

Profile



Dr. Kapil Sihag

Assistant Professor of Wood Science and Technology

Department of Forest Products and Utilization

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Profile Summary

Dr. kapil sihag is an Assistant Professor of Wood Science and Technology with more than 3 years of research and teaching experience in various universities/research institutes in India. He possesses a meritorious academic record in field of Wood Science and Technology.

Prior to joining forest college and research institute, he worked as Assistant Professor in college of agricultural sciences, Uttaranchal University, Dehradun. He has taught Wood Anatomy, Wood Products and Utilization, Wood Science and Technology (wood preservation, wood seasoning, wood sawing and finishing), Non-Timber Forest Products courses for B.Sc. Forestry students.

He has done B.Sc. Forestry from College of Horticulture and Forestry, Jhalawar (MPUAT Udaipur) and M.Sc. Wood Science and Technology from FRI, Dehradun. He has qualified Indian Council of Agricultural Research (ICAR)-NET examination in 2013

His doctoral degree at FRI, Dehradun with Dr. Anil Negi focused study on the development of medium density fibre board from bamboo using needle punch technique. It was the unique work for the development of fibre board.

Educational Qualifications

2012

M.Sc. (Wood Science and Technology), Forest Research Institute Deemed University,
Dehradun

2018

Ph.D. (Forestry), Specialization in Wood Science and Technology, Forest Research Institute
Deemed University, Dehradun

Work Experience

February, 2018 - present

Forest College and Research Institute, Mulugu

Oct. 2016- January 2018

Assistant Professor, College of Agricultural Sciences, Uttranchal University, Dehradun

Teaching Interests:

Composite wood, Wood anatomy, Wood preservation, Wood seasoning, Wood products

Research Areas

Development of the composite products like particle board and fibre board from wastage of wood and weeds, Wood quality Assessment of plantation trees. Develop the value added products from non-timber forest products.

Fellowships/Awards:

2018

Young Scientist Award by Society for scientific development in agriculture and technology

Scholarly Activity

Journal Publications

Sihag, K., Negi, A., Poonia, P.K. and Khali, D.P. 2017. Physical and Mechanical properties of MDF board from Bamboo (*Dendrocalamus strictus*) using Needle Punching Technique, 5(6) pp. 2028-2030.

Sihag, K., Negi, A., Khali, D.P. and Kumar, A., 2017. Effect of Needle Punch Technique on the properties of MDF board from Bamboo (*Dendrocalamus strictus*). International journal of Forestry and Crop Improvement, 8(2) Accepted.

Sihag, K., Negi, A., Khali, D.P. and Yadav, S.M. 2016. Development of Particle Board from Bamboo (*Bambusa polymorpha*). International Journal on Environmental Sciences, 7(1) pp. 38-40.

Kumar, A. and **Sihag, K.** 2017. Physical and mechanical properties of particle board made from tops and lops *Populus deltoides* and *Broussonetia papyifera*. International journal of Forestry and Crop Improvement, 8(1) pp. 86-88.

Meti, S.M., **Sihag, K.** and Khali, D.P. 2017. Physical and Mechanical Properties of Particle Board from Mixed Species. Trends in Biosciences, 10(19).

Poonia, P.K., Tripathi, S. and **Sihag, K.** 2016. Effect of microwave on longitudinal air permeability of softwood and hardwood. Indian Forester, 143(3) pp. 198-202.

Poonia, P.K., Tripathi, S., **Sihag, K.** and Kumar, S. 2015. Effect of microwave treatment on air permeability and preservative impregnation of *Eucalyptus tereticornis* wood. Journal of the Indian Academy of Wood Science, 12(2) pp. 89-93.

Poonia, P.K., Hom, S.K., **Sihag, K.** and Tripathi, S. 2015. "Effect of microwave treatment on longitudinal air permeability and preservative uptake characteristics. Maderas. Ciencia y tecnología, 18(1) pp. 125-132.

Gurung, D., Borah, R.K., Negi, A. and **Sihag, K.** 2016. Natural resistance of some important bamboo species in climatic conditions of Jorhat, Assam. International Journal on Agricultural Sciences, 5(2) pp. 31-37.

Choudhary, C.L., Yadav, S.M., **Sihag, K.** and Negi, A. 2015. Role of resin content in the manufacture of particle board from mixed plantation species. International Journal on Biological Sciences, 6(2) pp. 132-135.

Patel, P.K., Sharma, V. and **Sihag, K.** 2014. Effect of plant geometry on biomass and carbon sequestration in *Dalbergia sissoo*. International Journal on Environmental Sciences, 5(1) pp. 121-125.

Workshops/Conferences/Symposiums

Paper accepted in IUFRO world congress, 2019. It will be in Curitiba, Brazil from 29th sept. to 5th oct., 2019.

Participated in International conference on GRISAAS, 2018 in RARI, Durgapura, Jaipur (Raj.).

Poster presented in International Common Wealth Forestry Conference from 3-7 April, 2017.

Paper presented in International Conference on Sustainable Natural Resource Management from Science to Practice-2017 in BHU, Varanasi from 12-13 Jan.

Participated in five days international symposium on “Transforming Mountain forestry-2015” at Forest Research Institute, Dehradun, Uttarakhand.

Poster presented in National Seminar on “Role of technology in Enhancing Bamboo use” in Forest Research Institute, Dehradun from 25-26 November 2014.

Paper presented in National Conference on “Sustainable Development of India: Challenges & Remedies (SDICR-2014) in H.N.B. Garhwal University from 22-23 March 2014.