

**Dr. Aditi Thakur**

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Specialization: Plant Biotechnology

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**Research Papers**

- S Sanju, A Thakur, A Singh, BP Singh, OP Verma, PW Ramteke (2019). RNAi: An imminent eco-friendly approach for sustainable crop productivity. *Biotech Today* 9 (2), 18-25.
- Sanju S, Thakur A, Siddappa S, Sharma S, Shukla PK, Srivastava N, Pattanayak D, Singh BP (2016). In-vitro detached leaf assay of host-mediated RNAi lines carrying *Phytophthora infestans* Avr3a effector gene for late blight resistance. *Potato Journal* 43(1):30-37.
- Thakur A, Sanju S, Siddappa, Srivastava N, Shukla PK, Pattanayak D, Sharma S, Singh, BP (2015). Artificial microRNA mediated gene silencing of *P.infestans* single effector Avr3a gene imparts moderate type of late blight resistance in potato. *Plant Pathology Journal* 14: 1-12.
- Sanju S, Siddappa S, Thakur A, Shukla PK, Srivastava N, Pattanayak D, Sharma S, Singh BP (2015). Host-mediated gene silencing of a single effector gene from the potato pathogen *Phytophthora infestans* imparts partial resistance to late blight disease. *Functional and Integrative Genomics*.
- Malhotra B, Huddone S, Verma A, Chamail A, Sanju S, Thakur A, Sindhu R, Singh Y et al., (2012). Indian entrepreneurship in biotechnology comes of age: *Plant Biochemistry and Biotechnology* DOI 10.1007/s13562-012-0145-y.
- Viridi AS, Thakur A, Dutt S, Kumar S, P Singh (2009). A sorghum 85 kDa heat stress-modulated protein shows calmodulin-binding property and cross- reactivity to anti-*Neurospora crassa*-Hsp 80 antibodies. *FEBS Letters* 583: 767-770.

## Awards & Recognitions

- CSIR-Senior Research Fellowship (2012). HRDG-CSIR awarded a stipend-bearing fellowship in Life Science.
- Awarded Gold Medal and Best Paper Award for the paper published in potato journal entitled “*In-vitro* detached leaf assay of host-mediated RNAi lines carrying *Phytophthora infestans* Avr3a effector gene for late blight resistance, volume No. 43.
- Bagged Best Research Paper award-2015 for the paper entitled “Host-mediated gene silencing of a single effector gene from the potato pathogen *Phytophthora infestans* imparts partial resistance to late blight disease at school of Basic sciences inSHIATS.
- Secured 1<sup>st</sup> position in HPU in B.Sc-Final Year, Second year and Ist Year.
- Bagged Best Teacher award in academic session (2018-19) in Department of Biotechnology in HIMT Group of Institutions.