

Name: Dr. Samira Chugh

Designation: Assistant Professor (Ad Hoc)

Educational qualifications:

<u>Name of the examination passed</u>	<u>Board/University</u>	<u>Year of passing</u>	<u>%age of marks scored</u>
Ph.D.	University of Delhi	2011	
M.Phil.	University of Delhi	2006	85.8%
M.Sc. Botany	University of Delhi	2004	72.6%
B.Sc. Botany	University of Delhi (Daulat Ram College)	2002	77.4%
XII	ISC	1999	75.6%
X	ICSE	1997	81.7%

Qualified UGC- JRF June (2005)

Title of M.Phil. Thesis (Review): Micropropagation of Orchids

Title of Ph.D. Thesis: *In Vitro* Propagation of Ornamental Plants: Everlasting Paper Daisy [*Helichrysum bracteatum* (Vent.) Andrews], a Commercially Important Orchid Hybrid (*Cattleya* Summer Song) and a Foliage Plant (*Yucca* Golden Sword)

Area of Specialization: Plant Tissue Culture

Awards:

- First position in all three years in B.Sc. Botany (H).
- Second position in the university in B.Sc. Botany (H).
- First position in M.Phil. Botany in the Department of Botany, University of Delhi.
- Awarded Shri Asa Nanda Memorial Silver medal instituted by Dr. Kanan Nanda given to the student of B.Sc. (H) Botany second year for securing highest marks in first year examination.
- Awarded Dr. Sudha Sehgal, Mrs Vineeta Behl and Mrs Mamta Rastogi Memorial prize instituted by teachers of Daulat Ram College for securing IInd position in Botany (H) IIIrd year in the University.
- Awarded Smt. Leelawati Nanda Memorial prize instituted by Dr. Kanan Nanda for Best All Round Student of BSc. (H) IIIrd year.
- Second position in Poster presentation in National Seminar on Orchid Conservation, Improvement and commercialization, Chandigarh.

Publications:

Research papers:

- **Chugh, S.;** Guha, S. & Rao, I.U. 2009. Micropropagation of orchids: A review on the potential of different explants. *Sci. Hortic.*, **122**: 507-520. (ISSN: 0304-4238) **Cited By 105 and Most Downloaded Review of Elsevier in 2010-2013**
- **Chugh, S. & Rao, I.U.** 2009. Effect of triiodobenzoic acid, an auxin polar transport inhibitor, on *in vitro* propagation of everlasting daisies. *Proceedings of the International Conference*

on Plant Biotechnology and Molecular Biology, Kakatiya University, Warangal, Andhra Pradesh, India.

- Samira Chugh, Monika Jaggi & I. Usha Rao. *In Vitro* Rapid Multiplication, Origin, Growth and Development of Protocorm-like bodies into Shoots and Plantlets of the Commercially Important Orchid Hybrid *Cattleya* Summer Song using Plant Growth Regulators and Putrescine. **Phytomorphology** (In Press)

Chapters

- Gladys Muivah, Vera Kapai, **Samira Chugh** (2015) "Totipotency and Organogenesis" Lesson Prepared Under MHRD project "National Mission on Education Through ICT" <http://vle.du.ac.in/mod/book/view.php?id=13159> ISSN 2349 154X

Conference presentations

- **Chugh, S.** & Rao, I.U. 2006. Morphogenetic Studies in Straw Flower, *Helichrysum bracteatum*. National Symposium on Plant Biotechnology, Forest Research Institute. Dehra Doon, Uttarakhand.
- Guha, S.; Bhattacharya, M., **Chugh, S.** & Rao, I.U. 2006. Post pollination behaviour in orchids-Some aspects. In: Abstracts, 8th National Seminar on Orchid conservation, Improvement and commercialization. Eds, Jasmeet K. Sembi and Promila Pathak. P:44, Chandigarh.
- Vyas, S.; **Chugh, S.**; Kapai, V.Y. & Rao, I.U. 2009. Assessing potential of explants for mass scale propagation of orchid hybrids and electron microscopy analysis to study changes accompanying acclimatization. National Conference on Orchids: Systematics and Diversity Analysis for Conservation and Sustainable Utilization at G.B. Pant Institute of Himalayan Environment and Development, Almora, Uttarakhand, December 20-22.
- **Chugh, S.**; Vyas, S.; Guha, S. & Rao, I.U. 2009. *In vitro* propagation of *Cattleya* Summer Song, a commercially important orchid hybrid. 30th Annual Meeting of Plant Tissue Culture Association (India) & National Symposium on "Plant propagation, conservation, modification and characterization." Institute of Himalayan Bioresource Technology (CSIR), Palampur (HP), April 3-4.

Article in Anthesis (Gargi College Botany Magazine)

- Ecoinformatics: From the Gene to the Biosphere

Work shop Organized:

- Participated in Organizing work shop for Laboratory staff of Gargi college on Familiarization with common plants in Gargi College (August 2013)
- Participated in Organizing Summer workshop on Interdisciplinary Sciences for the students of Gargi College (May,26-31, 2014)

Societies:

- Delhi University Botanical Society
- International Society for plant Morphologists

Committee:

Garden committee