

Dr. Deepanker Yadav, M.Sc, Ph.D.

Assistant Professor

Department of Botany

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Area/Group of Specialization: Plant molecular biology, genetic engineering, physiology and developmental biology

Research experience: 2017 - till date

Teaching experience: 2019 - till date

Academic Qualifications:

Year	Degree	University/Institute/College
2016	Ph.D, under the supervision of Prof. P.B. Kirti thesis entitled "Characterization of Arabidopsis annexin-8 and identification of Arabidopsis annexin homologs in Brassica rapa"	University of Hyderabad, Hyderabad, India
2009	M.Sc (Botany)	Department of Botany, Banaras Hindu University, Varanasi
2005	B.Sc (Botany, Chemistry)	Deen Dayal Upadhyay Gorakhpur University, Gorakhpur

Teaching & Research Experience:

Duration	Designation	Institute/University/College	Nature of duties
12/2019 to date	Assistant Professor	Department of Botany, Guru Gasidas Vishwavidyalaya, koni, Bilaspur.	Teaching, research, practical and project of UG and PG classes
03/2017- 11/2019	Postdoctoral Researcher	Department of fruit tree Sciences, Institute of Plant Sciences, Agricultural Research Organization (ARO), Ministry of Agriculture and Rural Development, Volcani, Israel	Research
07/2011 - 10/2011	Visiting scholar	Prof. Jörg Kudla lab, Institute of Plant Biology and Biotechnology, University of Münster, Germany	Research
11/2011– 07/2014	Senior Research Fellow	Department of Plant Sciences, University of Hyderabad, India	Research
08/2009– 06/2011	Junior Research Fellow	Department of Plant Sciences, University of Hyderabad, India	Research

List of Publication:

- 1) **Yadav, D.** , Zemach, H., Belausov, E., Charuvi, D. (2019), Initial proplastid-to-chloroplast differentiation in the developing vegetative shoot apical meristem of Arabidopsis. Biochemical and Biophysical Research Communications. <https://doi.org/10.1016/j.bbrc.2019.09.019>
- 2) Joshi, N. C., **Yadav, D.**, Ratner, K., Kamara, I., Aviv-Sharon, E., Irihimovitch, V. and Charuvi, D. (2019), Sodium hydrosulfide priming improves the response of photosynthesis to overnight frost and day high-light in avocado (*Persea americana* Mill, cv. 'Hass'). *Physiol Plantarum*. Accepted Author Manuscript. <https://doi:10.1111/ppl.13023>
- 3) Ratner, K., Joshi, N.C., **Yadav, D.**, Kamara, I., Many, I., Esquira, I., Achiam, M., Gilad, Z., and Charuvi, D. (2019). LED-interlighting for improving the productivity/fruit yield of passive tunnel-grown bell pepper. *Acta Hortic*. Accepted
- 4) **Yadav, D.**, Boyidi, P., Ahmed, I., & Kirti, P. B. (2018). Plant annexins and their involvement in stress responses. *Environmental and Experimental Botany*, 155, 293-306. <https://doi.org/10.1016/j.envexpbot.2018.07.002>
- 5) Ahmed, I., **Yadav, D.**, Shukla, P., & Kirti, P. B. (2018). Heterologous expression of Brassica juncea annexin, AnnBj2 confers salt tolerance and ABA insensitivity in transgenic tobacco seedlings. *Functional & Integrative Genomics*, 18(5), 569-579. <https://doi.org/10.1007/s10142-018-0614-z>
- 6) Ahmed, I., **Yadav, D.**, Shukla, P., Vineeth, T. V., Sharma, P. C., & Kirti, P. B. (2017). Constitutive expression of Brassica juncea annexin, AnnBj2 confers salt tolerance and glucose and ABA insensitivity in mustard transgenic plants. *Plant Science*, 265, 12-28. <https://doi.org/10.1016/j.plantsci.2017.09.010>
- 7) Shukla, P., Singh, N. K., Gautam, R., Ahmed, I., **Yadav, D.**, Sharma, A., & Kirti, P. B. (2017). Molecular approaches for manipulating male sterility and strategies for fertility restoration in plants. *Molecular Biotechnology*, 59(9-10), 445-457. <https://doi.org/10.1007/s12033-017-0027-6>
- 8) **Yadav, D.**, Ahmed, I., Shukla, P., Boyidi, P., & Kirti, P. B. (2016). Overexpression of Arabidopsis AnnAt8 alleviates abiotic stress in transgenic Arabidopsis and tobacco. *Plants*, 5(2), 18. <https://doi.org/10.3390/plants5020018>
- 9) **Yadav, D.**, Ahmed, I., & Kirti, P. B. (2015). Genome-wide identification and expression profiling of annexins in Brassica rapa and their phylogenetic sequence comparison with B. juncea and A. thaliana annexins. *Plant Gene*, 4, 109-124. <https://doi.org/10.1016/j.plgene.2015.10.001>
- 10) Dalal, A., Kumar, A., **Yadav, D.**, Gudla, T., Viehhauser, A., Dietz, K.-J., & Kirti, P. B. (2014). Alleviation of methyl viologen-mediated oxidative stress by Brassica juncea annexin-3 in transgenic Arabidopsis. *Plant Science*, 219, 9-18. <https://doi.org/10.1016/j.plantsci.2013.12.016>

Fellowships/Grants:

Year	Name	Organization
2017-2019	ARO Post-Doctoral Fellowship	Agricultural Research Organization, Israel
2015	DBT International Travel Grant	Department of Biotechnology, India
2015	UPE Travel Grant	University with Potential for Excellence (UPE), University of Hyderabad, Hyderabad
2011 – 2014	Senior Research Fellowship	Centre for Science and Industrial Research (CSIR), India
2009 - 2011	Junior Research Fellowship	Centre for Science and Industrial Research (CSIR), India
2011	DAAD Fellowship in DAAD Program “A new passage to India” and “Pre PhD Module in Life Sciences” at the University of Münster, Germany	DAAD, Germany
2009	CSIR NET JRF, India	CSIR UGC, India
2009	GATE (Score 713, AIR: 4, Percentile: 99.97)	IIT Roorkee, India
2009	Shortlisted for Shyama Prasad Mukherjee (SPM) Fellowship Interview	Centre for Science and Industrial Research (CSIR), India

Conferences, workshops, and presentations:

- 1) Presented poster in 14th International Rapeseed Congress (IRC2015) from 5-9 July 2015, Saskatoon, Canada.
- 2) Oral Presentation in Plant Science Colloquium, Department of Plant Science University of Hyderabad, India

Invited Reviewer of the journals:

- 1) The Plant Cell (ISSN : 1532-298X) American Society of Plant Biologists (Rockville, US)
- 2) Plant Signaling & Behaviour (ISSN: 1559-2324) Taylor & Francis
- 3) Plant Gene (ISSN: 2352-4073), Elsevier
- 4) Research & Reviews: Journal of Botanical Sciences (ISSN: 2320-0189)
- 5) International Journal of Molecular Sciences (ISSN 1422-0067) MDPI