

Rupesh Deshmukh

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Department of Biotechnology
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Total Publications: 180

Citations: 9000

H-index 52

I10 - 130



Professional Experience

Designation	Institute/University	Start	End
Associate Professor	Central University of Haryana, (HR) India	Nov 2022	Present
Associate Professor	Plaksha University, Mohali (PB) India	July 2022	Nov 2022
Ramalingaswami Fellow	National Agri-Food Biotechnology Institute (NABI) Mohali (PB) India	Apr 2018	July 2022
Visiting Professor	University Laval, Quebec (QC) Canada	Dec 2014	Apr 2018
Post-doctoral Fellow	University of Missouri, Columbia, USA	Feb 2014	Nov 2014
Post-doctoral Fellow	University Laval, Quebec (QC) Canada	Jul 2011	Feb 2014
Adjunct and honorary positions			
Honorary Professor	Amity University Noida	June 2023	present
Adjunct faculty	Swami Keshwanand Rajasthan Agricultural University, India	Dec 2020	present

Education

Degree	University	Year
Ph.D. (Biotechnology)	Swami RamanandTirthMarathwada University, Nanded (MS) India	Mar 2011
M.Sc. Agriculture (Biotechnology)	Indira Gandhi. Agriculture University Raipur (CG)	Dec 2004
B.Sc. Agriculture (4 years)	Marathawada Agriculture University, Parbhani (MS) India	June 2002

Awards/Fellowships/ National level qualifications

Award	Agency/Society	Year
P.S. Khankhoje Gold Medal"	Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola	Feb 2024
NASI Scopus Young Scientist Awards	Elsevier and National Academy of Sciences, India (NASI)	Nov 2019
Ramalingaswami Fellowship	Ministry of Science & Technology Department of Biotechnology Government of India	Nov 2017
Fellow of ISGPB	Indian Society of Genetics and Plant Breeding (ISGPB)	Dec 2018
Fellow of ARRW	Association of Rice Research Workers (ARRW)	Dec 2021
Top 2% Scientists	Stanford University list of the World's Top 2% Scientists	2021, 2022, and 2023

Research Projects and Funding

S. No	Title of the project	Total cost	Agency	Present status
Project handled as PI				
1.	Improvement in silicon uptake, fruit quality and yield by targeting multiple genes (SINIP2-1, SIAP2a SP5G and PL) with CRISPR/CAS9 approach in tomato	88 lakhs	DBT	Completed
2.	Understanding the molecular basis of selective transport of silicon and arsenic by modulating Nodulin 26-like Intrinsic protein 2-1 (NIP2-1) in rice (<i>Oryza sativa</i>)	37 lakhs	SERB	Completed
3.	Development of superior haplotype based near isogenic lines (Haplo-NILs) for enhanced genetic gain in rice	75 lakhs	DBT	Completed
4.	Development of climate-resilient mustard through multiplex genome editing of abiotic stress-related genes	40 lakhs	DST-Haryana	1 st year
Project handled as Co-PI				
1.	Imparting sheath blight disease tolerance in rice	59 lakhs	DBT	Completed

Teaching

S. No	Subject	Degree	University/Institute
1.	Basic Bioinformatics	Ph.D.	National Agri-Food Biotechnology Institute (NABI)
2.	Fundamentals of Genomics	Ph.D.	National Agri-Food Biotechnology Institute (NABI)
3.	Analytical Techniques	M.Sc.	Central University of Haryana (CUH)
4.	Genetic engineering	M.Sc.	Central University of Haryana (CUH)
5.	Omics	Ph.D.	Central University of Haryana (CUH)

Research Supervisor (Ph.D. and M.Sc.)

PhD Awarded: 5	PhD ongoing: 4
MSc Awarded: 6	MSc ongoing: 1

Editorial experience

1. Associate Editor for Journal of Advanced Research (Impact Factor (IF) 10.5)
2. Associate Editor for The Plant Genome (IF 4.21)
3. Associate Editor for Plos One (IF 3.7)
4. Associate Editor for BMC Biotechnology (IF 3.5)
5. Associate Editor for Frontiers Genome editing (New Journal)
6. Associate Editor for Bulletin of the National Research Centre
7. Associate Editor for Plant Nano Biology (New Journal)
8. Associate Editor for Journal of Plant Growth Regulation (Springer, IF:4.8)

Research Publications

1. Research articles: 180
 2. Books: 8
- Google Scholar Link: <https://scholar.google.co.in/citations?user=n81sJJsAAAAJ&hl=en>