

RESUME

NAME: DR. RAJIB NATH

DESIGNATION: Professor

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5. GOOGLE SCHOLAR PROFILE: Dr. Rajib Nath

6. RESEARCHGATE PROFILE: Dr. Rajib Nath

7. DATE OF BIRTH: 02.01.1966

8. DATE OF JOINING TO THE UNIVERSITY: 20.10.1993

9. ACADEMIC PROFILE:

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	Ph.D (Agronomy)	BCKV	1998
MASTER'S	M.Sc. (Ag.)	BCKV	1990
BACHELOR'S	B.Sc. (Ag.)	BCKV	1988

10. EMPLOYMENT HISTORY: (Starting from present position)

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
Lecturer (Research)	BCKV	20.10.93	30.05.01
Lecturer (Research), Sr. Scale	BCKV	18.11.98	19.10.02
Reader	BCKV	20.10.02	31.12.05
Assoc. Professor	BCKV	01.01.06	29.06.2010
Professor	BCKV	30.06.2010	Till date

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

SL. NO.	NAME OF THE POST(S)/ RESPONSIBILITY(IES)	PERIOD	
		From (Date)	To (Date)
01.	Officer In-Charge of AICRP on MULLaRP	29.06.2010	24.05.2016
02.	Associate Director of Research (Red and laterite Zone) BCKV, Jhargram	SEP 2023	JAN 2025
03.	Incharge, Regional Research Station, BCKV, Raghunathpur, Purulia	August, 2021	December, 2022
04.	Officer-Incharge of West Bengal Government approved permanent project of Survey selection and mass production of nodule bacteria as legume inoculants for the improvement of pulse cultivation in West Bengal	JAN 2021	JULY 2021
05.	Principal Investigator of AICRP on Pulse Seed Hub (Creation of seed Hubs for increasing indigenous production of pulses in India)	October,2023	Till date

12. AREA OF RESEARCH : (Bulleted list)

- Crop Weather Relationship in Field Crops
- Pulse Research and Development
- Oilseed Research and Development
- Tuber Crops (Yam Bean, Sweet Potato, Elephant Foot Yam)

13. COURSES ASSOCIATED WITH:

LEVEL	COURSE NO.	COURSE TITLE	CREDIT
UNDERGRADUATE	AGR 152	Crop Production Technology-I	1+1
	AGR 201	Crop Production Technology-II	1+1
	AGR 251	Crop Production Technology-III	1+1
POST GRADUATE	AGRON 501	Modern Concepts in Crop Production	2+1
	AGRON 507	Agronomy of Fiber and <i>Kharif</i> oilseed crops	2+1
	AGRON 508	Agronomy of Medicinal, Aromatic and Narcotic crops, tuber and underutilized crop	2+1
	AGRON 514	Agronomy of <i>Rabi</i> cereals and pulse crops	2+1
Ph.D.	AGRON 602	Recent trends in Crop Growth and Productivity	2+1

14. NUMBER OF STUDENTS SUPERVISED:**Master's.:** 18 (Four Continuing) **Doctoral:** 13 (Two Continuing)**15. PROJECT ACTIVITIES**

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ Co-PI
01.	Ad-hoc research project on Energy and Mass Exchange in vegetative system	Dept. of Space Application Centre. ISRO. Govt. of India	Completed	Co-PI
02.	Sustainable farming system to enhance and ensure livelihood security of poor in Bakura, Purulia and West Midnapur. (NAIP Component-3)	World Bank – ICAR.	Completed	Co-PI
03.	AICRP on Groundnut Voluntary Centre	Directorate of Groundnut research, Junagadh	Completed	PI
04.	Principal Investigator on 'Bio-efficacy and allied studies of Glyphosate 95% and Paraquat Dichloride 421% on Tea, Potato and Non-Crop area	M/S Krishi Biotech Research Pvt. Ltd., Kolkata-20	Completed	PI
05.	Miti-gating abiotic stress and enhancing resource use efficacy in pulses in rice fallows through innovative resource conservation practices under the National Fund for Basic, Strategic and Frontier Application Research in Agriculture	ICAR	Completed	Co-PI
06.	Sustainable farming system to enhance and ensure livelihood security of poor in Purulia, Bankura and West Midnapore districts of West Bengal under NAIP	ICAR	Completed	Co-PI
07.	Improvement of mungbean for resistance to Mungbean yellow mosaic viruses	Dept. of Biotechnology, Ministry of Science and Technology,	Completed	Co-PI

