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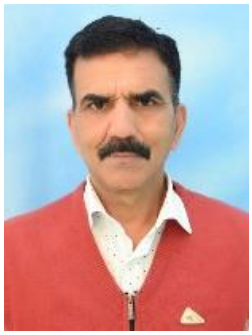

Ongoing Research Projects

- All India Net work on Soil biodiversity &Bio-fertilizers funded by ICAR for 32 lakhs annual share of ICAR lakh from 2004 to till date (Principal Investigator/Co-PI).
- Evaluation of bio-products on growth, yield and quality of Onion, Tomato and Capsicum from M/s Fertis Pvt. Ltd, Hyderabad for ₹17.90 lakh from 2021 to 2024 (Principal Investigator).
- Utilization of soil and plant microbial resources for enhancing the productivity of cropping systems and soil health under Jhum and terrace/valley agro ecosystems of Eastern and North-western Indian Himalayas" under Himalayan Bioresource Mission funded by DBT, GOI India for ₹ 31.73 lakhs from 2021 to till date (Co-PI).

Important Research Publications

- Thakur D, Chauhan A, Jhilta P, Kaushal R, Dipta B. 2022. Microbial chitinases and their relevance in various industries. *Folia Microbiologica*, (https://doi.org/10.1007/s12223-022-00999-w)
- Subham, Uday Sharma and Rajesh Kaushal 2022. Potential of different nitrification inhibitors on growth of late sown Cauliflower var. Pusa Snowball K-1 and behavior of soil NH_4^+ and NO_3^- in *Typic Eutrochrept* under mid hills of NW Himalayas. *Communications in Soil Science and Plant Analysis*. https://doi.org/10.1080/00103624.2022.2146130
- Gupta S, Kaushal R, Sood G, Bhardwaj S and Chauhan A. 2021. Indigenous Plant Growth Promoting Rhizobacteria and Chemical Fertilizers: Impact on Soil Health and Productivity of Capsicum (Capsicum annuum L.) in North Western Himalayan Region. *Communications in Soil Science and Plant Analysis*. https://doi.org/10.1080/00103624.2021.1872595.
- Kaushal M, Priyanka Mandyal and Rajesh Kaushal. 2019. Field based assessment of *Capsicum annuum* performance with inoculation of rhizobacterial consortia. *Microorganisms* , ***7***(3), 89; https://doi.org/10.3390/microorganisms7030089
- Sood G, Kaushal R, Chauhan A, and Gupta S. 2018. Indigenous plant-growth-promoting rhizobacteria and chemical fertilisers: impact on wheat (*Triticum aestivum*) productivity and soil properties in North Western Himalayan region. *Crop & Pasture Science*. **69**: 460–468.
- Sood G, Kaushal R, Chauhan A, and Gupta S. 2018. Effect of conjoint application of indigenous PGPR and chemical fertilizers on productivity of maize (*Zea mays* L.) under

mid hills of Himachal Pradesh. *Journal of Plant Nutrition.* **41**(3): 297–303. (https://doi.org/10.1080/01904167.2017.1381116).

- Deepashikha Thakur, Rajesh Kaushal and Vineet Shyam. 2018. Effect of conjoint use of bioactive phosphor-compost and chemical fertilizers on growth and soil properties under pea *(Pisum sativum*) cropping. *Indian Journal of Agricultural Sciences.* **88**(7):640-644.
- Rahul Singh, DR Bhardwaj, Nazir A Pala, Rajesh Kaushal and Bhalendra Singh Rajput. 2018. Soil microbial characteristics in sub-tropical agro-ecosystems of North Western Himalaya. Current Science, **115**(10)1956-1959.
- Kaushal M and Kaushal R. 2015. Acetylene reductase activity and molecular characterization of plant growth promoting rhizobacteria to know efficacy in integrated nutrient management system. *Indian Journal of Biotechnology*.**14**: 221-227.
- Gupta S, Kaushal R, Spehia RS, Pathania SS and Sharma V. 2015. Productivity of Capsicum as influenced by conjoint application of isolated indigenous PGPR and chemical fertilisers. *Journal of Plant Nutrition*, DOI: 10.1080/01904167.2015.1093139.