

# RESUME

**NAME: Dr. Prabir Kumar Bhattacharyya**

**DESIGNATION: Professor (Genetics and Plant Breeding)**

**CONTACTS:**

**1. OFFICIAL ADDRESS FOR CORRESPONDENCE:**

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Alternative: bhattacharyya.pk@gmail.com

**4.ORCID ID: 0000-0001-7710-6215**

**5.GOOGLE SCHOLAR PROFILE:**Prabir Kumar Bhattacharya

**6.RESEARCHGATE PROFILE:** Prabir-Bhattacharyya-2

**7.DATE OF BIRTH: 11/08/1967**

**8.DATE OF JOINING TO THE UNIVERSITY: 16/12/2014**

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**9. ACADEMIC PROFILE:**

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	Ph.D. in Plant Breeding	G B P U A & T, Pantnagar, U P	1994
MASTER'S	M.Sc.(Ag) in Plant Breeding	G B P U A & T, Pantnagar, U P	1990
BACHELOR'S	B.Sc.(Ag) Honours	VISVA,BHARTI, Shantiniketan, West Bengal	1984

**10. EMPLOYMENT HISTORY:(Starting from present position)**

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
Professor (Genetics & Plant Breeding)	Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia	16/12/2017	Continuing
Associate Professor (Genetics & Plant Breeding)	Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia	16/12/2014	16/12/2017
Assistant Botanist [WBAS(Research)]	Department of Agriculture, Government of West Bengal	20/11/1997	15/12/2014
Agricultural Development Officer[WBAS(Admn)]	Department of Agriculture, Government of West Bengal	05/10/1993	19/11/1997

**11. ADMINISTRATIVE POST(S)/ RESPONSIBILITY(IES) (IF ANY)**

SL. NO.	NAME OF THE POST(S)/ RESPONSIBILITY(IES)	PERIOD	
		From (Date)	To (Date)
<b>1</b>	Officiated as Special Officer (Development) as additional responsibility.	01/4/2015	23/11/2015
<b>2</b>	Officiated as Special Officer (Development) as additional responsibility.	04/02/2025	continuing
<b>3</b>	Acted as Liaison Officer to work with the Department of Agriculture, Govt. of West Bengal.....continuing.	29/09/2023	continuing

**12. AREA OF RESEARCH : (Bulleted list)**

- Oilseeds particularly Rapeseed & Mustard Breeding
- Pulses: Mungbean and Urdbean Breeding
- Rice breeding
- Maintenance breeding and Breeder Seed Production

**13. COURSES ASSOCIATED WITH:**

LEVEL	COURSE NO.	COURSE TITLE	CREDIT
<b>UNDERGRADUATE</b>	<b>GPB-202</b>	<b>Fundamentals of Plant Breeding</b>	<b>2+1</b>
	<b>GPB(H)-156</b>	<b>Principles of Plant Breeding</b>	<b>1+1</b>
	<b>GPB-254</b>	<b>Crop Improvement I (Rabi Crops)</b>	<b>1+1</b>
	<b>GPB-303</b>	<b>Crop Improvement II (Kharif Crops)</b>	<b>1+1</b>
	<b>GPB-353</b>	<b>Intellectual Property Rights</b>	<b>1+0</b>
<b>POST GRADUATE</b>	<b>GPB-501</b>	<b>Principles of Genetics</b>	<b>2+1</b>
	<b>GPB-502</b>	<b>Principles of Plant Breeding</b>	<b>2+1</b>
	<b>GPB-509</b>	<b>Hybrid Breeding</b>	<b>2+1</b>
	<b>GPB-516</b>	<b>Breeding For Stress Resistance and Climate Change</b>	<b>2+1</b>
	<b>CC-501</b>	<b>Intellectual Property and its Management in Agriculture</b>	<b>1+0</b>
	<b>GPB-511</b>	<b>Crop Breeding -I (Kharif Crops)</b>	<b>2+1</b>
	<b>GPB-512</b>	<b>Crop Breeding I (Rabi Crops)</b>	<b>2+1</b>
<b>Ph.D.</b>	<b>GPB-609</b>	<b>IPR and Regulatory Mechanism</b>	<b>1+0</b>

