

Dr Rajeev Kumar

Scientist



Specialization: Vegetable Production, Protected Cultivation

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Research Projects Completed:

- Popularization and standardization of cole crops production technology for uplifting the socio-economic status of tribal farmers of Spiti-an arid cold desert region of Himachal Pradesh for ₹ 1.70 lakh from 2016 to 2018 (Principal Investigator).
- Sustainable vegetable crop production technology and climate change mitigation through HRD to enhance productivity and livelihood security of small and marginal farmers of Seraj Valley of District Mandi for ₹ 5.68 lakh from 2020 to 2023 (Principal Investigator).
- Skill Development programme on Canopy Management in High Density Plantation in apple to the rural youth of the Seraj Valley of District Mandi for ₹ 4.59 lakh from 2023 to 2024 (Co-PI).
- Optimizing Pea Production Through Farmer Field School in Seraj, District Mandi (H.P.) for ₹ 0.82 lakh from 2024 to 2025 (Principal Investigator).

Important Research Publications

- Sharma M K, Kumar R and Kumari S. 2011. Identifying superior quality F1 tomato hybrids for year-round production under low-cost plastic greenhouses in North-West Himalayas. *Vegetable Science* 38 (1): 30-4.
- Kumar R and Sharma M K. 2015 .Effect of different growing media and bio-fertilizers on tomato production in plastic greenhouses. *Indian Journal of Horticulture* 72(4):510-13.
- Kumar R, Singh S P and Kumar A. 2016. Performance of two brinjal varieties under open field and naturally ventilated polyhouse conditions in cold desert region of Himachal Pradesh, India. *Plant Archives* 16 (1):226-28.
- Kumar R and Kumar A. 2017. Knowledge of recommended pea production technology and training needs among small farmers of Spiti an arid cold desert region of Himachal Pradesh, India. *Plant Archives* 17 (1):672
- Kumar R, Kanwar H.S. and Sharma M K. 2018. Studies on effect of different seed rate and row spacing on green pea production in cold desert region of H.P. *Plant Archives* 18 (2):1895-98.
- Kumar R and Sharma M K.2018. Effect of different growing methods and integrated nutrient management systems on yield and yield contributing traits of broccoli [*Brassica oleracea* (L.) var. *italica*] *Vegetable Science*. 45(2):254-57.
- Kumar R and Sharma M K. 2018. Effect of soilless growing media and fertigation on

Capsicum production under naturally ventilated polyhouse in Cold desert region of Himachal Pradesh. *Indian Journal of Horticulture* 75(1):87-91.

- Kumar R, Sharma D and Sharma S K. 2020. Evaluation of different Rajmash cultivar for yield and economics under dry temperate region of Himachal Pradesh. *Journal of Krishi Vigyan*: 9 (1):118-20.
- Kumar R and Sharma S K.2021. Effect of integrated nutrient management on cabbage production in dry temperate region of Himachal Pradesh. *Journal of Krishi Vigyan*: 9 (2):46-48.
- Kumar R, Chauhan A, Kumari R, Kumari S, Thakur P and Thakur N. 2023. Effect of different locations and transplanting dates on the performance of Lettuce var. Great Lakes under wet temperate region of Himachal Pradesh-India. *International journal of Plant and Soil Science*: 35 (9): 38-44.
- Kumar R, Chauhan A, Kumari R, Kumari S, Thakur P and Thakur N. 2023. Effect of different transplanting dates and locations on the performance of Broccoli var. Pusa KTS-1 under wet temperate Himalayas. *Journal of Krishi Vigyan*: 11 (2):89-92.
- Kumar R, Chauhan A, Kumari R, Thakur P and Thakur N. 2025. Vegetables as source of nutrition and Pharmacy: A Review. *Plant Archives* 25 (2): 2374-2380.
- Kumar R, Chauhan A, Kumari R, Thakur P and Thakur N. 2026. Assessment of farmers knowledge and adoption of pea cultivation aspects in ten Panchayats of Seraj Valley, Mandi District, Himachal Pradesh. India. *International Journal of Plant and Soil Science* 38 (4): 194-209.

Awards & Recognitions

- Received first best paper award for paper presentation (online) on “Effect of integrated nutrient management on Cabbage production in dry temperate region of H.P.” during the second national conference held virtually on advances in sustainable agriculture on 26-28 Sept., 2020 organised by Society of Krishi Vigyan.
- Received second best poster award for poster presentation on “Effect of vegetable-based crop diversification on livelihood improvement of small and marginal farmers of seraj valley of Mandi district of Himachal Pradesh” presented in the AICRP (VC) Golden Jubilee National Symposium on 20-22 December, 2022 organized by Indian Institute of Vegetable Research, Varanasi, UP, India.
- Received first best paper award for paper presentation (online) on “Effect of Plant Growth Retardants on Production of Potato var. Kufri Jyoti” during the 1st International Conference on Future Strategies for Sustainable Agriculture and Technology Impact on Human Health and Environment on 1-3rd March, 2024 organized by Abhilashi University, Chail Chowk in association with Society for the Advancement of Agricultural, Horticultural and Allied Science (SAAHAS), Kurukshetra, Haryana.
- Received first best paper award for paper presentation (online) on “Knowledge of production technology of major vegetable crops and training needs for sustainable vegetable farming among small and marginal farmers of Seraj valley of Mandi District of Himachal Pradesh.” during the National Conference on Indigenous Knowledge System and Practices for Sustainable Future: A Roadmap to Viksit Bharat 2047 held on 13-14 February, 2025 organized by College of Horticulture and Forestry, Thunag.

- Received first best paper award for paper presentation (online) on “Indigenous knowledge systems of tribal communities of Himachal Pradesh: Wisdom, practices and challenges.” during the National Conference on Indigenous Knowledge System and Practices for Sustainable Future: A Roadmap to Viksit Bharat 2047 held on 13-14 February, 2025 organized by College of Horticulture and Forestry, Thunag.