RESUME

NAME: Dr. SUBRATA DUTTA

DESIGNATION: Professor

CONTACTS:

1. **OFFICIAL ADDRESS FOR CORRESPONDENCE: Department of Plant Pathology, BCKV, Mohanpur, Nadia-741252**

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4. **GOOGLE SCHOLAR PROFILE:** https://scholar.google.com/citations?user=luqS3PcAAAA

5. **DATE OF BIRTH: 01/01/1972**

6. **DATE OF JOINING TO THE UNIVERSITY: 02.11.2006**

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7. ACADEMIC PROFILE:

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	Ph.D in Plant Pathology	IARI, New Delhi	2002
MASTER'S	M.Sc in Plant Pathology	IARI, New Delhi	1998
BACHELOR'S	B.Sc. (Ag.) Hons.	BCKV	1995

8. EMPLOYMENT HISTORY: (Starting from present position)

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
Professor (Stage-V)	BCKV, Mohanpur	Nov., 2017	to till date
Asso. Professor (Stage-IV)	BCKV, Mohanpur	Nov, 2014	2nd Nov., 2017
Asstt. Prof. (Stage-III)	AICRP on Vegetable Crops & Department of Plant Pathology, BCKV	Nov, 2011	Nov., 2014
Asstt. Prof. (Stage-II)	AICRP on Vegetable Crops	Nov, 2006	Nov., 2011
Asstt. Prof. (Stage-I)	UBKV, Pundibari, Cooch Behar	Jan, 2002	Nov., 2006

9. ADMINISTRATIVE POST(S)/ RESPONSIBILIY(IES) (IF ANY) : NA

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

10. AREA OF RESEARCH : (Bulleted list)

- Plant Bacteriology
- Ecology of Soil borne plant pathogens

- Biological control and plant disease management
- Epidemiology and plant disease forecasting.

11. COURSES ASSOCIATED WITH:

LEVEL	COURSE NO.	COURSE TITLE	CREDIT
UNDERGRADUATE	PPA-105 EC-263 EC-363 ELP- 451	Fundamentals of Plant Pathology-I Chemicals and Biofungicides in Plant disease management Detection and diagnosis of plant diseases Production of bioagents and botanical pesticides	1+1 2+1 2+1
POST GRADUATE	Pl. Path 503 Pl. Path. 506 Pl.Path. 509 Pl. Path. 517	Plant pathogenic Prokaryotes Techniques in detection and diagnosis of plants Disease Resistance in plants Diseases of vegetable and spices crops	2+1 2+1 0+2 2+1
Ph.D.	Pl.Path. 603 Pl.Path. 604	Advanced in Plant pathogenic Prokaryotes Molecular basis of Host Pahogen Interaction	2+1 2+1

12. NUMBER OF STUDENTS SUPERVISED:

Research supervision	M. Sc.	M. Phil	Ph.D
No. of students guided so far	18	-	10 as Supervisor + 4 as Co-Supervisor

13. PROJECT ACTIVITIES

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ Co-PI
	"In-depth investigation on biotic/abiotic elicitors mediated induced systemic resistance in rice-rhizoctonia system under different agro-ecological region of West Bengal".	DBT, GOI	COMPLETED	Principal investigator
	Exploitation of native microbial inoculants for biotic and abiotic stress management under vegetable based cropping system on different agro-ecological regions of West Bengal	Department of Higher Education, Science and Technology and Biotechnology Government of West Bengal	COMPLETED	Principal investigator
	Relationship between *S. rolfsii, R. solani,* the soil and climatic variables in three major cropping system in	NASF, ICAR, New Delhi	COMPLETED	Co-CC-PI and CCPI

	the country and identification of markers for resistance to *S. rolfsii*.			
	Real Time PestSurveillance on Tomato– Part-I	NICRA, ICAR-NCIPM	COMPLETED	Principal investigator
	Real Time Pest Surveillance on Tomato – Part-II	NICRA, ICAR-NCIPM	COMPLETED	Principal investigator
	Current Status of bacterial wilt and detection of *Ralstonia solanacearum* free areas under potato growing districts to facilitate the export from West Bengal	Department of Agriculture, Govt. of West Bengal	COMPLETED	Co-PI
	Sustainable Rural Livelihood EmpowermentProject for Northern Disadvantaged Districts ofWest Bengal, NAIP Component-3.	ICAR, New Delhi	COMPLETED	Associated Scientist
	Consortium Research Project (CRP) on Agrobiodiversity	ICAR-NBPGR	ONGOING	Co-PI
	Survey, Surveillance, monitoring & advisory services of pest and diseases of major crops in West Bengal – A pilot study	RKVY, GoWB	COMPLETED	Co-PI
	""Image capturing of pest/diseases…….AI based Mobile App" as CCPI	NAHEP Component 2A, (NAHEP- ICAR-IASRI)	COMPLETED	CCPI

