


Name	Dr. Nirmal Mandal, Ph. D; F. S. Sc
Date of Birth	8 <sup>th</sup> November, 1964
Photo	
Designation	Professor & Head
Official Address/ Department	Department of Agricultural Biotechnology F/Agriculture, BCKV, Mohanpur-741252, Nadia, West Bengal
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Working in BCKV since	10 <sup>th</sup> January, 1996
Professional Training	<ul style="list-style-type: none"> <li>i) Training experience (25<sup>th</sup> Feb. to 12<sup>th</sup> March, '97) on "Recent Techniques on Molecular Biology and Biotechnology" conducted by the Centre of Biotechnology, I.A.R.I. , New Delhi and sponsored by Centre of Advance Studies , I.C.A.R.</li> <li>ii) Training experience ( 29<sup>th</sup> March to 18<sup>th</sup> April, 2000) on "PCR Amplification and Cloning of Gene" organized by Division of Biochemistry, I.A.R.I., New Delhi and sponsored by Centre of Advanced Studies, I.C.A.R.</li> <li>iii) Attended ICAR Sponsored Summer School (17<sup>th</sup> July to 6<sup>th</sup> Aug, 2002) on "Eco-friendly utilization of solid and liquid wastes of farm, urban and industrial wastes for agriculture" conducted by the Department of Environmental Science, Tamil Nadu Agricultural University, Coimbatore.</li> <li>iv) Attended a training entitled "Application Training on Applied Biosystems Real Time PCR System" to be held on 12-14 September 2007 at LABINDIA Technical Training Centre, Gurgaon, Haryana.</li> <li>v) Attended winter school on "Research and development needs in transgenic farming era" sponsored by ICAR, New Delhi and organized by UAS, Dharwad. Karnataka, from December 11-31, 2008.</li> </ul>
Recognition/Awards	Fellow of the Society for Sciences (F.S.Sc)
Research Interests and Area of Specialization	Use of molecular marker technology in understanding plant genetics and diversity; Plant tissue culture
Best 10 Publications with NAAS Impact Score > 5	<ol style="list-style-type: none"> <li>1. Mandal N and Gupta S (1997) Anther culture of an interspecific rice hybrid and selection of fine grain type with submergence tolerance. <b>Plant Cell Tissue and Organ Cult.</b> <b>51</b>: 79-82.</li> <li>2. Chattopadhyay K, Ali N, Sarkar HK, Mandal N and Bhattacharyya S (2005) Diversity analysis by RAPD and ISSR markers among the selected mungbean [<i>Vigna radiata</i> (L.) wilczek] genotypes. <b>Indian J Genet.</b> <b>65</b>: 173-175.</li> <li>3. Guharoy S, Bhattacharyya S, Mukherjee SK, Mandal N and Khatua DC (2006) <i>Phytophthora melonis</i> associated fruit and vine rot disease of pointed gourd in India as revealed by RFLP and sequencing of ITS region. <b>J. Phytopathology</b> <b>154</b>: 612-615.</li> <li>4. Chattopadhyay K, Bhattacharyya S, Mandal N and Sarkar HK (2008) PCR based characterization of mungbean genotypes from Indian subcontinent at intra- and inter specific level. <b>J. Plant Biochemistry &amp; Biotechnology.</b> <b>17</b>: 141-148.</li> <li>5. Gantait S, Mandal N, Bhattacharyya S, Das PK (2010) An elite protocol for accelerated quality-cloning in <i>Gerbera jamesonii</i> Bolus cv. Sciella. <b>In Vitro Cellular and Developmental Biology- Plant</b> <b>46</b>: 537-548.</li> <li>6. Sarkar S, Ghosh S, Chatterjee M, Das P, Lahari T, Maji A, Mandal N,</li> </ol>

	<p>Pradhan KK, Bhattacharyya S (2011) Molecular Markers Linked with Bruchid Resistance in an Indian Sublobata (<i>Vigna radiata</i> var. Sublobata) and its validation. <b>J. Plant Biochem. Biotechnol.</b> 20:155-160.</p> <p>7. Sarkar S, Yelne R, Chatterjee M, Das P, Debnath S, Chakraborty A, Mandal N, Bhattacharya K, Bhattacharyya S (2011) Screening of phosphorus (P) tolerance and validation of <i>Pup 1</i> linked markers in <i>indica</i> rice. <b>Indian J. Genet.</b> 71(3): 209-213.</p> <p>8. Gantait S, Mandal N, Bhattacharyya S, Das PK (2011) Induction and identification of tetraploids using <i>in vitro</i> colchicine treatment of <i>Gerbera jamesonii</i> Bolus cv. Sciella. <b>Plant Cell Tissue and Organ Culture</b> 106: 485-493.</p> <p>9. Gantait S, Sinniah UR, Mandal N and Das PK (2012) Direct induction of protocorm-like bodies from shoot tips, plantlet formation, and clonal fidelity analysis in <i>Anthurium andreaeanum</i> cv. CanCan. <b>Plant Growth Regulation</b>, 67: 257-270.</p> <p>10. Talem RS, Wani SH, Sing NB, Nandini R, Sadhukhan R, Bhattacharyya S and Mandal N (2013) Cisgenics-A sustainable approach for crop improvement. <b>Current Genomics</b>, 14: 468-476.</p>
Book or Chapter in Book	Sustainable management of rice blast [ <i>Magnaporthe grisea</i> (Hebert) Barr]: 50 years of research progress in molecular biology. In: Arya A and Perello AE (eds.) Mmanagement of fungal plant pathogens: Current trends and progress. CAB International, Nosworthy Way, Wallingford, Oxford, Oxford shire, UK, <b>Chapter 8</b> , pp 92-106, 2010.
Courses Teaching	<p><b>UG Level:</b> Principles of Plant Biotechnology, Plant Cell Culture &amp; Genetic Engineering</p> <p><b>PG level:</b> Principles of Biotechnology, Plant Tissue Culture &amp; Genetic Transformation, Biotechnology Lab-I &amp; II, Biosafety, IPR &amp; Bioethics</p>
Research Project/ Support	DBT sponsored project entitled "In-depth investigation on biotic/abiotic elicitors mediated induced systemic resistance in rice- <i>Rhizoctonia</i> system under different agro-ecological region of West Bengal". San. No. 102/IFD/SAN/PR-317/2009-2010 dated 2.06.2009.
Number of Seminar/ Symposium Attended	National- 19 International- 8
Laboratory Strength	Basic facilities of Plant tissue culture and Molecular marker technology
Ph. D Guidance	Ph.D.: Awarded- 13, Submitted- 2 and Presently working- 3
Gene Bank Submission	Received Accession No. for six genes from DDBJ
External Examiner/ Question Setter/Moderator	Twelve different universities of which two are in abroad
Reviewer of Scientific Journal	Regular reviewer of eight journals of international repute
Memberships in Scientific Society	Life member of five scientific societies in India
Administrative Responsibility	<p><b>Head</b> of the Department since 2002;</p> <p><b>Coordinator</b>, DBT Sponsored M. Sc. in Agricultural Biotechnology Teaching Programme</p>