


Name: Dr. Dwijendra Barman

Designation: Principal Scientist (Horticulture)

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Qualification:	Ph.D. (Horticulture)	
Specialization:	Floriculture	
Professional Experience:	20 Years	

Publications:

- Full length Research Paper: 41
- Research Short Communication: 13
- Popular article: 8
- Bulletin: 11
- Proceeding: 2
- Book Chapter: 4
- Manual: 7

Training (International):

- Advanced training for Orchid cultivation at Univ. of Hawaii, Honolulu, USA, 2004.

Training (National):

Title	Duration	Institution	Year
Farming system in Hill agriculture	20.07 to 30.07 11days	ICAR Res.Complex for NEH Region	1994
Production, Protection and Post harvest technology of Horticultural Crop	21.03 to 26.04 36 days	CISH, Lucknow	1996
Conservation and Maintenance of Germplasm	19.09 to 01.10. 12 days	NBPGR, N. Delhi	1997
Bio - Dynamics of Horticultural Crops	14.04 to 19.04 6 days	CISH, Lucknow	2002
RTI	29.05 to 30.05	Bhubaneswar	2009
Management Development Programme on 'Leadership for Innovation in Agriculture under NAIP'	18.01 to 22.01 5 days	IIM -Lucknow ,Noida campus.	2010
Vigilance Management	22.02 to 24.02 3 days	ISSR, Calicut	2010
MDP in Agriculture	03-07 Dec., 2012 5 Days	NAARM, Hyderabad	2012
Application of Information and Communication Technology	19 th to 21 st Dec. 2013	NRC for Orchids	2013

Recognition:			
Fellow	2012	Ornamental Soc. India	Individual
Best Poster	2002	Evaluation of Himalayan Orchids species for their suitability as high potted plant. Natl. Symp. On Indian Floriculture in the new Millennium organized by ISOH held at Lal Bagh, Bangalore (Feb. 25-27) (Abst. IV. 28).	Dr S. P .Das, Dr D. Barman, Dr. Rampal, Dr. V.Nagaraju and Dr. R.C. Upadhyaya
Best Poster	2007	Cymbidium based floriculture model for entrepreneurial development in Sikkim. Opportunities and linkages for horticultural research and development (Focus: North- Eastern Region. Horticultural society of India, New Delhi (18-21 April, 2007) held at ICAR Res. Complex, Barapani, Shillong. *(Abst. 4.34).	Dr. D. Barman, Dr. B. Rai and Dr. R. C. Upadhyaya
Reviewer	2009-10	Ornamental Soc of India	Individual
Reviewer	2010-11	Indian J. Hort	Individual
Reviewer	2012	African J. Biotechnology	Individual
Reviewer	2012-13	Journal of Crop and Weed	Individual
3 rd prize – Best Poster	2014	Fragrant Orchids: an option for livelihood generation In: National Conference on Orchids: Conservation, Improvement and Sustainable Development, Thrissur, Kerala: March 13-15, 2014.(pp 21)	D Barman, A Mandal Khan, Raj Kumar and R P Medhi
PBX-05-55	2011	-	Collaborative
PBX-05-34	2012	-	-DO-
PBX-05-56	2012	-	-DO-
PBX-05-10	2012	-	-DO-
PBX-05-29	2012	-	-DO-

Award:

- Fakhruddin Ali Ahmed Award 2002-03

Brief Achievement :

Technology	a) Low cost poly house for cymbidium cultivation.	2004-05	Collaborative	Farmers are adopting lowcost bamboo based structure, using potting mixture and preparing their own slow release.
	b) Developed potting mixture for Orchid like Cattleya, Cymbidium and Phalaenopsis	2006-07	Individual	
	c) Slow Release Organic Nutrition	2007-08	Collaborative	
Varieties	NRCO-42 (Dendrobium)	2008-09	Collaborative	As a team member help in multiplication of hybrids
	PBX-05 (Cymbidium)	2012	Collaborative	

- Organized one short course and one model training as Course Director.
- Working as Vigilance officer and CPIO (RTI).
- Worked as Secretary QRT and Member Secretary RAC.
- Organised 3 Kisan Mela.

