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Specialization: Fruit Science (Fruit Tree Nutrition)

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### On-going Research Projects

- Evaluation of potassium nutrition in combination with ICL unique K grades in low- & high-density apple orchards funded by ICL Management and Trading India Limited, Gurugram, Haryana.
- Enhancing NUE, qualitative and quantitative traits of apple with POLY4 customized fertilization funded by Anglo-American Crop Nutrients, United Kingdom.
- Quality education in horticulture and forestry to generate human resources with entrepreneurship skills, Sub-component: Commercial Plantation for Project Sustenance funded by ICAR-NAHEP.
- Enhancing farm income through climate resilient SPNF system in horticultural ecosystem funded by Prakritik Kheti Khushal Kisan Scheme.

### Important Research Publications

- Ashwini, N, Kumar Pramod, Joshi AK, Sharma NC, Sharma N. 2022. Synergistic action of humic acid substances and bio-inoculants in guava (*Psidium guajava* L.): Impact on growth traits, fruiting, nutrient profiling and rhizosphere stoichiometry in meadow rainy season plant-soil interface. *Journal of Plant Nutrition*.
- Saini, S, Kumar, Pramod, Sharma, NC, Sharma, N., Balachander, D. 2021. Nano-enabled Zn fertilization against conventional Zn analogues in strawberry (*Fragaria x ananassa* Duch.), *Scientia Horticulturae*, 282 (110016): 1-15.
- Kumar, Pramod, Sharma, N, Sharma, S., Gupta, R. 2020. Rhizosphere stoichiometry, fruit yield, quality attributes and growth response to PGPR transplant amendments in strawberry growing on solarized soils. *Scientia Horticulturae*, 265: 1-17.
- Kumar, Pramod, Sharma, S.K., Kumar, A. 2017. Foliar nutrient feeding affects generative potential of apples: Multilocation DOP indexing and PCA studies under dry temperate agro-climatic conditions of north-west Himalaya. *Scientia Horticulturae*, 218: 265-274.
- Kumar, Pramod, Chandel, R.S. 2017. Generative developments and pomological traits of apple scion cultivars canopy on dwarf clonal rootstocks in dry temperate ecosystem. *Scientia Horticulturae*. 215C: 28-37.
- Kumar, Pramod, Sharma, S.K., Chandel, R.S., Singh, J., Kumar, A. 2016. Nutrient dynamics in pistachios: The effect of mode of nutrient supply on agronomic performance and alternate-bearing in dry temperate ecosystem. *Scientia Horticulturae*. 210C: 108-121.
- Kumar, Pramod, Sharma, S. D., Sharma, N.C., Devi, M. 2015. The path coefficient analysis of yield components for leaf nutrient concentrations in mango under rainfed agro-climatic conditions of north-west Himalaya. *Scientia Horticulturae*, 190 C: 31-35
- Sharma, S., Sharma, S. D., Kumar, Pramod. 2017. Response of nectarines to organic fertilization under rainfed ecosystem of north-west Himalayas. *Journal of Plant Nutrition*, 40 (14): 2014-2025.

- Yadav, S.K, Khokher, U.U., Kumar, Pramod. 2016. Response of strawberry to organic vs. inorganic fertilizers. *Journal of Plant Nutrition*. 39: 194-203.
- Kumar, Pramod, Sharma, S.D., Yadav, S. K. 2013. Correlation and Regression Studies in mango (*Mangifera indica* L.). *Journal of Plant Nutrition*, 36 (6): 929-47

## Awards & Recognitions

- Outstanding Young PGPR Research Award, Asian PGPR Society, USA.
- Elected Fellow of IAHS, New Delhi.
- Elected Fellow of National Academy of Biological Sciences, Chennai.
- Eminent Scientist Award conferred by NESI, New Delhi.
- Excellence in Service award by the Hon'ble Minister of State for Forest, Transport and Youth and Hon'ble Vice-Chancellor of DYSPUHF, Solan (Nauni), HP
- Best Researcher Award conferred by IACRD, Chennai, Tamil Nadu.
- Certificate of Appreciation for Lead Speaker by Society for Integrated Development of Agriculture, Veterinary & Ecological Sciences, SKUAST-Jammu.
- Best Research Paper Award by the Indian Ecological Society, Ludhiana, Punjab.
- Certificate of Appreciation awarded by UCOST (Dehradun), UK.