

# RESUME

**NAME: Dr Prabir Kumar Bhattacharyya**

**DESIGNATION:** Associate Professor (Genetics & Plant Breeding)

**CONTACTS:**

**1. OFFICIAL ADDRESS FOR CORRESPONDENCE:**

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**4.ORCID ID: -**

**5.GOOGLE SCHOLAR PROFILE: -**

**6.RESEARCHGATE PROFILE: Yes**

**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 (10+2+4)	VISVA,BHARTI, West Bengal	1988

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

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
Associate Professor (Genetics & Plant Breeding)	Bidhan Chandra Krishi Viswavidyalaya, Mohanpur-741252, Nadia, West Bengal	December, 2014	Continuing
Assistant Botanist under WBAS (Research)	Department of Agriculture, Government of West Bengal.	November, 1997	December, 2014
Agricultural Development Officer under WBAS (Administration)	Department of Agriculture, Government of West Bengal.	October, 1993	November, 1997

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

SL. NO.	NAME OF THE POST(S)/ RESPONSIBILITY(IES)	PERIOD	
		From (Date)	To (Date)
1	Officiated as Special Officer (Development) at Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia	From April, 2015	November, 2015
2	Liaison Officer	From 2015	Continuing.

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

- Actively engage in Research on Rice Breeding.
- Actively engage in Research on Pulse & Oilseed Breeding.

**13. COURSES ASSOCIATED WITH:**

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

**14. NUMBER OF STUDENTS SUPERVISED:**

**Master's:** 10 (Ten) **Doctoral:** 6 (Completed), 2 (Ongoing)

**15. RESOURCE PERSON FOR OTHER INSTITUTES (involvement in teaching or working as member of academic/ research bodies of other organizations, if any)**

- Member of the Research Advisory Committee(RAC) at Central Sericultural Research & Training Institute (CSRTI), Central Silk Board, Ministry of Textile, Government of India, Berhampore-742101, Murshidabad, West Bengal.

**16. LIFE MEMBERSHIP OF ACADEMIC SOCIETIES**

- Crop & Weed Science Society, BCKV, Mohanpur, Nadia, WB
- Life member of Association of Plant Breeder of India (APBI).

**17. 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>
<b>1</b>	All India Research Project on National Seed Production (Crops), BCKV Centre, Mohanpur, Nadia, West Bengal (As Officer-in Charge)	ICAR- IISS, Mau, Uttar Pradesh.	Completed (2015 to 2021)	<b>Officer-in-Charge</b>
<b>2</b>	Popularization of Diversified crops in Red & lateritic Zones of West Bengal” (Code: 12075) , BCKV, Mohanpur, Nadia (As PI)	RKVY Cell, Government of West Bengal	Completed (2016-17 to 2018-19)	<b>PI</b>
<b>3</b>	Creation of Seed Hub for increasing indigenous production of Pulses in India	ICAR-IIPR, Kanpur	Completed (2017 to 2023)	<b>PI</b>
<b>4</b>	Evaluation of the BARC released Blackgram varieties for Crop Intensification in West Bengal	DAE, BRNS, BARC, Anusaktinagar, Mumbai	Completed (2017-18 to 2019-20)	<b>PI</b>
<b>5</b>	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	Completed (2014-15 to 2018-19).	<b>Co-PI</b>
<b>6</b>	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	Completed (17-01-2017 to 31-12-2020)	<b>Co-PI</b>
<b>7</b>	Establishment of three different production units for	NABARD, Kolkata	Completed	<b>Co-PI</b>

