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Date of Birth	July 14, 1978
Designation	Assistant Professor (Genetics and Plant Breeding)
Official address/Department	AINP on Jute and Allied Fibres, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar-736165
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Working in UBKV since	September 22, 2014
Professional Training	Agricultural Experimental Data Analysis using SAS in 2013, Technological Advances in Production of Jute and Allied Fibre crops in 2015
National/International recognition/awards	Reviewer of reputed journals of Elsevier and Springer
Patents	NIL
Fellow of the Society	Life member of Indian Society of Genetics and Plant Breeding and Cooch Behar Association for Cultivation of Agricultural Sciences
Research Interests and area of specialization	Research Interest: Gene mapping and molecular markers tagged to genes/QTLs-map based cloning of plant genes. Analysis of gene analogues and expression synteny and their use in MAS with enhanced quality and trait expression Area of Specialization: Plant Molecular Breeding and Biotechnology
Best 10 Publications with NAAS impact (NI)* score > 5 (w.e.f 1st January 2016)	<p>Details of author's (Kundu A/Kundu Avijit) <i>h</i> index & citations available in http://www.scopus.com/search/form/authorFreeLookup.url (Scopus ID: 38561727800, Elsevier), http://www.researcherid.com/rid/K-8480-2012 (Researcher ID: K-8480-2012, Thomson Reuters), ORCID ID: 0000-0003-2199-8466, Researchgate and Google Scholar</p> <ol style="list-style-type: none"> Kundu A, Chakraborty A, Mandal NA, Das D, Karmakar PG, Singh NK, Sarkar D (2015) A restriction-site-associated DNA (RAD) linkage map, comparative genomics and identification of QTL for histological fibre content coincident with those for retted bast fibre yield and its major components in jute (<i>Corchorus olitorius</i> L., Malvaceae s. l.). In Molecular Breeding 35(19). DOI: 10.1007/s11032-015-0249-x NI: 8.25 Saha P, Sarkar D, Kundu A, Majumder S, Datta SK, Datta K (2014) Karyotype analysis and chromosomal evolution in Asian species of <i>Corchorus</i> (Malvaceae s.l.), 1173-1188. In Genetic Resources and Crop Evolution, 61. DOI: 10.1007/s10722-014-0099-0 NI: 7.46 Kundu A, Topdar N, Sarkar D, Sinha MK, Ghosh A, Banerjee S, Das M, Balyan HS, Mahapatra BS, Gupta PK (2013) Origins of

	<p>white (<i>C. capsularis</i> L.) and dark (<i>C. olitorius</i> L.) jute: a reevaluation based on nuclear and chloroplast microsatellites, 372-381. In Journal of Plant Biochemistry and Biotechnology, 22 (4). DOI: 10.1007/s13562-012-0165-7 NI: 7.09</p> <p>4. Topdar N, Kundu A, Sinha MK, Sarkar D, Das M, Banerjee S, Kar CS, Satya P, Balyan HS, Mahapatra BS, Gupta PK (2013) A complete genetic linkage map and QTL analyses for bast fibre quality traits, yield and yield components in jute (<i>Corchorus olitorius</i> L.), 129-137. In Cytology and Genetics 47 (3). DOI: 10.3103/S0095452713030092 NI: 6.38</p> <p>5. Kundu A, Sarkar D, Mandal NA, Sinha MK, Mahapatra BS (2012) A secondary phloic (bast) fibre-shy (<i>bfs</i>) mutant of dark jute (<i>Corchorus olitorius</i> L.) develops lignified fibre cells but is defective in cambial activity, 45-55. In Plant Growth Regulation 67 (1). DOI: 10.1007/s10725-012-9660-z NI: 7.67</p> <p>6. Sarkar D, Kundu A, Saha A, Mondal NA, Sinha MK, Mahapatra BS (2011) First nuclear DNA amounts in diploid ($2n = 2x = 14$) <i>Corchorus</i> spp. by flow cytometry: genome sizes in the cultivated jute species (<i>C. capsularis</i> L. and <i>C. olitorius</i> L.) are ~300% smaller than the reported estimate of 1100-1350Mb, 147-153. In Caryologia 64(2). DOI:10.1080/00087114.2002.10589776 