

## Dr AK Thakur

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## Ongoing Research Projects

- Skill Up-gradation for Improved Livelihood through Agri-Interventions in Tribal Areas of HP funded by ICAR for Rs 70.00 Lakhs from 2021 to 2023 (Co-PI).
- Niche Area Development and Skill Upgradation for Diversified Agriculture in Tribal Areas of HP funded by ICAR for Rs 32.00 Lakhs from 2022 to 2023 (Co-PI).
- Promotion and conservation of *Apis cerana* in the potential pockets of Kinnaur district of Himachal Pradesh funded by NABARD for Rs 15.64 Lakhs from 2023 to 2024 (Co-PI).

## Important Research Publications

- Kumar L, Verma SC, Sharma PL, Dutt B, Thakur AK. 2018. Essential oils as grain protectants against pulse beetle (*Collosobruchus chinensis* L.) infecting pea seeds. *Indian Journal of Entomology* **80**(2): 239-243.
- Saheb Pal, Sharma HR, Thakur AK and Dogra RK. 2018. Association of Seed Traits with Fruit Yield in Cucumber (*Cucumis sativus* L.). *International Journal of Current Microbiology and Applied Science* **7**(02): 2692-2696.
- Nalwa C, Thakur AK, Vikram A, 2018. Effect of plasma treatment on growth parameters and seed quality of bell pepper (*Capsicum annuum* L.) under field condition. *International Journal of Current Microbiology and Applied Sciences* **7**(09): 01-07.
- Saheb Pal, Sharma HR, Thakur AK and Dogra RK. 2018. Morpho- agronomic characterization of cucumber (*Cucumis sativus* L.) germplasm through principal component analysis. *Journal of Pharmacognosy and Phytochemistry* **7**(1): 2573-77.
- Meena Kumari, Verma SC, Bhardwaj SK, Thakur AK. 2017. Impact of elevated CO<sub>2</sub> and temperature on quality and bio-chemical parameters of bell pepper (*Capsicum annuum* L.) crop. *Indian Journal of Agricultural Sciences* **87**(2): 179-184.
- Mehta DK, Kanwar HS, Thakur AK, Thakur S and Thakur KS. 2014. Standardization of Seed Hydro-priming Duration in Bitter Gourd, *Momordica charantia* L. *International Journal of Bioresource and Stress Management* **5**(1):98-101.
- Sharma M, Thakur PD, Gupta D and Thakur AK. 2013. Identification of viruses and screening of summer squash (*Cucurbita pepo*) germplasm against viral disease under controlled conditions. *Indian Journal of Agricultural Sciences* **83**(4): 426-30.
- Shukla YR, Thakur AK and Joshi A. 2009. Effect of inorganic and bio-fertilizers on yield and horticultural traits in tomato. *Indian Journal of Horticulture* **66**(2): 285-87.
- Thakur, AK and Kohli UK. 2005. Studies on genetics of shelf life in tomato. *Indian Journal of Horticulture* **62**(2): 163-167.
- Thakur AK, Kohli UK and Manish Kumar. 2004. Inheritance of resistance to bacterial wilt in tomato. *Indian Journal of Genetics and Plant Breeding* **64**(1):79-80.

## Books and manuals

- Nalwa, C., Thakur, A.K., Vikram, A., 2019. *Manual on Cold Plasma Treatment of Seed:*

*Seed enhancement in bell pepper*. LAP, Germany. p101.

- Rana RK, Singh R, Thakur AK, Chahal VP and Singh AK (Eds). 2019. *Contemplating Agricultural Growth through Farmers' Frugal Innovations*. ICAR-ATARI-1, Ludhiana, Punjab: p160.
- Maiti RK, Rodriguez HG, Ghosh B, Sarkar NC, Mandal D, Meena R, Thakur AK, Ramanjaneyulu AV (Eds), 2018. *Research Trends in Bioresource Management and Technology*. American Academic Press, USA. p408.
- Maiti, R.K., Rodriguez, H.G., Thakur, A.K., Sarkar, N.C.(Eds), 2017. *Applied Botany*. American Academic Press, USA. p236.
- Maiti RK, Kumari A, Thakur AK and Sarkar NC (Eds). 2016. *Bioresource and Stress Management*. Springer, Germany. p276.
- Thakur AK, Vikram A, Kohli UK. 2013. *A manual on heterosis and diallel analysis- Half diallel mating in tomato*. LAP, Germany. p138.

## **Awards & Recognitions**

- Young Scientist Award by Ratikanta Maiti Foundation, Kolkata in 2013.
- Outstanding Professional Award and ISHA Founder Fellow Award by Indian Society of Hill Agriculture, Ranichauri, UK in 2011.
- Certified Crop Advisor by American Society of Agronomy, USA in 2011.
- Best Editor Award by Ratikanta Maiti Foundation, Kolkata in 2017.