

Mr. Ram Krishan

Assistant Professor

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Fellowship Received:

- Worked as Project Fellow in **DST** funded research project entitled “ Identifying the changes in vegetation on ridge tops to predict climate impact and assisted migration from 08-11-2013 to 05-05-2015

Research Publications:

1. Deshpande, A.K., **Ram Krishan**, V. Jaya Sankar Reddy, Venkateswara Rao Jallepalli, and Mithilesh Dwivedee. "Evaluation Of Acute Oral Toxicity of Aqueous Extract Of *Euphorbia Helioscopia*." *Journal of African Biology*, 6(Sp. Issue 2) 5527-5539. Doi:10.48047/AFJBS.6.Si2.2024.5527-5539
2. Sharma, C. M., Mishra, A. K., **Krishan, R.**, Tiwari, O. P., & Rana, Y. S. (2016). Variation in vegetation composition, biomass production, and carbon storage in ridge top forests of high mountains of Garhwal Himalaya. *Journal of Sustainable Forestry*, 35(2), 119-132. doi:10.1080/10549811.2015.1118387
3. Sharma, C. M., Mishra, A. K., **Krishan, R.**, Tiwari, O. P., & Rana, Y. S. (2016). Impact of climate on structure and composition of Ridge Top forests in Garhwal Himalaya. *Taiwania*, 61(2), 61-69. doi:10.6165/tai.2016.61.61
4. Sharma, C. M., Tiwari, O. P., Rana, Y. S., **Krishan, R.**, & Mishra, A. K. (2016). Plant Diversity, Tree Regeneration, Biomass Production and Carbon Storage in Different Oak Forests on Ridge Tops of Garhwal Himalaya. *Journal of Forest and Environmental Science*, 32(4), 329-343. doi:10.7747/JFES.2016.32.4.329
5. **Krishan, R.**, Tiwari, O. P., Rana, Y. S., Mishra, A. K., & Sharma, C. M. (2017). Changes in Levels of Soil Carbon and Forest Floor Carbon Stocks in the different Temperate Forests of Garhwal Himalaya. *International Journal of Current Research and Review*, 9(7), 5-10.
6. Khajuria, A. K., Bisht, N. S., & **Krishan, R.** (2017). Effect of 2,4-D and Cytokinins on Callus Induction in Different Explants of *Viola canescens* Wall. Ex, Roxb. *Plant Archives*, 17(2), 832-838.
7. Sharma, C., Mishra, A. K., Tiwari, O., **Krishan, R.**, & Rana, Y. (2017). Effect of altitudinal gradients on forest structure and composition on ridge tops in Garhwal Himalaya. *Energy, Ecology and Environment*, 1-14.
8. Rana, Y. S., Tiwari, O. P., **Krishan, R.**, & Sharma, C. M. (2018). Determination of nutritional potential of five important wild edible fruits traditionally used in Western Himalaya. *International Journal of Life Sciences*, 6(6), 79-86.
9. Sharma, C. M., Mishra, A. K., Tiwari, O. P., **Krishan, R.**, & Rana, Y. S. (2018). Regeneration Patterns of Tree Species along an Elevational Gradient in the Garhwal Himalaya. *Journal of Mountain Research and Development*, 38(9), 211-219.

10. **Krishan, R.**, Mishra, A. K., Tiwari, O. P., Rana, Y. S., & Sharma, C. M. (2018). Variation in biomass and carbon allocation in various components of tree species along different forest types in high mountain regions. *TROPICAL ECOLOGY*, 59(3), 457-472.
11. Sharma, C. M., Tiwari, O. P., Rana, Y. S., **Krishan, R.**, & Mishra, A. K. (2018). Elevational behaviour on dominance-diversity, regeneration, biomass and carbon storage in ridge forests of Garhwal Himalaya, India. *Forest Ecology and Management*, 424, 105-120. doi:10.1016/j.foreco.2018.04.038.
12. Tiwari, O. P., Rana, Y. S., **Krishan, R.**, Sharma, C. M., & Bhandari, B. S. (2018). Regeneration dynamics, population structure, and forest composition in some ridge forests of the Western Himalaya, India. *Forest Science and Technology*, 14(2), 66-75. doi:10.1080/21580103.2018.1447517
13. Tiwari, O. P., Sharma, C. M., Rana, Y. S., & **Krishan, R.** (2019). Disturbance, Diversity, Regeneration and Composition in Temperate Forests of Western Himalaya, India. *Journal of Forest and Environmental Science*, 35(1), 06-24. doi:10.7747/JEFS.2019.35.1.6.
14. Kumari, S., Mehta, J. P., Shafi, S., Dhiman, P., & Krishan, R. (2021). Diversity and indigenous uses of medicinal plants in the Buakhal area of the Garhwal Himalayan range, India. *Biodiversity*, 22(3-4), 131-142. <https://doi.org/10.1080/14888386.2021.2003721>

Conference attended

1. Paper presented in National Seminar on Climate change, Resources, Bio-diversity & Environmental challenges: issues and Strategies for sustainable development, entitled **“Variation of growing carbon stocks with different forest types on ridge tops along Bhagirathi basin in Garhwal Himalaya”** at Srinagar Garhwal on October 28-30, 2015.
2. Paper presented in 10th Uttarakhand State Science and Technology Congress, 2015-16, entitled **“Variation of growing stocks and carbon assimilation along different forests of temperate zone in Uttarkashi district of Garhwal Himalaya”** at Dehradun on February 10-12, 2016.
3. Paper presented in 11th Uttarakhand State Science & technology Congress 2016-17 entitled **“Forest structure, live above ground biomass and Carbon stocks variation along an elevational gradient at Baghirathi catchment area of Garhwal Himalaya”** at Dehradun.
4. Paper presented in National Conference on Science & Technology for National Development Entitled **‘Forest Structure, Biomass production and Carbon Storage incongruity on Ridge Top Forests along Elevational and Climate Gradients’** at The Indian Science Congress Association: Haridwar November 20-22, 2016 on Chapter And Department of Chemistry, Gurukula Kangri Vishwavidyalaya, Haridwar

5. Paper presented at National Conference on Progressive Sciences & Engineering 2016 entitled **“In Vitro Shoot Multiplication of Thymus Serpyllum L. : An Important Medicinal Plant”** at Institute of Technology, Gopeshwar
6. Paper presented at National Conference on Progressive Sciences & Engineering 2016 entitled **“Effect Of Changes In Climate On Forest Structure, Biomass, Carbon Stocks In The Different Forests along Altitudinal Gradient of Garhwal Himalaya”** at Institute of Technology, Gopeshwar.
7. Paper presented at National Seminar on Crop Diversity and Entrepreneurship Development in Himalayan Environment entitled **“A Quantitative Study of the Forest Floor Biomass, Litter Fall and Soil Organic Carbon in the Temperate Forests of Garhwal Himalaya”** at Uttarkashi on September 2016.
8. Paper entitled **Ethnomedicinal Plants with Anti-diabetic & Anti-obesity Potentiality: A Case Study in Ramnagar of District Udhampur (J&K)** presented at Int. Conference on the theme "Ethnobiology: Present and Future perspectives" organized by GDC Billawar on 25-26, November 2022.