Dr. Narender K Sankhyan
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Department of Soil Science,
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Field of Specialization and Research interest: Soil Fertility and Chemistry

Educational Qualification:

Degree	Year	Institution
B.Sc. (Agriculture)	1989	CSK HPKV Palampur
M.Sc. Agriculture(Soil Science)	1992	CSK HPKV Palampur
Ph. D Agriculture (Soil Science)	1997	CSK HPKV Palampur

Employment Record along with Professional Experience (in years)

1. Assistant Scientist (Soil Science) in CSK HPKV Palampur (09 years)
2. Sr. Scientist (Soil Science) in CSK HPKV Palampur (06 years)
3. Principal Scientist (Soil Science) in CSK HPKV Palampur (over 7 years)

Research Projects Handled	As PI(11) As Co-PI (09)

Research Publications:
Total publications published in Journals =41
Best 5 publications in last 5 years

- **Sankhyan NK**, Kumari N, Dutta J, Sharma SK and Sharma GD, 2015. Status and distribution of sulfur in acidic Alfisols of district Kangra, Himachal Pradesh. Communications in Soil Science and Plant Analysis 46 (13), 1659-1667. (6.69)
- Gourav, **Sankhyan NK**, Sharma RP and Sharma GD, 2018. Vertical distribution of sulfur fractions in a continuously fertilized acid Alfisol under maize-wheat cropping system. Communications in Soil Science and Plant Analysis 49 (8), 923-933. (6.69)
- Gourav,**Sankhyan NK**, Sharma RP and Sharma GD, 2019.Long term effects of fertilizers and amendments on the properties of an acid Alfisol and uptake of primary nutrients and sulfur in maize-wheat rotation in North Western Himalayas. Journal of Plant Nutrition 42 (15), 1770-1788. (6.75)
- Chauhan N, **NK Sankhyan**, Sharma RP, Singh J and Gourav, 2020. Effect of long-term application of inorganic fertilizers, farmyard manure and lime on wheat (*Triticumaestivum* L.) productivity, quality and nutrient content in an acid Alfisol.Journal of Plant Nutrition 43 (17), 2569-2578. (6.75)
- DhimanDiksha, Sharma Rajpaul, **SankhyanNarender Kumar**, SepehyaSwapana, Sharma Sanjay K. and Rameshwar Kumar. 2019. Effect of regular application of fertilizers, manure and lime on soil health and productivity of wheat in an acid Alfisol.*Journal of Plant Nutrition* 42(19): 2507–2521. (6.75)

Books published Book chapters Manuals	3 2 3
Conference/ Seminar/ Symposium papers	23
Extension activity including Popular articles/ Pamphlets/ Leaflets	62
Students Guided	PG =7 + 2 students (Continuing) Ph. D = 1 + 1 student (Continuing)

Awards/ Fellowships:

- Best publication award for the paper entitled“ Sulphur sorption under maize-wheat cropping system as influenced by long term effects of chemical fertilizers and amendments in an acid alfisol of western Himalaya”. *Communication in soil science and plant analysis*, 44: 2253-2270.BySociety for advancement of human and nature (SADHNA) Dr Y S Parmar, University of Horticulture and forestry, Nauni, Solan.
- Second best presentation award for the paper entitled “Geospatial Mapping of soil micronutrients for augmenting quality of weather based agroadvisory in agricultural production system of Himachal Pradesh” in National Seminar on Agrometeorological Interventions for enhancing farmer Income held at College of Horticulture, Kerala Agricultural University, Thrissur during 20-22January, 2020.
- Received the Best Paper AwardforthePaper presented in4th International Group Meeting on Wheat Productivity Enhancement through Climate Smart Practices held at CSK HPKV Palampur, HP India on February 14 -16, 2019.

- Received Certificate of Appreciation from Dean PG Studies for preparing power point presentation of study material of Course No. SOILS 515.

International exposure/ Visits abroad	Nil

Miscellaneous achievements/ activities:

- Prepared (as PI of the project) block level soil fertility maps of Himachal Pradesh w.r.t. different soil properties. Stratified random sampling procedure was followed to draw GPS based soil samples and efforts were made to represent almost all villages of the state. This gigantic task of soil sampling was completed with the help of Department of Agriculture after imparting training on GPS based soil sampling to the staff and the officer involved. After soil analysis block level soil fertility maps of different soil properties (pH, OC, EC, macro nutrients, secondary nutrients and micro nutrients) were prepared using GIS techniques. These maps showing the status of soil of each block w.r,t. above mentioned soil properties were uploaded on University website and on the website of Department of Agriculture. Block level soil fertility maps are of immense use for the policy planner and the farmers of the state. Himachal Pradesh became the state in thecountry to prepare such fertility maps by taking village level soil samples.
- Developed fertigation schedule for tomato, capsicum and cucumber.
- Production technology w.r.t. fertilization schedule of onion included in the POP for vegetable production in HP as under: Use of NPK (12:32:16) @ 235 kg /ha, urea (46%) @210 kg/ha, MOP (60%) 40 kg/ha, Gypsum @ 200 kg/ha (or zinc sulphatr @170 kg /ha). In the workshop of POP vegetables- 2013.
- Incharge Referral Soil Testing Laboratory of the state since 2004. Incharge central instrumentation laboratory of the University.
- Handling All India Coordinated Research Project on Long –term Fertilizer Experiments as C0-PI.
- Investigated the long-term effect of balanced use of fertilizers on soil health (physical, chemical and biological environment of soil) and weed flora. Disseminated the findings of AICRP on LTFE among the farmers through Demonstrations and Training camps.
- Established a soil testing laboratory in KVK Una
- Upgraded referral Soil Testing Laboratory of the Department of soil Science
- Establishment of central instrumentation laboratory of the University
- Nodal officer youth development center 2009-13
- Nodal officer ICAR, Agril. Education
- Nodal officer UGC
- Nodal officer VCI
- Expert for kissan call center