

Sujata

Assistant Professor

Department of Botany

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Qualifications:

Examination	University/Institute	Year	Subject	Division
Ph.D.	C.C.S. University (Campus) Meerut	2013	Botany	---
M.Sc.	C.C.S. University (Campus) Meerut	2005	Botany	First
B.Sc.	C.C.S. University Meerut	2003	Zoology, Botany, Chemistry	First
(10+2) th	U.P. Board Allahabad	2000	Hindi, English, Zoology, Botany, Chemistry	First
10 th	U.P. Board Allahabad	1998	Hindi, English, Science, Social Science, Maths, Biology	First

Title of Ph.D. Work:

“Analyses of Cytogenetic Biodiversity and Reproductive Biology of Certain Millets and Their Wild Relatives”

Broad Area of Research: Cytogenetics and Embryology

Experimental Techniques/ Instruments Learned During Research:

Techniques Known

- Polymerase chain reaction (PCR),
- Centrifugation
- Spectroscopy
- Expertise in artificial hybridization in crop plants
- Embryo dissection by chemical and manual method along with expertise in slide making related to chromosomal study (meiosis, mitosis, somatic karyotype, pachytene analysis etc.).

Instruments on which I have hands on experience:

Instruments Handled:

- Phase-Contrast and Florescent Microscopy
- Paper & Thin Layer Chromatography
- Electrophoresis (SDS-PAGE, Native Agarose Gel Electrophoresis)
- Atomic Absorption spectrophotometer
- UV Spectrophotometer
- PCR
- Autoclave
- Centrifuge

Awards/Achievements/Fellowships:

- Qualified National Eligibility Test UGC-NET in December 2007.
- Qualified National Eligibility Test ARSB-NET in September 2014.
- Recipient of **University Research Scholarship** from C.C.S. University, Meerut during April 2008 to March 2009.

List of Publications:

Paper / Abstract Published:

1. ***“Comparative Analyses of Somatic and Pachytene Karyotypes in Some Minor Millets”***
Srivastava A.K., Madhu Rani and **Sujata**
Souvenir and Abstracts, 2010 Pp: 87.
2. ***“Millets: A bridge between mankind and starvation”***
Srivastava A.K., Madhu Rani and **Sujata**
Flower Retrospect and Prospect, 2009 Pp: 258-277.
3. ***“Pachytene analysis in different accessions of some genera of Minor Millets”***
Srivastava A.K., Madhu Rani and **Sujata**
Souvenir and Abstracts, 2009 Pp: 23-24.
4. ***“Somatic Karyotype Polymorphism in Some Minor Millets”***
Srivastava A. K., **Sujata** and Madhu Rani
Souvenir and Abstracts, 2009 Pp: 36.

Conferences / Workshops:

- 1. Workshop** on “*In vitro Pharming, Isolation and Characterization of Secondary Metabolites for Sustenance of Medicinal Plants*” held at **C.C.S. University Meerut, India** during **March 7-12, 2011**.
- 2. National Conference** on “*Traditional Conservation of Plant Biodiversity and Energy Resources Vis-À-Vis Biotechnological Tools for Sustainability (NCBEB)*” held at **C.C.S. University Meerut, India** during **December 25-26, 2010**.
- 3. Symposium** on “*New Innovations in Life Sciences-An Approach to Environmental and Biodiversity Conservation in Himalayas*” held at **C.C.S. University Meerut, India** during **February 17-19, 2010**.
- 4. National Seminar** on “*Challenges and Opportunities in Evolutionary & Reproductive Biology of Plants*” held at **C.C.S. University Meerut, India** during **December 10-11, 2009**.
- 5. 1st Indian Agricultural Scientists and Farmers Congress** on “*Technological Innovations for Enhancing Agriculture Production*” held at **C.C.S. University Meerut, India** during **October 3-4, 2009**.
- 6. Seminar-cum-Workshop** on “*Bioresource Conservation and Utilization*” held at **C.C.S. University Meerut, India** during **March 27-29, 2009**.
- 7. Indo-Chinese Bilateral Workshop** on “*Plant Genomics and Quantitative Genetics*” held at **Department of Genetics and Plant Breeding, C.C.S. University Meerut, India** during **February 14-16, 2009**.