


Name: Dr. (Ms.) Syamali Chakrabarti

Designation: Senior Scientist (Genetics)

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Qualification:	Ph.D. (Agriculture)	
Specialization:	Genetics and Pl.breeding	
Professional Experience: Research-24 yrs		
Publications: <ul style="list-style-type: none">a) Research paper: 10b) Popular Articles: 26c) Books: 01d) Book Chapters: 03e) Bulletins:		
Training (International):		
Training (National): <ul style="list-style-type: none">• Workshop on Sequence Analysis w.e.f December 21-30,1994, organized by Distributed Information Centre, Bose Institute ,Kolkata.• Training on DNA fingerprinting of Orchids at NRC for DNA Fingerprinting,NBPGR,New Delhi W.e.f.23rd July-28thAugust,1999 and w.e.f.18th June-19th July,2000.• Senior Level programme on Agricultural Scientist Development for Personal and Organizational Effectiveness w.e.f June12-23, 2001 at NAARM, Hyderabad• Second Orientation Course on Biosafety Considerations for Evaluating Transgenics.at NBPGR, New Delhi. w.e.f.2-9 November,2001• Technologies in Gene cloning, sequencing and plant transformations w.e.f.17-29th November ,2003 at IIHR, Bangalore.• Training programme on “Intellectual Property Rights and world Trade organization Related Issues ” w.e.f. January 23-27,2006 sponsored by DST at Administrative College Of India(ASCI), Bella Vista, Raj Bhavan Road , Hyderabad-50082, A.P.• Fourth NIAS-DST course for senior Scientist-administrators on Multidisciplinary Perspectives on Science and Technology” w.e.f. October29-November11,2006 at National Institute of Advanced Studies, IISC Campus, Bangalore• Training programme on Project Formulation, ,Implementation and Evaluation “sponsored by DST at Administrative College Of India(ASCI), Bella Vista, Raj Bhavan Road , Hyderabad-50082, A.P w.e.f.. April 16 – 27,2007• Training programme on DNA fingerprinting of Orchids at NRC for DNA Fingerprinting,NBPGR,New Delhi W.e.f.1st August-28thAugust,1999 and w.e.f.18th June-19th July,2010.• Training programme on PCR based Advanced DNA Fingerprinting at Department of Biotechnology, Assam University, Silchar-788011 w.e.f. 21 April-5May,2010		

- Winter school on Molecular Approaches for Allele Mining and Crop Improvement at Division of Genetics, IARI, New Delhi w.e.f.5-25 January ,2012

Recognition:

- Visited Bangladesh and different parts of India as a member of monitoring committee of cold tolerance Rice organized by INGER, IRRI, Philippines.

Award:

- Awarded 2years Post Doctoral training in Plant Biotechnology by DBT, Govt. of India at Bose Institute, Kolkata

Brief Achievement :

- Prepared data base on the basis of morphological and biochemical parameters of 200 Indian orchids. This data base.
- Molecular characterization of native *Cymbidiums*, *Coelogyne*, *Dendrobium*, *Paphiopedilum* and *Vanda* orchids using RAPD, ISSR and SSR markers.

Selected Publication :

- Syamali Chakrabarti, 2005. Current Status and Future Opportunities of Introduced Cymbidium Hybrids in India. published in Indian Journal of Plant Genetic Resources.Vol.18 No.1 pp 126-127.
- Chakrabarti Syamali. Application of RAPD technique to study the genetic relationship of Orchids. In book- Recent Trend in Biotechnology
- J.Sarkar, J.Das and S.Chakrabarti, 2006. Estimation of Foliar Pigments and Phenol concentrations to assess red spider mite (*Tetranychus articae* Koch.) tolerance in cymbidium orchids published in ENTOMON 31(3):p 159-164
- S.Chakrabarti, J.Sarkar, 2006. Estimation of foliar pigments and its relationship with leaf thickness in 16 species of the genus *Eria* of family Orchidaceae published in Indian Journal of Ornamental Horticulture, vol 9 (3)p184-187.
- S.Chakrabarti, B.Rai, J.Sarkar and J.Das, 2007. Estimation of Photosynthetic Pigment Variations in Five Developmental Stages of *Cymbidium whitae* of family Orchidaceae published in Environment and Ecology vol.25 (2), p 270-273.
- Syamali Chakrabarti, J.Sarkar and B.Rai, 2007. Influence of Potting Media on Leaf Morphology and Biochemical Parameters of *Epidendrum* orchid. published in Environment and Ecology . vol .25(2),p280-283.