




**DESHBANDHU COLLEGE**  
(UNIVERSITY OF DELHI)  
KALKAJI, NEW DELHI – 110019  
**Faculty Details Proforma for College Website**

Title	<b>DR</b>	First Name	<b>MADHU</b>	Last Name	<b>RANI</b>	Photograph
Designation	<b>Assistant Professor</b>					
Address	<b>4241/4C, Adarsh Apartments, Vasundhara, Ghaziabad, UP-201012</b>					
Phone No. Office						
Residence						
Mobile	<b>9412209655</b>					
Email	<b>madhupriya1999@gmail.com</b>					
Web-Page						
<b>Educational Qualifications</b>						
Degree	Institution				Year	
<b>Ph.D.</b>	<b>Department of Botany, C.C.S. University, Meerut</b>				<b>2011</b>	
<b>M.Phil.</b>	<b>Department of Botany, C.C.S. University, Meerut</b>				<b>2004</b>	
<b>PG</b>	<b>Meerut College, C.C.S. University, Meerut</b>				<b>2003</b>	
<b>UG</b>	<b>R.G. (PG) College, C.C.S. University, Meerut</b>				<b>1996</b>	
<b>Any other qualification</b>	<b>M.A. (English), B. Ed., NET-JRF, GATE</b>				<b>1999, 2000, 2004, 2003</b>	
<b>Career Profile</b>						
<p>1. 2<sup>nd</sup> Jan 2012 to present: Assistant Professor (Ad hoc), Deshbandhu College, Kalkaji, New Delhi.  2. December 2012: Assistant Professor (Guest), Maitreyi College, New Delhi  3. 29<sup>th</sup> Aug 2011 to April 2012: Assistant Professor (Guest), Sri Venkateshwara College, New Delhi  4. Aug 2009 to June 2011: Lecturer (Temporary), Botany Department, C.C.S. University, Meerut</p>						
<b>Administrative Assignments</b>						
<b>Areas of Interest/Specialization</b>						
<b>Plant Abiotic (Heavy Metal) Stress</b> <b>Cytogenetics</b> <b>Environmental Science</b> <b>Plant development &amp; anatomy</b>						
<b>Subjects Taught</b>						
Introduction to Biology	Plant Biotechnology	Environmental Science				
Anatomy of Angiosperms	Analytical Techniques in plant Sciences	Plant Anatomy and Embryology				
Economic Botany	Biostatistics	Genetics & Genomics				
Genetics	Biodiversity	Molecular Biology				
Plant Systematics	Environmental Biotechnology	Plant Physiology & metabolism				
Plant Metabolism	Economic Botany & Biotechnology					

## Research Guidance

1. *Supervision of awarded Doctoral Thesis*
2. *Supervision of Doctoral Thesis, under progress*
3. *Supervision of awarded M.Phil. dissertations*
4. *Supervision of M.Phil. dissertations, under progress*

## Publications Profile

1. **Books/Monographs (Authored/Edited)**- None

2. **Research papers**

a. **Research papers published in Refereed/Peer Reviewed Journals**

1. **Rani M.**, Sujata and A.K. Srivastava (2017). Pachytene Analyses in Some Genera of Minor Millets. *Cytologia* 82(5): 521–526. **ISSN: 0011-4545.**
2. Kumar Kuldeep, **Madhu Rani**, and A.K. Srivastava (2015). Study of genotype dependent response against treatment of As+Se in barley. *Internat. J. Plant Sci.*, 10 (1): 64-69. **ISSN: 0973-1547**
3. **Rani Madhu**, Aakanksha Vashisth and A.K. Srivastava (2012). Pachytene Analysis in Different Accessions of *Setaria italica* (L.) Beauv. *J.Indian Bot Soc.* **91(4)**: 398-403. **ISSN-0019-4468**

b. **Research papers published in Academic Journals other than Refereed/Peer Reviewed Journals**

c. **Research papers published in Refereed/Peer Reviewed Conferences**

d. **Research papers Published in Conferences/Seminar other than Refereed/Peer Reviewed Conferences**

3. **Other publications (Edited works, Book reviews, Festschrift volumes, etc.)**

1. Srivastava A.K., **Madhu Rani** and Sujata (2009). Millets: A bridge between mankind and starvation. In: *Flower Retrospect and Prospect*, (ed.) Y. Vimala. SR Scientific Publication, Delhi, India. Pp: 258-277.
2. Srivastava A.K. and **Madhu Rani** (2007). Somatic Karyotype Analysis in Some Accessions of Foxtail Millet. In: “*Genome Characterization: Basics & Applications*”, (ed.) V. Padmaja, Aavishkar Publishers, Jaipur, Rajasthan, India. Pp. 185-195. **ISBN: 978-8179101957**

