

Aditi Jain



Brief Introduction

Aditi Jain, a proud alumna of TERI University, did her PhD from University of Delhi. Her doctorate work entitled “Analysis of synteny and regulatory diversification in *miR164* and its target in polyploid *Brassica*” which emphasized on the importance of regulatory evolution in diversification of gene function, one of the underlying basis of phenotypic diversity observed in related organisms. Further, her research also emphasized on importance and need to use syntenic framework to study miRNA evolution across related taxa and suggested a pipeline to carry out such analysis in Brassicaceae. Her doctoral work has been published in international journals and she has presented her research in numerous national and international conferences. She has recently been awarded National Post-doctoral fellowship by Department of Science and Technology and is using TERI University as a host institute to carry out her suggested research work. In this new research role, she is focusing to better understand the promoter architecture and extend the knowledge to construct tailored promoters for use in plant transgenic programs.

Educational Qualifications

PhD, Department of Botany, University of Delhi, 2017

MSc in Plant Biotechnology, TERI University, 2010

BSc Life Sciences, Hansraj College, University of Delhi, 2008

Honors and Awards

National Post-Doctoral Fellowship by SERB, Department of Science and Technology (2017)

Fellowship (JRF/SRF) by University Grant Commission (2011-2016)

UGC-NET Qualified (2010)

GATE (Graduate Aptitude test in Engineering) Qualified, Percentile-98.3, All India Rank-91 (2010)

DBT (Department of Biotechnology)-JRF (2010)

Post Graduate Scholarship by Department of Biotechnology for pursuing MSc in Plant Biotechnology at TERI University (2008-2010)

Publications

1. Synteny and comparative analysis of miRNA retention, conservation, and structure across Brassicaceae reveals lineage- and sub-genome-specific changes

Jain A, Das S

Functional Integrative Genomics, 2016

2. Comparative Genomics and Synteny Analysis of KCS17-18 Cluster across different genomes and sub-genomes of Brassicaceae for analysis of its evolutionary history

Singh NK, Anand S, Jain S, Das S

Plant Molecular Biology Reporter, 2017