	high quality fruit plants, enriched compost and integrated fish farming in the district of Nadia of West Bengal .		(2015-16 to 2017-18)	
<b>8</b>	Development of farm and tissue culture units for production and promotion of the medicinal plant Stevia as a promising cash crop .	NABARD, Kolkata	Completed (2015-16 to 2018-19)	<b>Co-PI</b>
<b>9</b>	Enhancing Lentil, lathyrus and Chickpea productivity through improved technology under Rice fallow areas of West Bengal.	ICARDA	Completed (01-11-2016 to 31-10-2020).	<b>Co-PI</b>
<b>10</b>	All India Research Project on MULLaRP, BCKV Centre, Mohanpur, Nadia, West Bengal (As Officer-in Charge)	ICAR-IIPR, Kanpur, UP	Completed (2015 to 2022)	<b>Officer-in-Charge</b>
<b>11</b>	Upgradation of Infrastructure facilities for quality seed production in different farms under BCKV to meet the need of farmers and good research work.	RKVY Cell, Government of West Bengal	Completed (2020-21 to 2021-22)	<b>Co-PI</b>
<b>12</b>	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, Government of West Bengal	Completed (2019-20 to 2020-21)	<b>Co-PI</b>
<b>13</b>	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>

**18. CAPACITY BUILDING/FACULTY DEVELOPMENT PROGRAMME**  
**A. ORGANIZED**

- **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.**

#### **B. ATTENDED**

- **As participant in Training/Summer School/ Winter School**

<b>SL. NO.</b>	<b>NAME OF THE PROGRAMME</b>	<b>DURATION</b>	<b>PLACE</b>	<b>ROLE</b>
<b>1</b>	Micropropagation techniques and physiological, biochemical & molecular interventions for sustained plant production under climate change scenario	21 days (06/09/2017 to 01/12/2015)	Department of Plant Physiology, BHU, Varanasi, UP	Participant
<b>2</b>	Transformative Rice Breeding	1 day( 23 <sup>rd</sup> August, 2017)	NRRI, Cuttack, Odisha	Participant
<b>3</b>	Classical, Molecular and Recombinant DNA Techniques for Stress Resistance Breeding	21 days (11/09/2015 to 01/12/2015)	Deptt. Of Genetics & Plant Breeding, GBPUA & T, Pantnagar, Uttarakhand	Participant
<b>4</b>	Rice Knowledge Management Portal-ICT Application for Rice Ecosystem	8 days (12/02/2013 to 19/02/2013)	CRRI, Cuttack, Odisha	Participant
<b>5</b>	ICT Initiative in Agriculture	2 days (21/06/2013 to 22/06/2013)	NIAEM, Rajendranagar, Hyderabad	Participant
<b>6</b>	Classical, Molecular and Recombinant DNA Techniques for Stress Resistance Breeding	12 days (01/10/2007 to 12/10/2007)	IRRI, Los Banos, MANILA, Phillipines	Participant
<b>7</b>	Quantitative Techniques for Research Workers	3 days (24/08/2006 to 26/08/2006)	Department of Statistics, The University of Burdwan, Burdwan	Participant
<b>8</b>	Molecular Markers and Transgenics for Precision in Rice Breeding	10 days (20/03/2006 to 29/06/2006)	Directorate of Rice Research , Hyderabad, INDIA	Participant
<b>9</b>	Boro Rice Production Technology	3 days (08/01/1996 to 10/01/1996)	Rathindra KVK, Visva Bharati, Santiniketan	Participant
<b>10</b>	Fertilizer Quality Control	5 days (01/11/1993 to 05/11/1993)	RFCL, Kalyani, Nadia (DAC, GOI)	Participant