		Govt. of India		
08.	Enhancing grasspea production in Eastern and North-Eastern States for animal feed, safe human food and sustainable rice – based production system in India’ under NFSM-Pulses	DAC-IACARDA-ICAR	Completed	Co-PI
09.	Action research in fruit processing value chain in some selected areas of West Bengal	RKVY through Director of Agril. Marketing, Govt. of West Bengal	Completed	Co-PI
10.	Restoration of agricultural ecosystems through agro-waste recycling and subsequent employment generation for SC community of Nadia district	DST, Govt. of West Bengal	Completed	Co-PI
11.	Development of groundnut genotypes with fresh seed dormancy by induced muta genesis suitable for rice based cropping system in West Bengal	BARC, Trombay, Govt. of India	Completed	Co-PI
12.	Project Incharge AICRP on MULLaRP (Mungbean, Urdbean, Lentil, Lathyrus, Rajma and Pea)	IIPR-ICAR, Kanpur	Completed	PI
13.	Enhancing lentil productivity under rice based cropping system in West Bengal	OCPF-ICARDA (India Morocco Grain Legumes Initiatives)	Completed	PI
14.	Screening of lentil Germplasm for stemphyllium blight and rice fallow situation	ICARDA, Rabat Office, Rabat, Morocco	Completed	PI
15.	Development of high yielding, early maturing and small seeded lentil varieties with resistance to key biotic and abiotic	ICARDA, South Asia-China Regional Program, New	Completed	PI

	stresses suitable for short season environment	Delhi		
16.	AICRP on Pulse Seed Hub (Creation of seed Hubs for increasing indigenous production of pulses in India)	ICAR	Ongoing	PI

16. CAPACITY BUILDING/FACULTY DEVELOPMENT PROGRAMME ORGANIZED

List of farmers' training programmes under IFAD ICARDA project (2017-2021)

Sl. No.	Date	Village	Duration	Number of farmers present
1.	14.07.2017	BCKV. Mohanpur, Nadia	One day	45
2.	20.07.2017	BCKV. Mohanpur, Nadia	One day	48
3.	24.07.2017	BCKV. Mohanpur, Nadia	One day	42
4.	10.08.2017	BCKV. Mohanpur, Nadia	One day	46
5.	12.10.2017	Directorate of Research, BCKV, Kalyani	One day	44
6.	03.03.2018	ADA, Barasat Block-II Office	One day	51
7.	09.08.2018	Farmers' Academy and Convention Centre, BCKV, Kalyani	One day	53
8.	12.07.2018	Manbazar Block-I. Dist: Purulia	One day	57
9.	28.01.2019	District Seed Farm, B.C.K.V. AB Block, Kalyani, Nadia	One day	50
10.	15.02.2019	Laboratory, Department of Post-Harvest Technology of Horticultural Crops, Faculty of Horticulture, B.C.K.V.	One day	49
11.	22.05.2019	Regional Nuclear Atomic Research Centre, B.C.K.V.	One day	48
12.	28.05.2019	Atulia Village, Chakdaha Village, Nadia	One day	55
13.	17.06.2019	Chapra Dhantala Samabay Krishi Unnayon Samiti Ltd., Ranaghat Block, Nadia	One day	60
14.	20.11.2029	Tarana Seed Company, Hatbasantapur, Arambag, Hooghly	One day	
15.	17.01.2020	Gangajalghati, Bankura	One day	71
16.	21.02.2020	Goghat, Hooghly	One day	44
17.	13.03.2020	District Seed Farm, B.C.K.V. AB Block, Kalyani, Nadia	One day	65
18.	18.01.2021	Maheswarapur, Chakdaha, Nadia	One day	77
19.	23.01.2021	Sonatikari, Barasat II, North 24 Parganas	One day	45
20.	30.01.2021	Harekrishnapur, Karimpur I, Nadia	One day	87
21.	02.02.2021	Tarana Seed Company, Hatbasantapur, Arambag, Hooghly	One day	41
22.	26.02.2021	Ranaghat Krishak Bazar, Nadia	One day	65

List of farmers' training programmes under ATMA project (2020 & 2021)

Sl. No.	Date	Village	Duration	Number of farmers present
1.	06.02.2020	Maheswarpur, Chakdah Nadia	One day	46
2.	10.02.2020	Sonatikari, Barasat II, North 24 Parganas	One day	50
3.	19.02.2020	Nagarukhra, Haringhata, Nadia	One day	55
4.	13.03.2020	District Seed Farm, B.C.K.V. AB Block, Kalyani, Nadia	One day	65
5.	18.01.2021	Maheswarpur, Chakdaha, Nadia	One day	77
6.	23.01.2021	Sonatikari, Barasat II, North 24 Parganas	One day	45
7.	30.01.2021	Harekrishnapur, Karimpur I, Nadia	One day	87
8.	19.02.2021	ADA Office, Illambazar, Birbhum	One day	41

List of farmers' training programmes under SUFAL BANGLA project (2020 & 2021)

Sl. No.	Date	Village	Duration	Number of farmers present
1.	17.01.2020	Gangajalghati, Bankura	One day	71
2.	06.02.2020	Maheswarpur, Chakdaha, Nadia	One day	46
3.	19.02.2020	Nagarukhra, Haringhata, Nadia	One day	55
4.	21.02.2020	Goghat, Hooghly	One day	44
5.	13.03.2020	District Seed Farm, B.C.K.V. AB Block, Kalyani, Nadia	One day	65
6.	09.07.2020	Tehatta, Nadia	One day	32
7.	30.9.2020	Dalaha, Khatra, Bankura	One day	50
8.	01.10.2020	Malthore, Purulia	One day	39
9.	18.01.2021	Maheswarpur, Chakdaha, Nadia	One day	77
10.	30.01.2021	Harekrishnapur, Karimpur I, Nadia	One day	87
11.	02.02.2021	Tarana Seed Company, Hatbasantapur, Arambag, Hooghly	One day	41
12.	12.02.2021	Jagatpur, Belda, West Midnapore	One day	46
13.	19.02.2021	ADA Office, Illambazar, Birbhum	One day	41
14.	26.02.2021	Ranaghat Krishak Bazar, Nadia	One day	65