14. CAPACITY BUILDING/FACULTY DEVELOPMENT PROGRAMME

A. ORGANIZED N.A.

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1.	Mushroom Spawn Production	21 days (09.05.2024 to 29.05.2024)	Department of Plant Pathology, BCKV	Co-Coordinator
2.	Mushroom Cultivation	30 days (09.05.2024 to 07.06.2024)	Department of Plant Pathology, BCKV	Co-Coordinator

15. SEMINAR/ SYMPOSIUM/ WORKSHOP etc

A. ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1.	"National symposium on climate change, plant protection and food security interface" organized by AAPP on December, 17-19, 2009 at FACC, BCKV.	3 days	FACC, BCKV	Joint Convener of the Technical sub-committee

2.	National Seminar on Agrometeorological Research and Serviced Combat Climate Change Challenges from 9-10 December, 2011 organized by BCKV and Association of Agrometeorologists, India.	2 days	FACC, BCKV	Member of the Local Organizing Committee
3.	The 38th Annual Conference and National Symposium-2016 from 24-26 December, 2016 on Challenges towards Plants Health under Changing Climate Scenario for Sustainable Agriculture organized by ISMPP, Udaipur, Rajasthan and Department of Plant Pathology, BCKV	3 days	FACC, BCKV	Member of the Publication Committee
4.	The National Symposium on Impact of Climate Change, Biodiversity and Good Plant Protection Practices on Crop Productivity from 22-23 December, 2016 organized by Association for Advancement in Plant Protection, BCKV.	2 days	FACC, BCKV	Convener
5.	East Zone meet cum National Symposium of Indian Phytopathological Society, on Nov, 2017 at BCKV		FACC, BCKV	Convener cum Co-Organizing Secretary

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

Awards / medals received

i. S.B. Chattopadhyay Memorial Award Lecture organized by Indian Mycological Society, 2022
ii. PP Singhal Memorial 2nd Best PI Industries Award, organized by Indian Society of Mycology & Plant Pathology,2017
iii. National Geospatial Excellence Award, National Geo-Spatial Forum, 2014
iv. Best AICRP (Vegetable Centre) Award, 2012, ICAR
v. Recipient of Sunity Bala Raychowdhury Award for best Ph.D. Thesis in Division of Plant Pathology from IARI, New Delhi (2002)
vi. Distinguished Scientist Award for the contribution and achievement in the field of Plant Bacteriology by Venus International Foundation, 2016
vii. Distinguished Scientist Award for the contribution and achievement in the field of Plant Pathology by Agro Environmental Development Society (AEDS), 2021

Award received by the M.Sc. & Ph. D. students of Dr. S. Dutta during last 10 years

a. Dr. Ankit kr. Ghorai, Ph.D student of Dr**. S. Dutta** was awarded MJ Narasimhan Academic Merit Award, 2019-20, organized by Indian Phytopathological Society, IARI, New Delhi
b. Dr. Amrita Dasgupta, Ph.D student of Dr**. S. Dutta** was awarded MJ Narasimhan Academic Merit Award, 2023-24, organized by Indian Phytopathological Society, IARI, New Delhi
c. Dr. Amrita Dasgupta, M.Sc. student of Dr**. S. Dutta** was awarded P.R. Varma M.Sc. Award, 2018, organized by Indian Society of Mycology & Plant Pathology, Udaipur
d. Dr. Tasvina R. Borah, Ph.D student of Dr**. S. Dutta** was awarded Smt Guman Devi Verma Memorial Best Woman Scientist Award, 2018, organized by Indian Society of Mycology & Plant Pathology, Udaipur.
e. Dr. Tasvina R. Borah, Ph.D student of Dr**. S. Dutta** was awarded Dr. R. B. Somani Award for Best Ph. D. Thesis in the field of Plant Pathology
f. Dr. A. Roy Barman, Ph.D student of Dr**. S. Dutta** was awarded P.R. Varma Ph.D. Award, (2nd) 2014, organized by Indian Society of Mycology & Plant Pathology, Udaipur.
g. Dr. Krishna Ray, M.Sc. student of Dr**. S. Dutta** was awarded P.R. Varma M.Sc. Award (2nd), 2016, organized by Indian Society of Mycology & Plant Pathology, Udaipur

Fellowship awarded by other Scientific Societies / academia

i. Fellow of West Bengal Academy of Science & Technology, 2024
ii. Fellow of Indian Mycological Society, Kolkata, 2024
iii. Fellow of Indian Society of Mycology & Plant Pathology, Udaipur, 2019
iv. Fellow of Indian Phytopathological Society, New Delhi, 2017
v. Fellow of Plant Protection Society of India, New Delhi, 2009

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

- "The Effects of Climate Change on Pests and Diseases of Major Food Crops in the Asia Pacific Region" sponsored by Asia Pacific Network in which scientists from Australia, Bangladesh and India collaborated to developed models for predicting Late Blight of Potato.