**14. NUMBER OF STUDENTS SUPERVISED:**

**Master's (M. Sc (Ag) :** Awarded=10 and Ongoing= 02

**Doctoral (Ph D):** Awarded: 6 and Ongoing: 2

**15. PROJECT ACTIVITIES**

<b>SL. NO.</b>	<b>TITLE OF THE PROJECT</b>	<b>FUNDING AGENCY</b>	<b>ONGOING/ COMPLETED</b>	<b>PI/ Co-PI</b>
1	Popularization of Diversified crops in Red & lateritic Zones of West Bengal” (Code: 12075) , BCKV, Mohanpur, Nadia	RKVY Cell, Govt of West Bengal (83.08 lakh	Completed 2016-17 to 2021-22	<b>PI</b>
2	Evaluation of the BARC released Blackgram varieties for Crop Intensification in West Bengal	DAE, BRNS, BARC, Mumbai (5.72 lakh)	Completed 2017-18 to 2019-20	<b>PI</b>
3	Study on rice yield under Low light intensity using genomic approach	FAO-IAEA (14.00 lakh)	Continuing 2023-2024	<b>Co-PI</b>
4	BRNS Research project on “ Development of abiotic stress tolerant rice, suitable for WB agroclimate with emphasis to drought and P-deficiency.	DAE, BRNS, BARC, Anusaktinagar, Mumbai (86.00 lakh)	Completed 2014-15 to 2018-19.	<b>Co-PI</b>
5	Identification and genetic analysis of lentil mutants for Stemphylium blight resistance and adaptive plasticity	ICAR- Incentivizing Scheme (38.50 lakh)	Continuing 2023-2024	<b>Co-PI</b>
6	Development and validation of molecular marker for novel allele enhancing yield and low accumulation of arsenic in Rice.	Under Niche Area Excellency of Education Directorate, ICAR New Delhi (107.30 lakh )	Completed 17-01-2017 to 31-12-2020	<b>Co-PI</b>
7	Establishment of three different production units for high quality fruit plants, enriched compost and integrated fish farming in the district of Nadia of West Bengal	NABARD, Kolkata (148.01 lakh)	2015-16 to 2017-18	<b>Co-PI</b>
8	Development of farm and tissue culture units for production and promotion of the medicinal plant Stevia as a promising cash crop.	NABARD, Kolkata (263.48 lakh)	2015-16 to 2018-19	<b>Co-PI</b>

9	Enhancing Lentil, lathyrus and Chickpea productivity through improved technology under Rice fallow areas of West Bengal.	ICARDA (28.94198 lakh)	01-11-2016 to 31-10-2020.	<b>Co-PI</b>
10	Mechanisation of different farms under BCKV for augmentation of quality seed production and supply the seed to the farmers for improving their livelihood.	RKVY Cell, Govt of West Bengal (Rs. 196.42447 lakh)	2019-20	<b>Co-PI</b>
11	Up gradation of Infrastructure facilities for quality seed production in different farms under BCKV to meet the need of farmers and good research work.	RKVY Cell, Govt of West Bengal (Rs. 684.62128 lakh)	2020-21 to 2021-22	<b>Co-PI</b>
12	All India Research Project on National Seed Production (Crops), BCKV Centre, Mohanpur, Nadia, West Bengal (As Officer-in Charge)	ICAR- IISS, Mau, Uttar Pradesh.	2015 to 2022 & continuing as Breeder in AICRP on Seeds	<b>Officer-in Charge</b>
13	All India Research Project on MULLaRP, BCKV Centre, Mohanpur, Nadia, West Bengal (As Officer-in Charge)	ICAR-IIPR, Kanpur, UP	Completed 2017 to 2022	<b>Officer-in Charge</b>
14	Creation of Seed Hub for increasing indigenous production of Pulses in India	ICAR-IIPR, Kanpur (100.00 lakh)	2017 to 2022	<b>Officer-in Charge</b>
15	Studies on the bio-efficacy of AgroSatva Gr. Bio stimulant in Mungbean crop in terms of different growth and yield parameters and its optimum dosages	Gencrest Bio Products Private Limited, Level 7, Gala Impecca, Near Courtyard Marriott, Andheri Kurla Road, Andheri East, Mumbai- 400 059, Maharashtra, India.	2023-24	<b>PI</b>

