

Dr Swati Verma
Assistant Professor

Specialization: Plant Molecular Biology

Contact: +91 01907-257663

Mobile: 75009 54558

E. mail: swativerma@yspuniversity.ac.in,
swativerma.bio@gmail.com



Important Research Publications

- Verma S, Parul Narwal, Pratibha Kumari, Arun Vincent Kisku, Pallavi Gahlot, Nishu Mittal, Neelam Prabha Negi, Deepak Kumar (2022) Calcium signaling in coordinating plant development, circadian oscillations and environmental stress responses in plants. *Environmental and Experimental Botany* 201: (IF: 6.5; NAAS: 11.55)
- Verma S, Pareek S, Negi N, Kumar D (2022) Auxin response factors in plant adaptation to drought and salinity stress. *Physiologia Plantarum* 174(3): e13714 (IF: 5.08; NAAS: 10.50)
- Verma S, Gautam V, Sarkar AK (2019) Improved laser capture microdissection (LCM)-based method for isolation of RNA including miRNA and expression analysis in woody apple bud meristem. *Planta* 249(6): 2015-20 (IF: 4.1, NAAS: 10.12)
- Singh A, Gautam V, Singh S, Sarkar Das S, Verma S, Mishra V, Mukherjee S, Sarkar AK (2018) Plant small RNAs: advancement in the understanding of biogenesis and role in plant development. *Planta*. 248: 545-58 (IF: 4.1, NAAS: 10.12)
- Kumar A, Gautam V, Kumar P, Mukherjee S, Verma S, Sarkar AK (2019) Identification and co- evolution pattern of stem cell regulator miR394s and their targets among diverse plant species. *BMC Evolutionary Biology*. 19: 1471-48 (IF: 3.2; NAAS: 9.26)
- Gautam V, Singh A, Verma S, Singh S, Chatterjee S, Sarkar AK (2019) Whole mount in situ localization of miRNAs and target mRNA transcript in plants. *3 Biotech*. 9(5): 193 (IF: 2.4; NAAS: 8.41)
- Verma S, Gill KS, Pruthi V, Dhugga KS and Randhawa GS (2013) A novel combination of plant growth regulators for in vitro regeneration of complete plantlets of guar [*Cyamopsis tetragonoloba* (L.) Taub.]. *Indian Journal of Experimental Biology*. 51: 1120-24 (IF: 1; NAAS: 6.82)
- Verma S (2021) CRISPR/Cas9 as a dexterous tool to mend plant MIR genes for agronomic trait improvement. *Current Science*. 121 (8) (IF: 1; NAAS: 7.10)
- Gautam V, Singh A, Verma S, Kumar A, Kumar P, Mahima, Singh S, Mishra V, Sarkar AK (2017) Role of miRNAs in root development of model plant *Arabidopsis thaliana*. *Plant Physiology Reports*. 22: 382-92 (IF: 0.7; NAAS: 5.50)
- Dhiman K, Verma S and Srivastava DK (2014) Plant regeneration, genetic transformation and expression of gus gene in Broccoli. *Vegetable Science* 41(8): 129-34 (Best Research Paper Award) (NAAS: 5.0)

Awards & Recognitions

- Department of Science and Technology (DST)-AWSAR Award (2019) for Best Research Story as National-Post Doctoral Fellow at NIPGR, New Delhi
- Department of Science and Technology (DST) Govt of India-Science and Engineering Research Board (SERB), National-Post Doctoral Fellowship (N-PDF) during May 2017-2019 (Principal Investigator of the research grantworth INR 22,00000/-
- Department of Science and Technology (DST) Govt. of India Foreign Travel Grant (Feb, 2014) for attending a conference in Vienna, Austria
- Department of Biotechnology (DBT) Govt. of India Foreign Travel Grant (Feb, 2014) for attending a conference in Vienna, Austria
- Dr. Harbhajan Singh Memorial Award-2014 for Best Research Paper by Indian Society of Vegetable Sciences, India
- Qualified Center for Science and Industrial Research (CSIR)-JRF exam June 2009. Aailed CSIR-Junior Research Fellowship between Jan 2010-Dec 2011.
- CSIR-National Eligibility Test (NET) December, 2009
- Best Poster Award in National Symposium on Biodiversity and Food Security organized by Indian Institute ofPulses Research (IIPR) Kanpur, India from December 10-11, 2011
- Certificate of Merit by Himachal Pradesh Board of School Education (HPBSE), India in matriculation examination.
- Certificate of Honour for B.Sc. degree by CSK Himachal Pradesh Agriculture University Palampur (HP)
- Certificate of Honour for M.Sc. degree by Dr. Y. S. Parmar University of Horticulture and Forestry Nauni, Solan (HP)