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Ongoing Research Projects

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Best 10 Research Papers

- Chauhan N, Sankhyan NK, Sharma RP, Sapehya S, Sood P, Mehta S, Gupta N, Vishvamitera S. 2026. Indexing soil quality over 45 years of long-term fertilization in an acid Alfisol of North Western Himalayas. *Soil Use and Management* 42: e70207. <https://doi.org/10.1111/sum.70207>
- Kurbah, I, Dixit SP, Mehta S and Sharma SK. 2024. Effect of continuous FYM and fertilizer applications over nine years utilizing STCR based targeted yield equations on transfer and uptake of micronutrients in an acid Alfisol under a maize-wheat cropping system. *Journal of Plant Nutrition* 47(19): 3542-3556
- Mehta S, Thakur A, Kurbah I, Chauhan N and Thakur R. 2024. Nanotechnology in Plant Nutrition: Ensuring Sustainable Agriculture through Nanofertilizers. *Journal of Plant Nutrition and Soil Science* 187(5): 589-603
- Shabnam and Sharma SK. 2024. Soil Quality under Polyhouse and Open Field Conditions as Affected by Continuous Fertilizer and Manure Applications. *Communications in Soil Science and Plant Analysis* 55(12): 1819-1836
- Shabnam and Sharma SK. 2023. Effect of six year continuous targeted yield based chemical fertilizer and FYM application on soil quality and productivity of maize in an acid Alfisol of North-western Himalayas. *Communications in Soil Science and Plant Analysis* 54(15): 2157-2173
- Baktash AM, Datt N and Shabnam. 2023. Integrated Effect of Azolla in Combination with Nitrogenous Fertilizer on Chemical Properties of Soil and Yield of Rice Grown under SRI. *Indian Journal of Ecology* 50(6): 1994-1998.
- Sharma N, Sharma SK and Shabnam. 2022. Effect of varying levels of sulphur and sources on sulphur fractions in an Acid Alfisol of Himachal Pradesh. *Indian Journal of Ecology* 49(3): 744-47.
- Shabnam and Sharma SK. 2020. Long term cultivation effects on nitrogen dynamics in polyhouse and open field vegetable growing soils of North Western Himalayas. *Journal of Environmental Biology* 41: 1719-23.
- Shabnam, Sharma SK, Rana RS and Sankhyan NK. 2017. Effect of STCR based nutrient management on yield, nutrient uptake and profitability of maize (*Zea*

mays) in an acid Alfisol of North Western Himalayas. *Ecology, Environment and Conservation* 23(4): 2275-79.

- Shabnam and Sharma SK. 2017. Effect of Prescription based nutrient management on maize yield and soil properties in an acid Alfisol of North Western Himalayas. *Journal of Environment and Biosciences* 31(1): 209-12.

Books

- Kurbah I, Kumar S, Prikxit and Mehta S. 2025. Soil and water management in agriculture: Principle, Practices and Innovations. Elite publisher, New Delhi (ISBN No. 978-93-71082-84-6)

Awards & Recognitions

- Best Ph.D. Thesis Award during 2nd International Conference on “Recent Advances in agricultural, Environmental & applied Sciences for Global Development” held during September, 27th to 29th September, 2019 at Dr. YS Parmar University of Horticulture and Forestry, Nauni, Solan, H.P.