## Conference Organization/ Presentations

1. *Organization of a Conference: None*
2. *Participation as Paper/Poster Presenter*

### Paper presentation

1. **XI<sup>th</sup> All India Conference on Cytology and Genetics** held during January 23-25, 2012 at Bangalore University, Bangalore, Karnataka.
2. **XXXIV All India Botanical Conference** held during October 10-12, 2011 at University of Lucknow, Lucknow.
3. **National Conference on “Traditional Conservation of Plant Biodiversity and Energy Resources Vis-À-Vis Biotechnological Tools for Sustainability (NCBEB)”** held during 25<sup>th</sup>-26<sup>th</sup> December, 2010 at CCS University, Meerut.
4. **National Seminar on “Challenges and Opportunities in Evolutionary & Reproductive Biology of Plants”** (Paper Presented), held during 10<sup>th</sup>-11<sup>th</sup> December, 2009 at Department of Botany, CCS University, Meerut.
5. **1<sup>st</sup> Indian Agricultural Scientists and Farmers Congress on “Technological Innovations for Enhancing Agriculture Production”** held during 3<sup>rd</sup>-4<sup>th</sup> October, 2009 at CCS University, Meerut.
6. **Cognizance ‘08: Ideaz-Cell 1** held during 28<sup>th</sup>-30<sup>th</sup> March 2008 at IIT Roorkee.
7. **Cognizance ‘08: Ideaz-Cell 3** held during 28<sup>th</sup>-30<sup>th</sup> March 2008 at IIT Roorkee.
8. **Cognizance ‘08: Chemdraw** (Poster Presentation) held during 28<sup>th</sup>-30<sup>th</sup> March 2008 at IIT Roorkee.
9. **National Colloquium** (Poster Presentation): “**Wildlife Conservation and Animal Welfare Issues in India**”, organized by Department of Zoology, Meerut College, Meerut (CCS University, Meerut) India on 22<sup>nd</sup> Oct. 2005.
10. **Tenth All India Conference on Cytology and Genetics**, held during 8th-10th December, 2005

at Andhra University, Vishakhapattanam.
<b>Research Projects (Major Grants/Research Collaboration)</b>
<b>Awards and Distinctions</b>
<ol style="list-style-type: none"> <li>1. <b>First Prize</b> for paper presentation at <b>National Seminar on “Challenges and Opportunities in Evolutionary &amp; Reproductive Biology of Plants”</b> held during 10<sup>th</sup>-11<sup>th</sup> December, 2009 at Department of Botany, CCSU, Meerut.</li> <li>2. <b>Second Prize</b> for paper presentation at <b>Cognizance ‘08: Ideaz-Cell 1</b>, held at IIT, Roorkee, during 28<sup>th</sup>-30<sup>th</sup> March 2008.</li> <li>3. <b>Third Prize</b> for paper presentation at <b>Cognizance ‘08: Ideaz-Cell 3</b>, held at IIT, Roorkee, during 28<sup>th</sup>-30<sup>th</sup> March 2008.</li> <li>4. <b>Merit Certificate</b> for paper presentation at <b>“Tenth All India Conference on Cytology and Genetics”</b>, Held at Andhra University, Vishakhapattanam, from 8<sup>th</sup>-10<sup>th</sup> Dec. 2005.</li> <li>5. <b>Merit Certificate</b> for <b>top rank</b> in M.Phil. at University level.</li> </ol>
<b>Association With Professional Bodies</b>
<ul style="list-style-type: none"> <li>• <i>Editing</i></li> <li>• <i>Reviewing</i></li> <li>• <i>Advisory</i></li> <li>• <i>Committees and Boards</i></li> <li>• <i>Memberships: Life member of “Indian Botanical Society”</i></li> <li>• <i>Office Bearer</i></li> </ul>
<b>Other Activities</b>
<p><b><u>Resource person in-</u></b></p> <ol style="list-style-type: none"> <li>1. <b>INSPIRE Internship Programme 2012-15, 2017</b> held at Deshbandhu College, University of Delhi, Kalkaji, New Delhi</li> <li>2. <b>National symposium on “Vector Biology and Vector Management”</b> held during 2013, 2015 and 2016 at Deshbandhu College, University of Delhi, Kalkaji, New Delhi.</li> <li>3. <b>Workshop on Applied Genomics and Proteomics</b> held during March 12-14, <b>2014</b> at Deshbandhu College, University of Delhi, Kalkaji, New Delhi.</li> <li>4. <b>National Conference</b> on “Traditional Conservation of Plant Biodiversity and Energy Resources Vis-À-Vis Biotechnological Tools for Sustainability (NCBEB)” held during 25<sup>th</sup>-26<sup>th</sup> December, <b>2010</b> at CCS University, Meerut.</li> </ol>

**MADHU RANI**

Signature of Faculty Member