

Dr SK Chauhan

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Ongoing Research Projects

- Himachal Pradesh Horticulture Development Project funded by World Bank for ₹ 45 crores from 2016 to 2024; Research Activities under Component A: Horticulture Production and Diversification (PIU, UHF- Nodal Officer).
- Establishment of Common Incubation Facility for Processing of Mushrooms, Vegetables, Fruits, Spices and Herbs – Department of Industries, Govt. of Himachal Pradesh amounting to ₹ 372.75 lakhs.

Important Research Publications

- Sharma S, Pritpal Singh, Chauhan S and Choudhary OP. 2022. Landscape position and slope aspects impacts on soil organic carbon pool and biological indicators of a fragile ecosystem in high-altitude cold arid region. *Journal of Soil Science and Plant Nutrition*. DOI: 10.1007/s42729-022-00831-x.
- Panwar P, Chauhan S, Das DK, Kaushal R, Arora G and Chaturvedi S. 2021. Soil organic carbon dynamics in *Populus deltoides* plantations using Roth C-model in the Indo-Gangetic region of India. *Current Science* **121**(12): 1623-1627.
- Chauhan SK, Dhillon WS, Gupta N, Panwar P and Rajni. 2021. Effect of wind breakers using eucalyptus on cultivation of kinnow mandarin. *Indian Journal of Horticulture* **78**(3): 268-272.
- Chauhan SK, Singh S, Sharma S, Sharma R and Saralch HS. 2019. Tree biomass and carbon sequestration in four short rotation tree plantations. *Range Management and Agroforestry* **40**(1):77-82.
- Chauhan SK, Dhakad AK and Sharma R 2018. Growth dynamics of different half-sib families of *Melia azedarach* Linn. *PLoS ONE* **13**(11): e0207121. <https://doi.org/10.1371/journal.pone.0207121>.
- Sharma S, Singh D and Chauhan S 2017. An interactive computer vision system for tree ring analysis. *Current Science* **112**(6): 1262-1265.
- Sharma R, Chauhan SK and Tripathi AM. 2016. Carbon sequestration potential in agroforestry system in India: an analysis for carbon project. *Agroforestry Systems* **90**(4):631-644.
- Chauhan SK, Singh A, Sikka SS, Tiwana US, Chauhan R and Saralch HS 2014. Yield and quality assessment of annual and perennial fodder intercrops in leucaena alley farming system. *Range Management and Agroforestry* **35**(2): 230-235.
- Chauhan SK, Gupta N, Walia R, Yadav S, Chauhan R and Mangat PS 2011. Biomass and carbon sequestration potential of poplar-wheat inter-cropping system in irrigated agro-ecosystem in India. *Journal of Agricultural Sciences and Technology* **1**(4):575-586.

- Chauhan SK, Sharma SC, Beri V, Ritu, Yadav S and Gupta N 2010. Yield and carbon sequestration potential of wheat (*Triticum aestivum*) and poplar (*Populus deltoides*) based agri- silvicultural system. *Indian Journal of Agricultural Sciences* **80**(2): 129-135.

Books

- Chauhan SK, Gill SS, Sharma SC and Chauhan R (Eds.) 2005. Agroforestry in 21st Century. Agrotech Publishing Academy Udaipur, 432pp.
- Chauhan SK, Gill SS, Khajuria HN and Chauhan R (Eds.) 2006. Production Technology and Management of Agroforestry Models. Agrotech Publishing Academy Udaipur, 448pp.
- Gill SS, Chauhan SK, Khajuria HN and Chauhan R (Eds.) 2006. Shisham and Kikar Mortlity in India. Agrotech Publishing Academy Udaipur, 320pp.
- Chauhan SK, Gill SS, Chauhan R and Sharma SC (Eds.) 2008. Exotics in Indian Forestry. Agrotech Publishing Academy Udaipur, 840p.
- Bhol N, Mishra VK and Chauhan SK. 2017. Introduction to Forestry. Kalyani Publishers, NewDelhi, India, 309p.
- Parthiban KT, Chauhan SK and Sudhagar J. 2019. Malabar Neem, *Melia dubia*. GeneticResources, Silviculture and Economics. Agrobios New Delhi, 237p.

Awards and Recognitions

- Schlich Memorial Prize 2008;
- SK Seth Memorial Award 2009;
- Fellow Indian Ecological Society 2016;
- Gold medal, ISAF 2017;
- Sh Fakhrudin Ali Ahmed Award 2019;
- Agriculture Today team Award 2020;
- ISAF Fellowship 2021
- Associate Editor Agroforestry Systems,
- Chief Editor Indian Journal of Ecology,
- General Secretary Indian Society of Ecology,
- Joint Secretary Society of Tree Scientists,
- Deputy Coordinator IUFRO Agroforestry section (1.04.00)
- Member Editorial Board, International Journal of Environment and Resources, Indiana, Journal of Agricultural Sciences and Technology, David Publishing Company, USA; Member reviews team of International Journal of Agriculture and Member Editorial Board ACTA Scientific Agriculture.