17. SEMINAR/ SYMPOSIUM/ WORKSHOP etc ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE

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

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

- International Center for Agricultural Research in the Dry Areas (ICARDA)
- Asian Vegetable Research and Development Center (AVRDC)
- International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)

20. PUBLICATIONS

A. BOOKS

- Nath, R; Chattopadhyay, A and Mukhopadhyay, S , J (2010) Tuber crops for nutritional and economic security. In : Sustainable Food Security. Chapter- 25. Ed by P.K Jain, B. S. Hansra, K. S. Chkraborty and J. M .Kurup.PP : 309-317. **Mittal Publications. New Delhi.**
- Chattopadhyay, R. Nath and H. Sen (2006) Carotene rich sweetpotato – Alleviate malnutrition and provide lively hood, In : Ajker Krishi Bhabna (Ed. Prof. N. Mukherjee). **National Book Agency, 2006.**
- Mukhopadhyay, Sen,H; Nath, R and Chattopadhyay, A (2022). Yambean. In : Vegetable Crops Vol : 1. PP: 373-41.
- Nath, R and Bhattacharyee, T (2022). Fababean. IN: Vegetable Crops. Vol.1. pp : 417-454.

B. RESEARCH PAPERS (Best 10)

- Kumari, V. V., Roy, A., Vijayan, R., Banerjee, P., Verma, V. C., Nalia, A., ... & Hossain, A. (2021). Drought and heat stress in cool-season food legumes in sub-tropical regions: Consequences, adaptation, and mitigation strategies. *Plants*, 10(6), 1038.
- Bandyopadhyay, P. K., Singh, K. C., Mondal, K., Nath, R., Ghosh, P. K., Kumar, N., ... & Singh, S. S. (2016). Effects of stubble length of rice in mitigating soil moisture stress and on yield of lentil (*Lens culinaris* Medik) in rice-lentil relay crop. *Agricultural Water Management*, 173, 91-102.
- Nath, R., Chakraborty, P. K., & Chakraborty, A. (2001). Effect of climatic variation on yield of sesame (*Sesamum indicum* L.) at different dates of sowing. *Journal of Agronomy and Crop Science*, 186(2), 97-102.
- Mukherjee, P. K., Mehetre, S. T., Sherkhane, P. D., Muthukathan, G., Ghosh, A., Kotasthane, A. S., ... & Saxena, D. R. (2019). A novel seed-dressing formulation based on an improved mutant strain of *Trichoderma virens*, and its field evaluation. *Frontiers in Microbiology*, 10, 1910.
- Venugopalan, V. K., Nath, R., Sengupta, K., Nalia, A., Banerjee, S., Chandran, M. A. S., ... & Hossain, A. (2021). The response of lentil (*Lens culinaris* Medik.) to soil moisture and heat stress under different dates of sowing and foliar application of micronutrients. *Frontiers in plant science*, 12, 679469.
- Banerjee, P., Venugopalan, V. K., Nath, R., Chakraborty, P. K., Gaber, A., Alsanie, W. F., ... & Hossain, A. (2022). Seed priming and foliar application of nutrients

influence the productivity of relay grass pea (*Lathyrus sativus* L.) through accelerating the photosynthetically active radiation (PAR) use efficiency. *Agronomy*, 12(5), 1125.

Venugopalan, V. K., Nath, R., Sengupta, K., Pal, A. K., Banerjee, S., Banerjee, P., ... & Siddique, K. H. (2022). Foliar spray of micronutrients alleviates heat and moisture stress in lentil (*Lens culinaris* Medik) grown under rainfed field conditions. *Frontiers in plant science*, 13, 847743.

Nath, R., Chakraborty, P. K., & Chakraborty, A. (2000). Effect of microclimatic parameters at different sowing dates on capsule production of sesame (*Sesamum indicum* L.) in a tropical humid region. *Journal of Agronomy and Crop Science*, 184(4), 247-252.

Banerjee, Purabi; Bhattacharya, Parijat; Vishakumari, V; Bera, Anurag; Nath, Rajib (2022) Modification in bio-physical properties of spring-summer blackgram (*Vigna mungo* L. Hepper.) through optimization of sowing dates and nutrient management towards production sustainability. **Field crop Research** 1-20 <http://doi.org/10.1016/i.fer.2022.108767>.

Banerjee, Purabi; Venugopalan, Vishakumari; Nath, Rajib; Gaber, Ahmed and Hossain, Akbar (2024) Dynamics of growth, physiology radiation interception, production and quality of autumn blackgram (*Vigna mungo* L. Hepper) as influenced by nutrient scheduling. PLOS ONE PP: 01-22.

Rajib Nath 15/05/25

Signature with Date