in <i>Quercus floribunda</i> forests in the Western Himalayan region of Uttarakhand. <b>(As PI)</b>	SERB, DST	36 lakhs approx	2023

### Projects (Completed)

Sl. No.	Title of the Project	Funding Agency	Amount(Rs)	Year (From-To)
1	Tree Water Relation: Another Perspective determining altitudinal limits of timber lines in the Himalayan region. Funded by. <b>(As PI)</b>	MOEF&CC	38.20 lakh plus approx 20 lakh in extension period of two years	2016-2021
2	Ecological, taxonomical and ethno-botanical study of wild edible plants	IERP Project, GBPNIHESD, Kosi	13.65lakh approx	2016 - 2019

	of Nainital district in Uttarakhand India. <b>(As Co-PI)</b>	Katarmal		
3	Establishment of an Ideal Nursery of Amala and Tejpat at chamoli district. <b>(As Co-PI)</b>	Herbal Research and Development Institute, Gopeshwar	20.0 lakh Approx.	2013-2017
4	Promotion of Cheura and Wild Apricot through plantation and trainings in Kumaun region of Uttarakhand. <b>(As PI)</b>	NMOOP, New Delhi	12.41lakh approx	2015-2017
5	Promotion of Cheura and Wild Apricot through plantation and trainings in Kumaun region of Uttarakhand. <b>(As PI)</b>	NMOOP, New Delhi	12.41lakh approx	2015-2017
6	Timing of phenological shifts effected by water stress due to changing climatic pattern under varying disturbance levels in Kumaun Central Himalaya. <b>(As PI)</b>	DST New Delhi	31 lakh approx.	2012-2015
7	Hazard zonation mapping and forest risk modeling in Bageshwar district. <b>(As Co-PI)</b>	UCOST, Uttarakhand	7 lakh Approx	2007-2010
8	Soil Vegetation and Carbon Fluxes, A sub project of National Carbon Project. <b>(As PI)</b>	IIRS, Dehradun	9.05lakh approx	2008-2011

**Teaching details (add row if required)**

Name of the course/paper	Department	University	Year
<b>UG Traditional (Forestry as one subject)</b>			
1.	<ul style="list-style-type: none"> <li>Silviculture &amp; Silviculture system in (Annual mode)</li> <li>Principles of Silviculture</li> <li>Silviculture Systems</li> </ul>	Department of Forestry, DSB Campus	Kumaun University, Nainital
			2014-16 2016-17 2016-17
2.	Forest Management & Wildlife	Department of Forestry, DSB Campus	Kumaun University, Nainital
3.	Forest Protection	Department of Forestry, DSB Campus	Kumaun University, Nainital
			2014-18
<b>UG Semester system</b>			
4.	<p><b>B.Sc. I Semester</b></p> <ul style="list-style-type: none"> <li>Principals of Silviculture &amp; Silviculture Systems</li> </ul> <p><b>B.Sc. II Semester</b></p> <ul style="list-style-type: none"> <li>Silviculture of Indian</li> </ul>	Department of Forestry, DSB Campus	Kumaun University, Nainital
			2017-2020 2017-2019

	Trees & Silvicultural Systems • Forest Management			2019-2020
5.	<b>B.Sc. III Semester</b> • Forest Management <b>B.Sc. IV Semester</b> • Wildlife Management	Department of Forestry, DSB Campus	Kumaun University, Nainital	2017-2019
6.	<b>B.Sc. V Semester</b> • Forest Entomology <b>B.Sc. VI Semester</b> • Forest Physiology	Department of Forestry, DSB Campus	Kumaun University, Nainital	2017-2020
<b>M.Sc. (Forestry) Annual system</b>				
7.	Silviculture  Silviculture systems	Department of Forestry, DSB Campus	Kumaun University, Nainital	2006-2010
8.	Natural Resource Management and Economics Advances in Forest Management  Forest Resources and Forest Economics	Department of Forestry, DSB Campus	Kumaun University, Nainital	2006-2010
<b>M.Sc. (Forestry) Semester system</b>				
9.	<b>M.Sc. I Semester</b> Advances in silviculture  Remote Sensing and GIS	Department of Forestry, DSB Campus	Kumaun University, Nainital	2010-2017  2010-2014
10.	<b>M.Sc. II Semester</b> Natural Resource Management and Economics Advances in Forest Management  Forest Resources and Forest Economics  Research Methodology	Department of Forestry, DSB Campus	Kumaun University, Nainital	2014-2017  2012-2014  2012-2014
11.	<b>M.Sc. III Semester</b> Climate change, Remote sensing and Geographical Information System  Economics of Agroforestry Systems	Department of Forestry, DSB Campus	Kumaun University, Nainital	2014-2017  2012-2014

