


Name	Dr. Nirmal Mandal, Ph. D; F. S. Sc
Date of Birth	8 th November, 1964
Photo	
Designation	Professor & Head
Official Address/ Department	Department of Agricultural Biotechnology F/Agriculture, BCKV, Mohanpur-741252, Nadia, West Bengal
Residential Address	B-16/68, P.O. Kalyani, Dist. Nadia, West Bengal
Phone	09432280086
E-Mail	nirman_bckv05@yahoo.com
Working in BCKV since	10 th January, 1996
Professional Training	<ul style="list-style-type: none"> i) Training experience (25th Feb. to 12th 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. ii) Training experience (29th March to 18th 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. iii) Attended ICAR Sponsored Summer School (17th July to 6th 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. 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. 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.
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"> 1. Mandal N and Gupta S (1997) Anther culture of an interspecific rice hybrid and selection of fine grain type with submergence tolerance. Plant Cell Tissue and Organ Cult. 51: 79-82. 2. 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. J. Phytopathology 154: 612-615. 3. Gantait S, Mandal N, Bhattacharyya S, Das PK (2010) An elite protocol for accelerated quality-cloning in <i>Gerbera jamesonii</i> Bolus cv. Sciella. In Vitro Cellular and Developmental Biology- Plant 46: 537-548. 4. Sarkar S, Ghosh S, Chatterjee M, Das P, Lahari T, Maji A, Mandal N, Pradhan KK, Bhattacharyya S (2011) Molecular Markers Linked with Bruchid Resistance in an Indian Sublobata (<i>Vigna radiata</i> var. Sublobata) and its validation. J. Plant Biochem. Biotechnol. 20:155-160. 5. 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. Indian J. Genet. 71(3): 209-213.

	<p>6. 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 andreanum</i> cv. CanCan. Plant Growth Regulation, 67: 257-270.</p> <p>7. Talem RS, Wani SH, Sing NB, Nandini R, Sadhukhan R, Bhattacharyya S and Mandal N (2013) Cisgenics-A sustainable approach for crop improvement. Current Genomics, 14: 468-476.</p> <p>8. Singh BK, Singh AK, Meetei NT, Mukherjee A and Mandal N (2016) QTL mapping for cold tolerance at the seedling stage in rice. International Journal of Bio-resource and Stress Management 7 (5): 1214-1224.</p> <p>9. Kundu S, Salma U, Ali Md. N and Mandal N (2017) Factors influencing large-scale micropropagation of <i>Sphagneticola calendulacea</i> (L.) Pruski and clonality assessment using RAPD and ISSR markers. In vitro Cell Dev. Biol.-Plant. 53: 167-177.</p> <p>10. Salma U, Kundu S, Hazra AK, Ali Md. N and Mandal N (2018) Augmentation of wedelolactone through <i>in vitro</i> tetraploid induction in <i>Eclipta alba</i> (L.) Hassk. Plant Cell Tiss Organ Cult. Online, DOI 10.1007/s11240-018-1318-1</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.) Management of fungal plant pathogens: Current trends and progress. CAB International, Nosworthy Way, Wallingford, Oxford, Oxfordshire, UK, Chapter 8 , pp 92-106, 2010.
Courses Teaching	UG Level: Principles and Practices of Agricultural Biotechnology, Plant Tissue Culture & Recombinant DNA Technology PG level: Principles of Biotechnology, Plant Tissue Culture & Genetic Transformation, Biosafety, IPR & Bioethics, Advances in Crop Biotechnology
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- 18, Submitted- 2 and Presently working- 5
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	Head of the Department since 2002 Former Coordinator , DBT Sponsored M. Sc. in Agricultural Biotechnology Teaching Programme