• Attended as Speaker / Trainer

- 1 **Doordarshan Kendra, Kolkata** :AmanDanerBartamanParicharja on 31/08/2009 (Live) at 5.30 pm in the KrishiDarshanprogrammebyPrasarBharati, Doordarshan Kendra, Kolkata for 20 min.
- 2 **Doordarshan Kendra, Kolkata** :Kalokalaier Chas (Blackgram) on 15/08/2011 (Live) at 5.30 pm in the KrishiDarshanprogramme by PrasarBharati, Doordarshan Kendra, Kolkata for 20 min.
- 3 Participated as Anchor in the **All India Radio Live phone in programme** on Agriculture: Amra Chas KoriAnande on 'Eisamayeamandhanersasyarakhababasthapanana' on 05/10/2012.
- 4 Participated as speaker in **All India Radio** :KrishiSankrantaChithiPatra Uttar on 12/04/2013 (recorded) and Broadcasted by All India Radio on 13/04/2013 at 7 pm in Kolkata - A for 25 min.
- 5 **All India Radio**:KrishiKatharAsar: Live Phone in Programme on KharifKhande Dal Sasya Chaser Parikalpana on 06/05/2013 at 6.40 pm in Kolkata – A for 50 min.
- 6 Participated as Speaker at Agri/Horti/Food Fest 2013 at Netaji Indoor Stadium during 7<sup>th</sup> to 10<sup>th</sup> February, 2013.
- 7 Deliver a lecture in the **National Workshop** on 'Seed Testing and Quality Regulation' organized by Government of West Bengal at ATC, RK Mission, Narendrapur, South 24 Paraganas on 28<sup>th</sup> February, 2013.
- 8 Participated as Anchor in the **All India Radio Live phone in programme** on Agriculture: Amra Chas KoriAnande on 'BoroDhanerParicharja O PhasalTola' on 04/04/2014
- 9 Participated as Trainer in "One day Micro Watershed Level Awareness cum Orientation Programme under IWMP-17/2012-13' held on February, 10, 2015 at Binpur II Block, PaschimMednipore.
- 10 Participated as Trainer in the "Training of Tribal people on Cashew propagation, Cumtivation, Protection and Processing (Under Tribal Sub Plan) organized by AICRP on Cashew on 28<sup>th</sup> January, 2015 at RRS, Jhargram, PaschimMednipore.
- 11 Participated as Speaker in the training – cum – Awareness programme on PPV & FR Act, 2001 at Farmers Academy & Convention Centre, Kalyani, Bidhan Chandra KrishiViswavidyalaya on 28<sup>th</sup> February, 2015.
- 12 Participated as speaker in **All India Radio** :KrishiSankrantaChithiPatra Uttar on 26/11/2015 (recorded) and Broadcasted by All India Radio on 28/11/2015 at 7 pm in Kolkata - A for 25 min.
- 13 Lecture on 'Improved practice of Pulse production' in the Farmers Scientist interaction & Training meeting at KrishiMela on 06/01/2015 at BDO Office, Barasat II Block.
- 14 Lecture on 'Scope of Crop Diversification under watershed area of Western part of PaschimMednipore district of West Bengal' in the Micro Watershed Level Awareness cum Orientation programmeunder IWMP at Daladali, Banshpahari II Block, PaschimMednipore on 10/02/2015
- 15 Lecture on "Procedure for Registration of Varieties under the Act" under PPV & FR, 2001 in the Training – cum - Awareness programme of PPV & FR Authority, GOI to State Department Officials, University Fellows, KVK PCs & Scientists, Corporate personnels& Farmers on 28/02/2015 at FACC, Kalyani, BCKV, WB.
- 16 Lecture on 'Use of Micronutrients in the Cultivation of Pulses & Oilseeds and their Scientific Use' in the Farmers (SC) Training programme under State Plan Scheme, 2015-16 at ATC, Kalyani, Nadia on 4<sup>th</sup> January, 2016 at (2 pm to 3pm).
- 17 Lecture on 'Improved cultivation practices of Moong&kalai' in the Farmers (SC) Training programme under State Plan Scheme, 2015-16 at ATC, Kalyani, Nadia on 4<sup>th</sup> January, 2016 at (3pm to 4pm).
- 18 Lecture on 'Use of good quality Seeds for better Agricultural production and Importance of Seed Traetment' in the Women Farmers Training programme under State Plan Scheme, 2015-16 at ATC, Kalyani, Nadia on 4<sup>th</sup> January, 2016 at (2pm to 3pm).