**16. CAPACITY BUILDING/FACULTY DEVELOPMENT PROGRAMME ORGANIZED**

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1	Organized one Workshop-Cum-Training programme to BTM & ATM of North 24 Paraganas District on “Role of Integrated Farming in Rural Economy” under HRD programme under AICRP-NSP (Crops), BCKV Centre, Mohanpur, Nadia.	1 (One) day	FACC, BCKV, Kalyani, Nadia	Organizer

**17. SEMINAR/ SYMPOSIUM/ WORKSHOP etc ORGANIZED :**

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1	Hands on training program on ‘Recent Advances on Mutation Breeding for Crop Improvement’ funded by BCKV in collaboration with BARC	Eleven days (20/01/2020 to 30/01/2020)	FACC, BCKV, Kalyani, Nadia	Member of the Organising Committee
2	National Level Workshop on “Jute Production, Marketing and Utilization Strategies” organised by Directorate of Jute Development and BCKV.	One day (25/02/2021)	FACC, BCKV, Kalyani, Nadia	Member of the Organising Committee
3	7 <sup>th</sup> Regional Science & Technology Congress (Region-5) jointly organized by BCKV & WBDSTBT	Two days (14/01/2025 & 15/01/2025)	BCKV, Mohanpur, Nadia	Member of the Organising Committee & Convenor of Stage and Hall Management Committee

**18. PATENTS/ HONOURS/ AWARDS/ RECOGNITION (Bulleted list):**

- Member, Research Advisory Committee (RAC), Central Sericulture Research and Training Institute, Berhampore, Murshidabad, West Bengal
- Member of the Board of Studies (BOS) in the Genetics and Plant Breeding Department, Ramkrishna Mission Vivekananda Educational & Research Institute (RKMVERI), Narendrapur, South 24-Paraganas, West Bengal.

