

## Name of the Faculty member



Dr. Purnima Bhandari  
Assistant Professor  
Department of Botany, MCM DAV College For Women, Sector 36-A,  
Chandigarh – 160036.

✉ purnima3320@gmail.com

☎ 9872863320

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## Areas of Interest

- Plant Physiology
- Abiotic stress physiology
- Plant-Microbial Interactions

## Educational details

Degree	Year	University	Percentage	Medals/ Positions
Ph.D.	2017	Department of Botany, Panjab University, Chandigarh	-----	---
M.Phil.	2010	Department of Botany, Panjab University, Chandigarh	76 %	----
NET	2008	CSIR - UGC (NET) qualified for Lectureship	-----	----
M.Sc. (Hons.)	2008	Department of Botany, Panjab University, Chandigarh	78.6 %	Third
B.Sc.	2006	MCM DAV College for Women, 36- A, Chandigarh	83.25 %	First division with distinction; <i>COLLEGE TOPPER</i>

## Professional Details

Designation	From	To	Organization
Assistant Professor	21 July 2018	Till now	MCM DAV College for Women, Sector 36-A, Chandigarh
Assistant Professor	8 July, 2017	30 April, 2018	MCM DAV College for Women, Sector 36-A, Chandigarh

Assistant Professor	7 July, 2016	30 April, 2017	MCM DAV College for Women, Sector 36-A, Chandigarh	
Assistant Professor	27 July, 2015	30 April, 2016	MCM DAV College for Women, Sector 36-A, Chandigarh	
Awards & Recognitions				
Award	Institute	Year		
TRAVEL GRANT	Sponsored by International Union of Biological Sciences (IUBS), Paris for presenting research work in ICPEP- 6 (Sixth International Conference on Plants & Environmental Pollution in CSIR-National Botanical Research Institute Lucknow, India.	2018 (26 -30 November, 2018)		
Second prize in Poster presentation.	In: 12 <sup>th</sup> Chandigarh Science Congress (CHASCON). Organized by Panjab University, Chandigarh with Chandigarh Region Innovation and Knowledge cluster (CRIKC).	2018 (February 12-14, 2018)		
Consolation prize in Poster presentation.	In: 12th Chandigarh Science Congress (CHASCON). Organized by Panjab University, Chandigarh with Chandigarh Region Innovation and Knowledge cluster (CRIKC).	2018 (February 12-14, 2018)		
Best Oral Presentation	In: National Conference on Plant Science Research: Looking beyond 21st century for environmental and agricultural revolution. Organized by Society for Plant Research (VEGETOS) and department of Botany, university of Delhi, New Delhi, INDIA.	2016 (January 5-7, 2016)		
Research Publications				
Title	Journal	Refereed	Date and Year of Publication	Online Link
Dynamics of Arbuscular Mycorrhizal	In: Mycorrhiza - Nutrient Uptake,	-	31 December, 2017	<a href="https://doi.org/10.1007/978-3-319-68867-1_2">https://doi.org/10.1007/978-3-319-68867-1_2</a>

Symbiosis and Its Role in Nutrient Acquisition: An Overview.	Biocontrol, Ecorestoration, (eds.) Varma A., Prasad R., Tuteja N., Springer, Cham, Switzerland, pp. 21-43.			
Arbuscular Mycorrhizal Symbiosis: A Promising Approach for Imparting Abiotic Stress Tolerance in Crop Plants.	In: Plant-Microbe Interactions in Agro-Ecological Perspectives, (eds.) Singh, D., Singh, H. and Prabha, R., Springer, Singapore, pp. 377-402.	-	28 September, 2017	<a href="https://doi.org/10.1007/978-981-10-5813-4_19">https://doi.org/10.1007/978-981-10-5813-4_19</a>
Arbuscular mycorrhizal symbiosis: A boon for sustainable legume production under salinity and heavy metal stress.	In: MYCORRHIZAL FUNGI, (eds.) Aggarwal, A. and Yadav, K., Astral International Pvt., Ltd, New Delhi, pp. 247-273.	--	2017	Article in printed format
Silicon nutrition and mycorrhizal inoculations improve growth, nutrient status, K <sup>+</sup> /Na <sup>+</sup> ratio and yield of <i>Cicer arietinum</i> L. genotypes under salinity stress.	Plant Growth Regulation	Yes	April 2016	<a href="https://doi.org/10.1007/s10725-015-0099-x">https://doi.org/10.1007/s10725-015-0099-x</a>
Interactive effects of silicon and arbuscular mycorrhiza in modulating ascorbate-glutathione cycle	Protoplasma	Yes	September 2016	<a href="https://doi.org/10.1007/s00709-015-0892-4">https://doi.org/10.1007/s00709-015-0892-4</a>

and antioxidant scavenging capacity in differentially salt-tolerant <i>Cicer arietinum</i> L. genotypes subjected to long-term salinity.				
Metal uptake, oxidative metabolism, and mycorrhization in pigeonpea and pea under arsenic and cadmium stress.	Turkish Journal of Agriculture and Forestry	Yes	April 2015	<a href="http://doi: 10.3906/tar-1406-121">http://doi: 10.3906/tar-1406-121</a>
Cadmium toxicity in crop plants and its alleviation by arbuscular mycorrhizal (AM) fungi: An overview.	Plant Biosystems	Yes	April 2013	<a href="https://doi.org/10.1080/11263504.2013.788096">https://doi.org/10.1080/11263504.2013.788096</a>
Influence of cadmium stress and arbuscular mycorrhizal fungi on nodule senescence in <i>Cajanus cajan</i> (L.) Millsp.	International Journal of Phytoremediation.	Yes	January 2012	<a href="https://doi.org/10.1080/15226514.2011.573822">https://doi.org/10.1080/15226514.2011.573822</a>
<b>Books Published – NIL</b>				
<b>Title</b>	<b>Publisher</b>	<b>ISBN</b>	<b>Year of Publication</b>	
<b>Research Projects – NIL</b>				
<b>Title</b>	<b>Funding Organization</b>	<b>Year</b>	<b>Status</b>	
<b>Miscellaneous</b>				
NA				