- 19 Lecture on ‘Production of Seeds at Farmers Backyard and its Preservation’ in the Women Farmers Training programme under State Plan Scheme, 2015-16 at ATC, Kalyani, Nadia on 4<sup>th</sup> January, 2016 at (3pm to 4pm).
- 20 Lecture on Improved practice of Mustard Cultivation on 09/02/2017 in the Field Day programme at RRSS, (R & L), Sekhampur, Birbhum
- 21 Lecture on ‘Protection of Plant Varieties & Farmers Right Act (PPV & FRA), 2001 on 06/03/2017 in the Training programme for creation of Awareness among Farmers & other Stakeholders on 06/03/2017 at Hooghly KVK, Chinsurah, Hooghly, West Bengal
- 22 Lecture on ‘Protection of Plant Varieties & Farmers Right Act (PPV & FRA), 2001 on 17/03/2017 in the Training programme for creation of Awareness among Farmers & other Stakeholders on 17/03/2017 at Hooghly KVK, Chinsurah, Hooghly, West Bengal.
- 23 Lecture on ‘Advanced Technology adopted in Cultivation of Pulses’ at ATC Kalyani on 28/03/2016 in the Farmers Training programme under MGNREGA, 2015-16 at ATC, Kalyani, Nadia on 28<sup>th</sup> March, 2016.
- 24 Lecture on ‘Advanced Technology adopted in Cultivation of Oilseeds’ at ATC Kalyani in the Farmers Training programme under MGNREGA, 2015-16 at ATC, Kalyani, Nadia on 29<sup>th</sup> March, 2016.
- 25 **All India Radio** :KrishiSankrantaChithiPatra Uttar on 04/05/2016 (recorded) & Broadcasted by All India Radio on 07/05/2016 at 7 pm in Kolkata - A for 25 min.
- 26 Lecture on ‘Local Traditional Seed Production & Conservation’ In the Farmers Convention on 24<sup>th</sup>& 25<sup>th</sup> June, 2016 at Kashipur, Purulia organized by DRCSC, 58A, Dharmatala Road, Bosepukur, Kasba Kolkata-700 042.
- 27 **All India Radio** :KrishiSankrantaChithiPatra Uttar on 27/07/2016 (recorded) & Broadcasted by All India Radio on 30/07/2016 at 7 pm in Kolkata – A.
- 28 As Resource Person in the Farmers-Scientist Interaction programme under BGREI 2016 in the DC plots at Barasat I Block and Deganga Block, North 24 Paraganas under BGREI, 2016-17 on 11<sup>th</sup> November, 2016.
- 29 As Resource Person in the Farmers-Scientist Interaction programme under BGREI 2016 in the DC plots at Barasat II Block and Rajarhat Block, North 24 Paraganas under BGREI, 2016-17 on 18<sup>th</sup> November, 2016.
- 30 **All India Radio** :KrishiSankrantaChithiPatra Uttar on 24/11/2016 (recorded) & Broadcasted by All India Radio on 26/11/2016 at 7 pm in Kolkata - A for 25 min.
- 31 Lecture on Improved cultivation practices of Important Pulse Crops of West Bengal in the Farmers Training programme under State Plan Scheme, 2016-17 at ATC, Kalyani, Nadia on 3<sup>rd</sup> January, 2017.
- 32 Lecture on Improved cultivation practices of Important Pulse Crops of West Bengal in the Farmers Training programme under State Plan Scheme, 2016-17 at ATC, Kalyani, Nadia on 11<sup>th</sup> January, 2017.
- 33 Lecture on Improved practice of Pulse Cultivation in the Farmers Scientist interaction & Training meeting at KrishiMela on 20/01/2017 at KirtipurNabin Chandra High School Prangan, BagbandaSaiberia, Barasat II Block, North 24 Paraganas.
- 34 Lecture on “Pulse production Technology” in the Training programme of IFAD-ICARDA Project on 20/07/2017 at FACC, Kalyani, BCKV, Nadia, West Bengal.
- 35 Lecture on “Pulse production & value addition” in the Training programme of IFAD-ICARDA Project on 28/07/2017 at FACC, Kalyani, BCKV, Nadia, West Bengal.
- 36 Lecture on “Winter Pulse production” in the Training programme of IFAD-ICARDA Project on 22/08/2017 at FACC, Kalyani, BCKV, Nadia, West Bengal.
- 37 Lecture on New variety & Improved practices on Pulse Cultivation in the Farmers Scientist interaction & Training meeting at KrishiMela on 13/12/2017 at BDO Office Prangan, BagbandaSaiberia, Barasat II Block, North 24 Paraganas.
- 38 **All India Radio** :KrishiSankrantaChithiPatra Uttar on 08/06/2018 (recorded) & Broadcasted by All India Radio on 09/06/2018 at 7 pm in Kolkata – A (Gitanjali) for 25 min.