**19. INTERNATIONAL COLLABORATIONS/ INVOLVEMENT, IF ANY (Bulleted list):**

- NIL

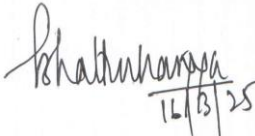
**20. PUBLICATIONS**

**A. BOOKS : Nil**

**B. RESEARCH PAPERS (Best 10)**

1	Shoumik Saha, Nilanjan Sinha Mahapatra, Kriti Bhattacharya, Rimpa Kundu, K. Nimitha, Shamba Ganguly, Sebantee Ganguly, Tirthankar Biswas, Prabir K Bhattacharyya and Somnath Bhattacharyya. <u>The Ratio of A400/A1800 Mapping Identifies Chromosomal Regions Containing Known Photoprotection Recovery-Related Genes in Rice.</u> 2024. Rice (2024) 17:62. <a href="https://doi.org/10.1186/s12284-024-00739-3">https://doi.org/10.1186/s12284-024-00739-3</a> (NAAS: 10.80)
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2	Bipasha Adhikaria, Anirban Roy, Hemakumar Reddy, Debarati Roy, Camellia Dasa, Dhriti Ghosha, Souvik Dasa, Suwendu Mondal, Rajib Nath, Prabir K. Bhattacharyya, Sanjay K. Jambulkar and Somnath Bhattacharyya. <u>Identification and analysis of gamma-irradiation-induced Stemphylium blight tolerant lentil (<i>Lens culinaris</i>) mutant</u> . 2024. <i>International Journal of Radiation Biology</i> <a href="https://doi.org/10.1080/09553002.2024.2409667">https://doi.org/10.1080/09553002.2024.2409667</a> . (NAAS: 8.81)
3	Shamba Ganguly, K. Nimitha, Shoumik Saha, Nilanjan Sinha Mahapatra, Kriti Bhattacharya, Rimpa Kundu, Sebantee Ganguly, Poulomi Sen, Arup Kumar Saha, Shampa Purkayastha, <b>Prabir Kumar Bhattacharyya</b> , Tirthankar Biswas & Somnath Bhattacharyya. <u>Identification and analysis of low light responsive yield enhancing QTLs in rice</u> . 2024. <i>Scientific Reports</i> . 14:21011   <a href="https://doi.org/10.1038/s41598-024-71593-y">https://doi.org/10.1038/s41598-024-71593-y</a> (NAAS: 9.80)
4	Samba Ganguly, Anirban Roy, Sumit K. Murmu, Diana Sagolsem, Moutushi Sarkar, Shubhrajyoti Sen, Dibakar Das, Camellia Das, Prabir Chakraborty, <b>Prabir K. Bhattacharyya</b> , Rajib Nath, Kuldeep Tripathi, Ashutosh Sarker, Somnath Bhattacharyya. <u>Variation in P-acquisition ability and acid phosphatase activity at the early vegetative stage of lentil and their validation on P-deficiency field</u> . <i>Acta Physiologiae Plantarum</i> (2021) 43:109 <a href="https://doi.org/10.1007/s11738-021-03280-8">https://doi.org/10.1007/s11738-021-03280-8</a> (NAAS: 7.76)
5	Anirban Roy, M. Hemakumar Reddy, Moutushi Sarkar, Diana Sagolsem, Sumit K. Murmu, Camellia Das, Debarati Roy, Shamba Ganguly, Rajib Nath, Prabir K. Bhattacharyya, Ashutosh Sarker, Somnath Bhattacharyya. <u>A mis-splicing early flowering 3 (<i>elf3</i>) allele of lentil is associated with yield enhancement under terminal heat stress</u> . 2023 <i>Journal of Applied Genetics</i> . <a href="https://doi.org/10.1007/s13353-023-00753-z">https://doi.org/10.1007/s13353-023-00753-z</a> (NAAS: 8.00)
6	Shoumik Saha, Shampa Purkayastha, Nimitha K., Sebantee Ganguly, Subhadeep Das, Samba Ganguly, Nilanjan Sinha Mahapatra, Kriti Bhattacharya, Dibakar Das, Arup K Saha, Tirthankar Biswas, <b>Prabir K. Bhattacharyya</b> and Somnath Bhattacharyya. <u>Rice (<i>Oryza sativa</i>) alleviates photosynthesis and yield loss by limiting specific leaf weight under low light intensity</u> . <i>Functional Plant Biology</i> . <a href="https://doi.org/10.1071/FP22241">https://doi.org/10.1071/FP22241</a> (NAAS: 8.60)
7	<b>P K Bhattacharyya</b> , H H Ram and P C Kole. <u>Inheritance of resistance to yellow mosaic virus in inter-specific crosses of soybean</u> . <i>Euphytica</i> , 108:157-159, 1999. Netherland.
8	<b>P K Bhattacharyya</b> and H H Ram <u>Inheritance and Biochemical basis of resistance to <i>Spilosoma obliqua</i> Walker in inter specific crosses of soybean</u> . 1995. <i>Plant Breeding</i> , 114:466-468. Germany.
9	Anirban Roy, Camellia Das, Moutushi Sarkar, Sourav Mondal, Shamba Ganguly, Sumit Kumar Murmu, Birendra Nath, Panja, Rajib Nath, Kuldeep Tripathi, <b>Prabir Kumar Bhattacharyya</b> and Somnath Bhattacharyya. <u>Screening lentil (<i>Lens culinaris</i> Medik) Genotypes for Resistance against Pre-Flowering Blight and Identification of Pathogen by ITS Sequencing</u> . 2021. <i>Legume Research- An International Journal</i> , Volume 44 Issue 12: 1493-1496. (NAAS: 6.80)
10	Poulomi Sen, Shampa Purkayastha, Dibakar Das, Jayita Goswami, Shubhrajyoti Sen, Pooja Rai, Tirthankar Biswas, <b>Prabir K. Bhattacharyya</b> and Somnath Bhattacharyya. <u>Yield-enhancing SPIKE allele from the aus-subtype indica rice and its allele specific codominant marker</u> . 2021. <i>Journal of Genetics</i> : 100:36 Indian Academy of Sciences <a href="https://doi.org/10.1007/s12041-021-01293-3">https://doi.org/10.1007/s12041-021-01293-3</a> . (NAAS: 7.40)

  
16/03/25

Signature with Date