

Dr DK Mehta
Principal Scientist

Specialization : Vegetable Science

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Ongoing Research Projects

- Consortia Research Platform on Hybrid Crops- Cauliflower funded by ICAR (Principal Investigator).
- Iron and zinc biofortification of cereals and vegetables for enhancing micronutrient bioavailability in soil-plant system funded by DBT, GOI (Principal Investigator).
- Testing of Vegetable Hybrids of Private Sector funded by Multinational/ National Seed Companies, long term (Principal Investigator).
- All India Co-ordinated Research Project (Vegetable Crops) funded by ICAR- Long term project (Co- Principal Investigator).

Important Research Publications

- Kumari R, Kumar R and Mehta DK. 2021. Expression of heterosis and residual heterosis for traits of earliness and yield in cross combinations of cucumber (*Cucumis sativus* L.) developed by introgression of indigenous and exotic sources. *Scientia Horticulturae* **277** (2021) 109781.
- Sharma N, Shukla YR, Singh Kuldeep and Mehta DK. 2020. Soil Fertility, Nutrient Uptake and Yield of Bell Pepper as Influenced by Conjoint Application of Organic and Inorganic Fertilizers. *Communications in Soil Science and Plant Analysis*. DOI: 10.1080/00103624.2020.1791155.
- Kanwar R, Mehta DK, Sharma R and Dogra RK. 2020. Studies on genetic diversity of French bean (*Phaseolus vulgaris* L.) landraces of Himachal Pradesh based on morphological traits and molecular markers. *Legume Research- An International Journal* **43** (4): 470-479.
- Kanwar R and Mehta DK. 2018. Survey, collection and seed morphometric characterization of French bean (*Phaseolus vulgaris* L.) landraces of Himachal Pradesh. *Legume Research* **41** (3): 333-341.
- Brice A, Verma SC, Sharma KC, Sharma PL and Mehta DK. 2017. Effect of sowing dates and IPM modules on jassid and blister beetle in okra under mid hills of Himachal Pradesh. *Journal of Entomology and Zoology Studies* **5**(6): 757-761.
- Kumar S, Kumar R, Kumar D, Gautam N, Dogra RK, Mehta DK, Sharma H Dev and Kansal S. 2016. Parthenocarpic gynoeious parental lines of cucumber introduced from Netherlands for developing high-yielding, quality hybrids. *Journal of Crop Improvement* **30** (3): 352–369.
- Mehta DK, Singh T and Kanwar R. 2015. Effect of head decapitation and planting density on quality seed production of sprouting broccoli (*Brassica oleraceavar. italica* L.). *Journal of Applied and Natural Science* **7**(1): 471-476.
- Mehta DK, Kanwar HS, Thakur AK, Thakur Seema and Thakur KS. 2014. Standardization of seed hydro priming duration in bitter melon. *International Journal of Bio Resource and Stress Management* **5**(1): 98-101
- Kaith NS and Mehta DK. 2010. Effect of different levels of nitrogen on growth and yield of apple under North- Western Himalayan region. *Indian Journal of Agricultural Sciences* **80**(6):541-543
- Mehta DK, Kaith NS and Kanwar HS. 2010. Effect of training methods and mulching on growth yield and fruit rot incidence in tomato. *Indian Journal of Agricultural Science* **80**(9):829-31

Books and Manuals (with ISBN Numbers)

- Mehta DK and Kanwar HS. 2014. Post-Harvest Management of Seed. Department of Seed Science and Technology, Dr Y S Parmar University of Horticulture and Forestry, Solan, HP. 191p. (ISBN 978-81-927930-3-0)
- Kanwar HS, Mehta DK, Thakur AK and Rana K. 2013. Beej Prodyogiki (in Hindi). Department of Seed Science and Technology, Dr Y S Parmar University of Horticulture and Forestry, Solan, HP. 67p. (ISBN 978-81-927930-4-7)
- Kanwar HS, Bhattarai DR and Mehta DK. 2010. Seed Technology: Processing, storage and marketing. Jain Brothers, New Delhi, 203p. (ISBN- 978-81-8360-134-4)

Awards & Recognition

- Nominated as Founder Fellow of ISHA Award by Indian Society of Hill Agriculture, HC, GBPUAT, Ranichauri, UK
- Certificate of merit during MSc & PhD
- University Gold Medal during B Sc (Hort)