Selected Publication:

- Barman, D., M. Datta, L. C. De and S. Banik 2003. Efficacy of phosphate solubilizing and phytohormone producing bacteria on growth and yield of tuberose in acid soil of Tripura. *Indian J. Hort.*, 60(3): 303-306.
- D. Barman, K. Rajni, S. P. Das, V. Nagaraju and R. C. Upadhyaya 2004. Response of auxins to rooting and shoot growth in back bulbs of *Cymbidium* hybrid Show Girl Cook's Bridge. *J. Ornament. Hort.* 7(1):118-120.
- D. Barman, R. C. Upadhyaya, K. Rajni and S.K.Naik 2005 Effect of media and Planting system on growth and flowering of *Cymbidium Tracyanum* L. Castle. *J. of The Orchid Society of India.*,19(1-2),73-76.
- D. Barman, K. Rajni, R. C. Upadhyaya and D. K. Singh 2006 Effect of horticultural practices for sustainable production of rose in partially modified greenhouse. *Indian J. Hort.*, 63(4):415-418.
- D. Barman, J.Basak, B. Rai, R. Devdas, V. Nagrare and R.P. Medhi.2007. Performance of *Cymbidium* hybrids in Mid hill situation of Sikkim. *J. Ornament. Hort.* 10(1):30-33
- D. Barman, K. Rajni, S. K. Naik. and R. C. Upadhyaya. 2008. Production of *Cymbidium* Soul hunt-6 by manipulating some of the cultural practices under partially modified green house. *Ind. J. Hort.* 65(1)-69-72.
- R. Devdas, P. Khatiwara, D. Barman and S. P. Das. 2009. Breeding *Dendrobium phalaenopsis*-cane type hybrid in India: NRCO-42 (*Den.*"Emma White" X *Den.* "Pompadour"). *Indian J. Genet.* 69(3): 237-242
- D.Barman, R.P. Medhi, Utpala Parthasarathy, K.Jayarajan and V.A. Parthasarathy. 2011. Geospatial approach to Diversity of *Cymbidium Swartz* in Sikkim. *The MIOS Journal* 12 (10): 8-16.
- S.K.Naik,,R. Devdas,, T. Usha Bharathi D. Barman and R.P. Medhi. 2011. Changes in nutrient content and iron deficiency in growing media of *Cymbidium* hybrid 'Pine Clash Moon Venus'. *Indian J.Agric.Sci.* 81(8): 764-6.
- D. Barman, T.U. Bharati and R.P. Medhi (2012). Effect of media and nutrition on growth and flowering of *Cymbidium* hybrid H.C. Aurora. *Indian J. Hort.* 69(3): 395-398
- S.K Naik, D Barman, Rampal and RP Medhi (2013). Evaluation of electrical conductivity of the fertiliser solution on growth and flowering of a *Cymbidium* hybrid. *South African Journal of Plant and Soil* 2013, 30(1): 33-39.
- S. K. Naik, D. Barman and N. Pathak. 2013. Response of graded levels of calcium and magnesium on growth and flowering of *Cymbidium* hybrid 'Mint Ice Glacier'. *African Journal of Agricultural Research*, 8(17): 1767-1778.
- N.K.Meena,Rampal,D.Barman and R.P.Medhi.2013. Biology and seasonal abundance of the two-spotted spider mite, *Tetranychus urticae*, on orchids and rose. *Phytoparasytica*, DOI 10.1007/s 12600-013-0320-2.
- D.Barman and R.Devadas. 2013. Impact of Climate Change on Orchid Population and Conservation

Strategies –A Review. J.Crop and Weed. 9(2):1-12.

- S.K.Naik, D.arman, R.Devadas and T.Ushabharathi.2013. Evaluation of Panchgavya as a source of nutrient for Cymbidium orchids. African Journal of Agriculture Research,8(46):5728-5732. DOI: 10.5897/AJAR2015.7415
- T. Usha Bharathi, D. Barman and S. K. Naik. (2014) . Effect of harvesting stages and chemical preservatives on post harvest life of *Cymbidium* hybrid ‘Red Princess’. *VEGETOS*, 27 (1): 188-194. DOI: 10.5958/j.2229-4473.27.1.029.

