

Dr Upinder Sharma
Subject Matter Specialist (Soil Science)

Specialization: Soil Fertility and Chemistry
Contact:+91 0177-2740261(O)
Mobile: 9816828405
E.mail: upender23@yapuniversity.ac.in; upender.35@gmail.com



Ongoing Research Projects

- Development of Subhash Palekar Natural Farming (SPNF) Model in apple funded by State Department of Agriculture, Shimla, HP for ₹1.13 crores from 2019 to 2024 (Co-PI).
- Studies on the effect of nano urea and nano DAP on growth, yield and quality of apple funded by IFFCO, New Delhi for ₹ 10.83 lakh for 2023 (Co-PI).

Important Research Publications

- Thakur P, Kumar P, Shukla AK, Butail NP, 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**: 165-76.
- Butail NP, Kumar P, Shukla AK, Behera SK, Sharma M, Kumar P, Sharma U, Takkar PN, Rao CS, 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.
- Nazir G, Kumar P, Shukla AK and Sharma U. 2019. Influence of boron fertilization on cauliflower productivity, nutrient uptake and soil nutrient status in an acid Alfisol in Northwestern Himalaya. *Communications in Soil Science and Plant Analysis* **50**(12): 1403-16.
- Sharma U and Subehia SK. 2016. Fractions of copper in soil and their contribution to copper availability in rice - wheat cropping system under long-term integrated nutrient management in an acid Alfisol. *Communications in Soil Science and Plant Analysis* **47**(08):980-8.
- Sharma U and Paliyal SS. 2015. Forms of soil potassium as influenced by long term application of chemical fertilizers and organics in rainfed maize-wheat cropping system. *Journal of Krishi Vigyan* **3**(2):48-3.
- Sharma U, Paliyal SS, Sharma SP and Sharma GD. 2014. Effects of continuous use of chemical fertilizers and manure on soil fertility and productivity of maize-wheat under rainfed conditions of the Western Himalayas. *Communications in Soil Science and Plant Analysis* **45**(20):2647-59.

- Sharma U and Subehia SK. 2014. Chemical fractions of zinc and their contribution towards its availability under long-term integrated nutrient management in rice-wheat sequence in an acidic Alfisol. *Communications in Soil Science and Plant Analysis* **45**(22):2898-10.
- Sharma U and Paliyal SS. 2014. Effect of long-term use of fertilizers and organics on phosphorus dynamics in rainfed maize-wheat cropping system. *Journal of the Indian Society of Soil Science* **62**(3):216-23.
- Sharma U and Subehia SK. 2014. Effect of long-term integrated nutrient management on rice (*Oryza sativa* L.) - wheat (*Triticumaestivum* L.) productivity and soil properties in North Western Himalaya. *Journal of the Indian Society of Soil Science* **62**(3):248-54.
- Sharma U, Subehia SK, Rana SS, Sharma SK and Negi SC. 2014. Soil sulphur fractions and their relationship with soil properties and rice (*Oryza sativa* L.) yield under long-term integrated nutrient management in an acid Alfisol. *Research on Crops* **15**(4):738-45.