- 39 **All India Radio** :KrishiSankrantaChithiPatra Uttar on 04/12/2018 (recorded) & Broadcasted by All India Radio on 08/12/2018 at 7 pm in Kolkata – A (Gitanjali) for 30 min.
- 40 As an Expert on Improved Pulse Production Technology in the training programme on Winter Pulses in the Training programme of IFAD-ICARDA Project on 22/08/2017 at FACC, Kalyani, BCKV, Nadia, West Bengal.
- 41 Lecture on “Value addition of Pulses” in the Training programme of IFAD-ICARDA Project on 09/08/2018 at FACC, Kalyani, BCKV, Nadia, West Bengal.
- 42 Organized several Farmers Training Under TSP Programme of AICRP-NSP (Crops) from 2014-15 to 2017-18
- 43 Organized several numbers of Farmers Training, Exposure Visit and Farmers Field Day under RKVY Project ‘Popularization of the Diversified Crops in Red & Lateritic Zones of West Bengal (Code: 12075)’.
- 44 Participated as speaker in **All India Radio** :KrishiSankrantaChithi Patra Uttar on 29/05/2019 (recorded) and Broadcasted by All India Radio on 01/06/2019 at 7 pm in Kolkata - A for 25 min.
- 45 Participated as speaker in **All India Radio** :KrishiSankrantaChithi Patra Uttar on 13/12/2019 (recorded) and Broadcasted by All India Radio on 15/12/2019 and 22/12/2019 at 7 pm in Kolkata - A for 25 min.

## 19. SEMINAR/ SYMPOSIUM/ WORKSHOP etc

### A. ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
	-	-	-	-

### B. ATTENDED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1	National Seminar on " Health Care, Women Empowerment and Rural Development in India"	20-21 November, 2015.	Department of Economics & Politics, Viswa-Bharati, Santiniketan, West Bengal	Presented the paper on “Genes responsible for improved nitrogen use efficiency in rice are key components to enrich agriculture and rural community”.
2	National Seminar on "Sustainable agriculture for food security and better environment”.	17- 18 December, 2015.	Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia	Participants
3	National Seminar on “ Resource based inclusive Agriculture & Rural Development: Opprotunities & Challenges,	15-16 <sup>th</sup> January, 2016.	RIDM, Narendrapur, West Bengal.	Presented the paper on “Red & lateritic regions in West Bengal- Opportunities and Challenges”.



4	International Conference on India Biodiversity Meet 2019	19-21 November, 2019	Agricultural & Ecological Research Unit, Indian Statistical Institute, Kolkata.	Participants
5	International Seminar on Agriskills for Convergence in Research, Industry and Livelihood (ACRILL)	28 <sup>th</sup> November to 1 <sup>st</sup> December, 2019	CWSS, BCKV at FACC, Kalyani.	Participants
6	Attended the AGM of AICRP-NSP (Crops)	2015, 2016, 2017, 2018, 2019, 2020 & 2024		As Officer-in-Charge, AICRP-NSP, BCKV Centre.
7	Attended the Breeder Seed Review Committee Meeting	2015, 2016, 2017, 2018 & 2019		
8	Attended the AGM of AICRP-Rapeseed - Mustard	2019		

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

- Senior Research Fellowship (SRF) of CSIR during Ph D programme.