NI: 6.74</p> <p>7. Das M, Banerjee S, Topdar N, Kundu A, Mir RR, Sarkar D, Sinha MK, Balyan HS, Gupta PK (2011) QTL identification for molecular breeding of fibre yield and fibre quality traits in jute, 175-189. In Euphytica 187. DOI: 10.1007/s10681-011-0603-y NI: 7.39</p> <p>8. Das M, Banerjee S, Topdar N, Kundu A, Sarkar D, Sinha MK, Balyan HS, Gupta PK (2011) Development of large-scale AFLP markers in jute, 270-275. In Journal of Plant Biochemistry and Biotechnology 20 (2). DOI: 10.1007/s13562-011-0058-1 NI: 7.09</p> <p>9. Kundu A, Sarkar D, Bhattacharjee A, Topdar N, Sinha MK, Mahapatra BS (2011) A simple ethanol wash of the tissue homogenates recovers high-quality genomic DNA from <i>Corchorus</i> species characterized by highly acidic and proteinaceous mucilages. In Electronic Journal of Biotechnology 14 (1). DOI: 10.2225/vol14-issue1-fulltext-4 NI: 6.68</p> <p>10. Sarkar D, Sinha MK, Kundu A, Kar CS, Saha A, Kharbikar LL, Mahapatra BS (2010) Why is ramie the strongest yet stiffest of bast fibres?, 1570-1572. In Current Science 98 (12). NI: 6.93</p>
Books or Chapter in Books	<p>1. Sinha MK, Kar CS, Ramasubramanian T, Kundu A, and Mahapatra BS (2011) Wild Relatives of Industrial Crops (Volume 8): Fibre Crops (<i>Corchorus</i>), 29-62. In: C. Kole (ed.), <i>Wild Crop Relatives: Genomic and Breeding resources, Industrial Crops</i> DOI: 10.1007/978-3-642-21102-7, © Springer-Verlag Berlin Heidelberg 2011.</p>
Variety Release/germplasm submitted to NBPGR etc.	<p>Variety: RRPS-27-C-3 (MONALISA): a white jute variety (<i>Corchorus capsularis</i> IC 570253 L.).</p> <p>Germplasm registration to NBPGR: Bast fibre shy (<i>bfs</i>) mutant (IC0593936; INGR12008), a jute (<i>Corchorus olitorius</i>) mutant</p>
Courses teaching till date	<p>Under-Graduate</p> <p>GPB 401: Molecular Breeding GPB 403: Recombinant DNA Technology GPB 404: Bioinformatics</p> <p>Post-Graduate</p> <p>GP 504: Principles of Quantitative Genetics</p>

	<p>GP 508: Cell Biology and Molecular Genetics GP 509: Biotechnology for Crop Improvement GP 603: Genomics in Crop Improvement GP 608: Advances in Breeding of Major Field Crops</p>
Research Projects/ supports	<p>AINP on Jute and Allied Fibres (ICAR-CRIJAF)</p> <p>1. A total of 19 mandatory trails of AINPJAF on Crop Improvement</p> <p>Multi-disciplinary and multi-location Institutional Project</p> <p>1. Plant genetics resource management of <i>D. lablab</i> in North Bengal: A study of germplasm exploration, collection, characterization and conservation (Principal Investigator; Year of commencement: 2016)</p> <p>2. Exploration of the soil microbial diversity of different agro-ecological zones on North Bengal for agricultural use (Co-principal Investigator, Year of commencement: 2016)</p> <p>3. Development of DUS standards using morpho-metrics and molecular markers in local cultivars of potato collected from different districts of West Bengal (Co-principal Investigator, Year of commencement: 2016)</p>
Number of Seminar/ symposium attended	Six (6)
Laboratory strength, you work in	<p>gDNA, mtDNA, RNA isolation, PCR, RTPCR, and other routine molecular biology work; Both wet and dry (bioinformatics) laboratory work of high throughput genotyping i.e. genotyping by sequencing (GBS: SNPs, RADs), Flowcytometry, Anatomical, Cytological (Basic) and Biochemical estimation of different parameters; Basic plant tissue culture</p> <p>Software efficacy: GenStat (Version 11.1), MSTAT-C, INDO-STAT, NTSYS 2.20, GiaRoot, JoinMap 4, MapQTL 6 etc.</p>
Number of scholars, you are supervising (MSc & PhD)	None
Additional duties in administration	As assigned by the competent authority and or controlling officer time-to-time