

Dr NP Butail

Assistant Professor

Specialization: Soil Fertility and Plant Nutrition
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Ongoing Research Projects

- Studies on the effect of nano urea and nano DAP on growth, yield and quality of apple funded by IFFCO, New Delhi India for ₹ 10.83 lakh from Jan,2023 to Dec,2023 (Co-PI).

Best 10 Research Papers

- Kumar P, Sharma M., Butail NP, Shukla AK and Kumar P. 2023. Spatial variability of soil properties and delineation of management zones for Suketi basin, Himachal Himalaya, India. *Environment, Development and Sustainability*. 1-26.
- Thakur P, Kumar P, Shukla AK, Butail, Sharma M, Kumar P, and Sharma U. 2023. Quantitative, Qualitative, and Energy Assessment of Boron Fertilization on Maize Production in North-West Himalayan Region. *International Journal of Plant Production* **17**(1):165-176.
- Sharma M, Parmar DK, Kumar P, Butail NP, Kumar P, and Sharma SK. 2023. Impact of zinc on yield, nutrient uptake and soil nutrient status in rainfed pea-maize sequence under high phosphorus regime soils of Northwestern Himalaya. *Journal of Plant Nutrition* **46**(9):2120-2130.
- Butail NP, Kumar P, Shukla AK, Behera SK, Sharma M, Kumar K, Sharma K, Takkar PN, Rao CN, Trivedi V, Das S and Green A. 2022. Zinc dynamics and yield sustainability in relation to Zn application under maize-wheat cropping on Typic Hapludalfs. *Field Crops Research* **283**:108525.
- Kumar P, Kumar P, Sharma M, Shukla AK and Butail NP. 2022. Spatial variability of soil nutrients in apple orchards and agricultural areas in Kinnaur region of cold desert, Trans-Himalaya, India. *Environment Monitoring Assessment* 194:290.
- Abagandura GO, Mahal NK, Butail NP, Dhaliwal JK, Gautam A, Bawa A, Kovács P and Kumar S. 2022. Soil labile carbon and nitrogen fractions after eleven years of manure and mineral fertilizer applications. *Archives of Agronomy and Soil Science* 1-16.
- Behera SK, Adamchuk,VI, Shukla AK, Pandey PS, Kumar P, Shukla V, ...and Sharma M. 2022. The Scope for Using Proximal Soil Sensing by the Farmers of India. *Sustainability* **14**(14): 8561.
- Butail NP, Kumar P, Sukhla AK, Sharma M and Kumar K. 2022. Agronomic zinc biofortification and its impact on mineral composition of eight okra genotypes [*Abelmoschus esculentus* (L.) Moench] in an acid Alfisol. *Journal of Plant Nutrition* **46**(2):232-244.
- Kumar P, Sharma M, Butail NP, Shreya, Kumar K and Sukhla AK. 2021. Assessing the spatial variability of the soil properties in geologically complex Jawali region of North-west Himalaya, India. *International Journal of Environmental Analytical Chemistry* 1-16.
- Parmar DK, Khatkar A, Kumar P, Kumar P, Sharma M and Butail NP. 2021. Spatial variation of heavy metal contamination in roadside soil from hilly terrain of the north-western Himalaya. *Chemistry and Ecology* **37**:850-865.

Awards & Recognitions

- Awarded second position in poster presentation in National Conference on Alternate farming systems to enhance farmers' income held at YSP University of Horticulture & Forestry, Nauni, Solan (H.P.) during 19-21 September, 2017.
- Awarded first position in oral presentation in National Conference on Hi-Tech Horticulture: Food Security and Income for Farmer's Prosperity. 6th National Youth Convention on Innovation and Agricultural Reforms for Farmer's Prosperity (February 20th – 21st 2021, Telangana, India) organized by ICAR, CIMMYT, AIASA and Professor Jayashankar Telangana State Agricultural University Rajendranagar Mandal, Hyderabad, Telangana.
- Awarded "Kanwar Virender Singh Memorial All India Best Publication Award 2021" by SAADNA society.
- Awarded Merit Scholarship under Education Scholarship Scheme for Army for the academic year 2007-08.
- Worked as Research Assistant I at South Dakota State University, U.S.A, from 22.06.2019 to 21.12.2019.