18. PUBLICATIONS

A. BOOKS

- Das, S., Dutta, S. Chakraborty, BN and Singh, D. (2018). Recent approaches for management of plant diseases. Today and Tommorow's Printers and Publishers, New Delhi, 499p. ISBN 81-7019- 599-X
- P. Hazra, A.Chattopadhyay, K. Karmakar and S.Dutta(2011). Modern Technology in VegetableProduction, New India Publishing Agency. ISBN: 978-93-80235-32- 5
- P. Hazra, A.Chattopadhyay, K. Karmakar and S.Dutta(2011). Technics in Vegetable Production, AICRP on Vegetable Crops, BCKV
- P. Hazra, A.Chattopadhyay, K. Karmakar and S.Dutta(2011). Sabji Utpadaner Projukti, AICRP on Vegetable Crops, BCKV

B. RESEARCH PAPERS (Best 10)

Sl. No.	Research Paper	NAAS Rating (As on 01.01.2024)
1.	Bhutiaa, N.D., Setha,T.,Shendeb,V.D., **Dutta,S**., Chattopadhyay, A. (2014). Estimation of Heterosis, dominance effect and genetic control of fresh fruit yield, quality and leaf curl disease severity traits of chilli pepper (Capsicum annuum L.), Scientia Horticulturae, 182 (2015): 47–55	10.30
2.	Borah TR, **Dutta S**, Barman AR, Ray SK (2024) Genetic diversity and virulence variability of Sclerotinia sclerotiorum in Eastern and Northeastern India. PLoS ONE 19(11): e0312472. https://doi.org/10.1371 /journal.pone. 0312472	9.70
3.	Seth, T., Chattopadhyay, A., **Dutta, S**., (2017). Genetic control of yellow vein mosaic virus disease in okra and its relationship with biochemical parameters. Euphytica 213: 30. https://doi.org/10.1007/s10681-016-1789-9	7.90
4.	Das,A., **Dutta,S**., Jash,S., Roy Barman,A., Das,R., Kumar,S., Gupta.S. (2019), Current knowledge on Pathogenecity and management of Stephylium botryosum in Lentils (Lens culinaris ssp. Culinarismedik), *Pathogens* **,** *8*(4): 225 **https://doi.org/10.3390/pathogens8040225**	9.70
5.	Mukhopadhyay, S., Kundu, K., Nanda, M. et al. Spectral insights into symptom development and biochemical changes during the advancement of cucumber downy mildew disease. J Plant Pathol (2025). https://doi.org/10.1007/s42161-025-01883-5	8.20
6.	Tasvina Rahman Borah, **S. Dutta,** Ashis Roy Barman, RizwanulHelim, Krishnendu Sen., (2021), Variability and host range of Sclerotinia sclerotiorum in Eastern and North Eastern India, Journal of Plant Pathology, 103: 809-822	8.20
7.	Ghorai AK, **Dutta S**, Roy Barman A (2022) Genetic diversity of *Ralstonia solanacearum* causing vascular bacterial wilt under different agro-climatic regions of West Bengal, India. PLoS ONE 17(9): e0274780. https://doi.org/10.1371/journal.pone.0274780	9.70
8.	Garain, P. K., Mondal, B., & **Dutta, S**. (2022). Biofumigation based integrated disease management against Athelia rolfsii (syn. Sclerotium rolfsii Sacc.) induced collar rot disease of betelvine (Piper betle L.). Journal of Plant Pathology, 104(3), 1027-1038.	8.20

9.	Nazneen H, Das R, Das A, **Dutta S**, Bhattacharya S, Patar S, Roy S, Gupta S and Kumar S. (2024) Disease spectrum and its molecular characterisation in the lentil production system of lower-Indo Gangetic plains. *Front. Plant Sci.* 15:1199016. doi: 10.3389/fpls.2024.1199016	11.60
10.	Ra y, K., Barman, A.R., Sen, K. **Dutta, S***. & Ray, S.K. (2023) Molecular variability and host range of *Rhizoctonia solani* AG1-IA in rice-vegetable based cropping systems in West Bengal, India. *J Plant Pathol* **105**, 283–294. https://doi.org/10.1007/s42161-022-01283-z	8.20

11.03.2025

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Signature with Date