12.	<b>M.Sc. IV Semester</b> Special Paper Tree Seed Technology)	Department of Forestry, DSB Campus	Kumaun University, Nainital	2011-2024
13.	Dissertations	Department of Forestry, DSB Campus	Kumaun University, Nainital	2011-2024
<b>B.Sc. (Forestry) 4 year degree course</b>				
14.	Principles of silviculture (I <sup>st</sup> Semester)	Department of Forestry, DSB Campus	Kumaun University, Nainital	2014-2024
15.	Tree Physiology (V <sup>th</sup> semester)	Department of Forestry, DSB Campus	Kumaun University, Nainital	2014-2024
16.	Forest Economics (VI <sup>th</sup> semester)	Department of Forestry, DSB Campus	Kumaun University, Nainital	2014-2024
17.	Remote Sensing & GIS in Forestry (VIII <sup>th</sup> Semester)	Department of Forestry, DSB Campus	Kumaun University, Nainital	2014-2024
<b>PG Diploma in Mountain Ecosystem &amp; Climate Change</b>				
18.	Climate change: An overview I <sup>st</sup> semester	Department of Forestry, DSB Campus	Kumaun University, Nainital	2014-16
19.	Forest fire & Ecosystem restoration II <sup>nd</sup> Semester	Department of Forestry, DSB Campus	Kumaun University, Nainital	2014-16

**Professional Memberships (add row if required)**

Organization	Position	Year
The Linnean Society of London	Member	2024

**Honours and Awards(add row if required)**

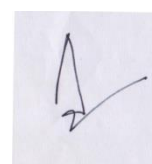
Award	Awarding Organization	Year
Prof. K.S Valdia Research Award	Research and Industrial Cell	2022
Prof. Y.P.S Pangtey Research Award	Research and Industrial Cell	2021
Young Scientist Award	VDGOOD Technology Factory	2020

**Conference Presentations (add row if required)**

Title of presentation	Conference name	Name of the institution	Year
“Water relations of Quercus floribunda dominated forest in the Kumaun Himalayan region.”	International Conference on Current Approaches in Agricultural, Biological & Applied Sciences for Sustainable Development	Faculty of Agriculture and Agroforestry, Kumaun University, Nainital and Agro Environmental Developmental Society (AEDS)	1-3 March 2024



“ Migration issue in Uttarakhand and possible suggestions for its mitigation”	National Seminar on “Migration from Indian Himalayan Region: Challenges and Strategies”	Department of Commerce, D.S.B. Campus & IPSDR, Kumaun University, Nainital	19 & 20 November 2020
“Oil yield and resource potential of <i>Diploknema butyracea</i> Roxb. In Kumaun Himalayan Region”	“Energy, functional materials and nanotechnology & sustainable environment management” (ICEFN& SEM-2019)	Nanoscience & Nanotechnology Centre, Department of Chemistry, Kumaun University, Nainital, India	24-26 May 2019
“Impact of climate change on tree water relations of <i>Betula utilis</i> D.Don in treeline area of Western Himalaya”	“Recent Trends and Practices in Science, Technology, Management and Humanities for Sustainable Rural Development”	Department of Rural Development, University of science and Technology, Meghalaya	6 <sup>th</sup> -7 <sup>th</sup> September 2019
“Water relations of tree species in the Himalayan region of Uttarakhand”	Global perspective in Agriculture and applied sciences for food and environment security	Agriculture & Environmental Technology Development Society (AETDS)	1-2 December 2019
Developing an understanding of relationship between migration and unemployment in Kumaun region of Uttarakhand	Sustainable Development in Indian Himalayan Region: Prospects and challenges	Department of commerce, D.S. B. Campus, Kumaun University, Nainital	2016
Effect of <i>Echinochloa colona</i> L. and <i>Cyperus iria</i> L. extract on seedling growth of rice and soyabean	International Conference on “Energy, Functional Materials & Nanotechnology” (ICEFN-2016)	Nanoscience & Nanotechnology Centre, Department of Chemistry, D.S.B. Campus, Kumaun University, Nainital	2016
Assessing Regeneration Potential and Developing Reliable Indicators of Seed Maturity in <i>Myrica esculenta</i> , Buch-Ham. Ex D. Don, in Kumaun Central Himalayan Region	National Seminar on Plants and Environment	Department of Botany, Kumaun University, Nainital	2016



Signature of the faculty member