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

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**22. PUBLICATIONS**

**A. BOOKS : Nil**

**B. BOOK CHAPTERS:**

Sl no	Details of the Chapter	Name of the Book	Publishers
1	Chapter 12: Transgenic research on Tomato: Problems, Strategies and achievements. By- Joydeep Banerjee, Saikat Gaintait, Sutanu Sarkar and Prabir Kumar Bhattacharyya. Pp. 287-334.	Biotechnologies of Crop Improvement. Vol.2. 2018. Edited by S. S. Gosal, S. H. Wani [ISBN 978-3-319-90650-8] [DOI: 10.1007/978-3-319-90650-8_12]	© Springer International Publishing AG, part of Springer Nature 2018 287 <a href="https://doi.org/10.1007/978-3-319-90650-8_12">https://doi.org/10.1007/978-3-319-90650-8_12</a>
2	Chapter 6: farmers' Right and Privilege: Implications for the Farming Community. By Arpita Das, Bholanath Saha, Prabir Kumar	The Role of Intellectual Property Rights in Agriculture and Allied Sciences. [ISBN Hard Back: 9781771886987 ISBN: e Book:9781351125284]	<b>Apple Academic Press</b> , 9 Spinnaker Way, Waretown, NJ 08758 USA (Distributed by <b>CRC</b> )

	Bhattacharyya and Anita Roy. 2018. Pp. 193-218.		<b>Press (Taylor &amp; Francis Group)</b>
3	Biological Nitrogen Fixation for Sustainable Agriculture. By Bholanath Saha, Sushanta Saha, Arpita Das, Prabir Kumar Bhattacharyya, Nirmalendu Basak, Abhas Kumar Sinha and Parthendu Poddar. 2017. Pp. 81-128.	Agriculturally Important Microbes for Sustainable Agriculture. Vol. 2: Applications in Crop Production and Protection. Edited by-Vijay Singh Meena, Pankaj Kumar Mishra, Joideep Kumar Bisht and Arunava Pattanayak. ISBN: 978-981-10-5342-9; e-Book: ISBN: 978-981-10-5343-6 DOI: 10.1007/978-981-10-5343-6	<b>Springer Nature, 152</b> Beach Road, #21-01/04 Gateway East, Singapore 189721
4	Prospects of Soybean ( <i>Glycine max</i> L. Merr) towards Nutritional Security in West Bengal. By Prabir Kumar Bhattacharyya and Joydeep Banerjee. 2017. Pp. 123-131.	Growth and Diversification in India's Emerging Economy. Edited by- Pranab Kumar Chattopadhyay and Daya Shankar Khuhwaha [ISBN: 978-93-86453-06-8]	<b>New Delhi Publishers, 90,</b> Sainik Vihar, Mohan Garden, New Delhi- 110059
5	Genes responsible for improved nitrogen use efficiency in rice are key components to enrich agriculture and rural community. 2016. Pp. 309-316.	Rural Health: Women Empowerment and Agriculture: Issues and Challenges. Edited by-Pranab Kumar Chattopadhyay and Daya Shankar Khuhwaha[ISBN: 978-93-85503-40-5]	<b>New Delhi Publishers, 90,</b> Sainik Vihar, Mohan Garden, New Delhi- 110059
6.	Modern Breeding Approaches for Disease and Insect Pest Resistance in Soybean	In-Press	<b>Springer</b>

### C. RESEARCH PAPERS (Best 10)

1	<b>P K Bhattacharyya</b> , H H Ram and P C Kole. Inheritance of resistance to yellow mosaic virus in inter-specific crosses of soybean. <i>Euphytica</i> , 108:157-159, 1999. Netherland.
2	<b>P K Bhattacharyya</b> and H H Ram Inheritance and Biochemical basis of resistance to <i>Spilosomaobliqua</i> Walker in inter specific crosses of soybean. 1995. <i>Plant Breeding</i> , 114:466-468.Germany.
3	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. Rice ( <i>Oryza sativa</i> ) alleviates photosynthesis and yield loss by limiting specific leaf weight under low light intensity. <b>Functional Plant Biology (2023)</b> . <a href="https://doi.org/10.1071/FP22241">https://doi.org/10.1071/FP22241</a> (NAAS: 8.81)
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. Variation in P-acquisition ability and acid phosphatase activity at the

	early vegetative stage of lentil and their validation on P-deficiency field. <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	Poulomi Sen, Shampa Purkayastha, Dibakar Das, Jayita Goswami, Shubhrajyoti Sen, Pooja Rai, Tirthankar Biswas, <b>Prabir K. Bhattacharyya</b> and Somnath Bhattacharyya. Yield-enhancing SPIKE allele from the aus-subtype indica rice and its allele specific codominant marker. 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: 6.99)
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Signature with date