

# RESUME

**NAME: Dr. ANITA ROY (AICH)**

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

**CONTACTS:**

**1. OFFICIAL ADDRESS FOR CORRESPONDENCE:**

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**4. ORCID ID: \_0009-0002-2820-3945\_**

**5. GOOGLE SCHOLAR PROFILE: \_\_\_\_\_**

**6. RESEARCHGATE PROFILE: \_\_\_\_\_**

**7. DATE OF BIRTH: \_25 / \_12 / \_1970\_**

**8. DATE OF JOINING TO THE UNIVERSITY: \_16 / \_12 / \_2014\_**

## **9. ACADEMIC PROFILE:**

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	Ph. D (Science)	Jadavpur University, Kolkata. (worked at PMCG, Bose Institute, Kolkata)	2001
MASTER'S	MSc. (Ag) Plant Breeding and Genetics	Bidhan Chandra Krishi Viswavidyalay	1995
BACHELOR'S	B.Sc(Ag)	Bidhan Chandra Krishi Viswavidyalay	1992

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

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
WBAS (Research) Assistant Botanist	PORS, Berhampore GOVT of WB	June 1998	July 2009
WBAS (Research) Assistant Botanist	RRS, Chinsurah GOVT of WB	July 2009	15.12.2014
Associate Professor	BCKV	16.12. 2014	– till date

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

SL. NO.	NAME OF THE POST(S)/ RESPONSIBILITY(IES)	PERIOD	
		From	To

		(Date)	(Date)
1	Incharge , AINPJAF	2015	Till date
2	Member of Technical committee for purchase	2019	Till date

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

- Actively engage in Research on Jute Breeding and Molecular works.
- Engaged in research on Stevia Tissue culture
- Actively engage in Research on Pulse Breeding.
- Actively engage in Research on Rice Breeding

## 13. COURSES ASSOCIATED WITH:

LEVEL	COURSE NO.	COURSE TITLE	CREDIT
UNDERGRADUATE	GPB 254	Crop Improvement -I (Rabi Crops)	2+1
	GPB 303	Crop Improvement -I (Kharif Crops)	2+1
	EC	Commercial plant breeding	3+0
POST GRADUATE	GPB 501	Principles of Genetics	2+1
	GPB 511	Crop Breeding I (Kharif Crops)	2+1
	GPB 512	Crop Breeding I (Rabi Crops)	2+1
	GPB 506	Genetics and Molecular breeding	2+1
Ph.D.	GPB 605	Genomics in crop improvement	1+2
	GPB 751	Breeding Designer crops	2+0

## 14. NUMBER OF STUDENTS SUPERVISED:

Master's. \_\_9\_\_ Doctoral \_5, 2 (ongoing)\_\_\_\_\_

## 15. PROJECT ACTIVITIES

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ Co-PI
1	AINP on Jute and allied fibres	ICAR	continuing	PI
2	RIDF - Tissue culture on Stevia	NABAARD	Completed	PI
3	Low grain Arsenic accumulation (Co- PI)	RKVY	Completed	Co-PI
4	Pulse Project with ICARDA		Completed	Co-PI

## 16. CAPACITY BUILDING/FACULTY DEVELOPMENT PROGRAMME ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1	RIDF - Tissue culture on Stevia	3 yrs	Mohanpur	PI

## 17. SEMINAR/ SYMPOSIUM/ WORKSHOP etc ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1	Annual workshop in AINPJAF	2016, 2 days	FACC, Kalyani	Organising secretary
2	Annual workshop in AINPJAF	2018, 2days	FACC, Kalyani	Organising secretary
3	QRT in AINPJAF	2018, 2 days	FACC, Kalyani	Organiser
4	National Level Workshop on “Jute Production, Marketing and Utilization Strategies” organised by Directorate of Jute Development and BCKV.	2021, 1 day	FACC, Kalyani	

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

- Worked on identification of plant lectins for insecticidal properties and testing their efficacy on mites, aphids, Study on their role in control using cotton bug as target insect (work tagged/related to Indian Patents 228789 and 239569)
- **Varieties Released**
- Pulses: Lentil WBL 77 (Moitree, CVRC), WBL 81 (SVRC)
- Also associated with release of Chickpea (Bidisa) and Urdbean (Sulata)
- Rice: IET 22066, IET 23429, Gosaba 5 (salt tolerant)
- Jute : BCCC 1 (*notified in 2018, registered with PPVFRA 2022*), BCCO 6 (*notified in 2017*), BCCC-2(*notified in 2019*), BCCO-13(*notified in 2022*)
- Scorer of Maths Olympiads Merit Certificates in Xth and XIIth
- Award of certificate by Geography association
- Scorer of ICAR JRF during M.Sc in Genetics, GATE qualified 1995, CSIR NET in 1995 and ICAR NET qualified in 1997

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

. Nil

## 20. PUBLICATIONS

### A. BOOK

### B. RESEARCH PAPERS (Best 10)

	topic	Journal
1	Binding of Garlic ( <i>Allium sativum</i> ) leaf lectin to the gut receptors of homopteran pest is correlated to its insecticidal activity,	Elsievier journal of Plant Science, 2001
2	Efficiency of mannose binding plant lectins in controlling a homopteran insect-the Red cotton bug,	Journal of Agricultural and food chemistry, 2003

3	Effectiveness of garlic lectin in red spider mite of Tea,	Journal of Plant interaction, 2009
4	Differential Responses to indirect organogenesis in Rice Cultivars.	Int. Journal of Scientific Research Publications. (rated 5.0)
5	Overall genetic diversity of the rice cultivars in the coastal Saline belts of West Bengal and selection of desirable types, 2016	Eco. Env and Conservation (rated 5.02)
6	Deciphering stability of rice genotypes for grain yield under salt stress environment	Journal of Pharmacognosy and Phyto chemistry, 2019 rating 5.21
7	Analysis of Comparative Genetic Diversity in Two cultivated Species of Jute	Int. J. Curr. Microbiol. App Sc., 2020, rating 5.38
8	Heterosis and Combining Ability for Yield and Yield Attributing traits in Tossa Jute	Current Journal of Applied Science and Technology, 2020, rating 5.32
9	Studies on genetic variability and identification of sequence variations among cultivars and landraces of rice for apparent amylose and amylopectin contents	Cereal Research Communication, 2021, rating 6.81
10	Modified protocol for isolation of High Quality RNA from the Matured Bark Tissue of tossa jute	Brazilian arch Bio. Tech, 2024, rating 7.0

*Anta Roy* 7.5.2025

Signature with Date