

Dr Kalpna Thakur

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Important Research Publications

- Rana V, Thakur K, Sood R, Sharma V and Sharma TR. 2012. Genetic diversity analysis of *Tinospora cordifolia* germplasm collected from Northwestern Himalayan region of India. *Journal of Genetics*. 91:99-103
- Thakur N, Prakash J, Thakur K, Sharma JK, Kumari R, Rana M and Lata S. 2016. Genetic diversity and structure of maize accessions of North Western Himalayas based on morphological and molecular markers. *Proceeding of National Academy of Sciences, India, Section B-Biological sciences*.
- Sood A, Thakur K, Sharma PN, Gupta D, Singode A, Rana M and Lata S. 2017. A comprehensive study of variation in selected QPM and non QPM maize inbred lines. *Agricultural Sciences*.
- Thakur K and Kanwar K. 2017. *In vitro* plant regeneration by organogenesis from leaf callus of carnation, *Dianthus caryophyllus* L. cv. `Master`. *Proceedings of National Academy of Sciences, India, Section B.-Biological Sciences*. 88: 1147-55.
- Sharma S, Sharma R, Sharma P, Thakur K and Dutt B. 2018. Direct shoot organogenesis from seedling derived shoot tip explants of endangered medicinal plant *Saussurea costus*(Falc.) Lipsch. *Proceedings of National Academy of Sciences, India, Section B.-Biological Sciences*.
- Kumari M, Mittal RK, Chahota RK, Thakur K, Lata S and Gupta D. 2018. Assessing genetic potential of elite interspecific and intraspecific advanced lentil lines for agronomic traits and their reaction to rust (*Uromyces viciae-fabae*). *Crop and Pasture Science*. 69: 999-1008.
- Kapoor B, Kanwar K, Sharma P, Sharma R and Thakur K. 2019. *In vitro* propagation and genetic stability analysis of *Swertia chirayita*: an endangered high-value medicinal plant of Himalayas. *Medicinal Plants*.11: 328-37.
- Rathour R, Kumar R, Thakur K and Pote TD. 2022. Genetic improvement for blast resistance in high-yielding cold tolerant rice cultivar Himalaya 741 by marker-assisted backcross breeding. *3 Biotech*. 12: 165-77.
- Lata S, Kumari Reena, Thakur K, Rana M, Thakur N and Hussain W. 2022. Development of tryptophan rich maize lines through simple sequence repeat marker aided introgression of *opaque2* trait. *Electronic Journal of Plant Breeding*. 13: 295-304.

- Pote TD, Rathour R, Kaachra A, Thakur K and Salgotra RK. 2022. Genetic improvement of traditional basmati rice Ranbir Basmati for semi-dwarfism and blast resistance by molecular breeding. *Plant Gene*. 32:

Books and Manuals

- Rimpika, Sood A, Thakur K, Chaudhary J, Shilpa and Singh R. 2023. Molecular approaches in crop growth regulation. *In*. Current development in crop growth regulation (Ed. Singh Jujhar). National Press Associates, New Delhi. 2: 91-98. ISBN 978-93-90863-65-5
- Mondal Kinjal, Raj Shani, Thakur K, Verma A, Ram M and Bishnoi P. 2023. Molecular basis of plant adaptation against aridity. *In*. Abiotic stress in plants-adaptations to climate change (Ed. Oliveira MT).IntechOpen, United Kingdom. ISBN 978-1-83768-497-7.

Awards/ Recognitions

- Qualified ICAR- National Eligibility Test (NET) in Agricultural Biotechnology in April, 2014 and September, 2014.
- Editorial member of Just Agriculture Magazine
- Editorial member of Agrobios Research
- Invited to attend the workshop on “Janjatiya Anusandhan: Asmita, Astitva evam Vikas” at Vigyan Bhawan, New Delhi on November 27-28, 2022