

RESUME

NAME: AMITAVA BASU

DESIGNATION: PROFESSOR IN PLANT PATHOLOGY

CONTACTS:

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5. **GOOGLE SCHOLAR PROFILE:**

<https://scholar.google.co.in/citations?user=1lnu32YAAAAJ&hl=en>

6. **RESEARCHGATE PROFILE:** NA

7. **DATE OF BIRTH:** 02/01/1961

8. **DATE OF JOINING TO THE UNIVERSITY:** 09/01/1990

9. ACADEMIC PROFILE:

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	Ph.D	BCKV	1990
MASTER'S	M.Sc(Ag.) Plant Pathology	BCKV	1986
BACHELOR'S	B.Sc(Ag.)Hons	BCKV	1984

10. EMPLOYMENT HISTORY: (Starting from present position)

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
Professor	BCKV	2007	Cont..
Associate Professor	BCKV	1999	2006
Senior Lecturer	BCKV	1996	1999
Lecturer	BCKV	1990	1995

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

SL. NO.	NAME OF THE POST(S)/RESPONSIBILITY(IES)	PERIOD	
		From (Date)	To (Date)
01.	Secretary, UG/PG Council,	10.12.2010	30.11.2011
02.	Prof. & Head, Plant Pathology	01.03.2017	28.02.2021
03.	Designated Inspection Authority for RPQS,Salt Lake, Kolkata, W.B.	01.03.2017	28.02.2021

12. AREA OF RESEARCH : (Bulleted list)

- Mycology
- Plant pathology
- Epidemiology
- Plant disease management
- Organic management
- Bio control
- Plant Bio Security & Plant Quarantine

13. COURSES ASSOCIATED WITH:

LEVEL	COURSE NO.	COURSE TITLE	CREDIT	
UNDERGRADUATE	PPA 105	Plant Pathogens	1+1	
	PPA 155	Principles of Plant Pathology	2+0	
	PPA 251	Diseases of Field Crops and their Management	2+1	
	AEPP(306)	Integrated Pest and Disease Management	2+1	
	PPA 454	Mushroom cultivation and spawn production	0+2	
	AG 403	Plant Clinic (Rural Agricultural Work Experience)	1+3	
	POST GRADUATE	PL.PATH 504	Principles of Plant Pathology	2+1
PL.PATH 551		Principles of Plant Disease Management	2+0	
PL.PATH 556		Host-parasitic Interaction	2+0	
PL. PATH-649		Seminar-I	0+1	
PL. PATH-651		Plant Quarantine	1+0	
PL. PATH-699		Seminar-II	0+1	
Ph.D.		PPA 801	Diseases of National & International Importance	1+1
		PL. PATH-799	Seminar-I	0+1
		PL.PATH-849	Seminar-II	0+1
		PL.PATH-999	Seminar-III	0+1
	PL.PATH-751	Principles and procedure of certification	1+0	
	PL.PATH-752	Plant Bio safety and Bio security	2+0	

14. NUMBER OF STUDENTS SUPERVISED:

Master's, 12 **Doctoral** 11

15. PROJECT ACTIVITIES

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ Co-PI
1	“Evaluation of Late Blight chemicals on potato,” from 2003-2005,	Du Pont India Pvt. Ltd.	Completed	Amitava Basu
2	“Bio efficacy and Phytotoxicity study of Super XL against rice diseases”	Hindusthan Pulverising Mills, New Delhi.	Completed	Amitava Basu
3	“Bioefficacy and Phytotoxicity study of Azoxystrobin 23%SC against powdery and downy mildew diseases of grapes”	GSP Crop Science Pvt. Ltd., Ahmedabad.	Completed	Amitava Basu
4	“Evaluation of bio pesticides against diseases in Chilli”	SRT Agro Science Pvt Limited, Durg, Chattisgarh.	Completed	Amitava Basu

5	“Bioefficacy of Trichoderma harzianum 2.0% and Bacillus subtilis 2.0% against root rot of Maize and damping off of Chilli”	Balaji Crop Care Pvt. Ltd.	Completed	Amitava Basu
6	“Evaluation of Bioefficacy & Phytotoxicity of Flupyrum + Tebuconazole 400SC against Anthracnose/Leaf spot & Powdery mildew”.	M/S Bayer Crop Science Ltd, Kolkata	Completed	Amitava Basu
7	“Evaluation of Rallis fungicide, Taqat (Captan 70%+Hexaconazole 5% wWP) for bio efficacy against sheath rot, stem rot and sheath blight”	Rallis India Limited, Rallis Research Centre.	Completed	Amitava Basu
8	“Bioefficacy and Phytotoxicity of Kresoxim Methyl 44.3% SC on Rice and Grape.”	Parijat Industries (India) Pvt. Ltd.	Completed	Amitava Basu
9	“Evaluation of FMC Fungicide coded product FF 1701 for Bio efficacy and Phytotoxicity against brown spot and Sheath blight diseases of Rice”	M/S FMC Pvt. Ltd., Cheminova India Limited, LBS Marg, Kurla (West), Mumbai	Completed	Amitava Basu
10	“Evaluation of Rallis Insecticide and fungicide premixture Origin 8.5% WGFOR Bio efficacy, Phytotoxicity and safety to Natural enemies on Tomato”	M/S Rallis India. Ltd., Bangalore	Completed	Amitava Basu
11	Evaluation of Bioefficacy and Phytotoxicity of Tribasic Copper Sulfate 34.5% SC (fungicide) against Downy mildew and Anthracnose diseases in Cucumber”	M/S Excel Crop Care Ltd., Goregaon East, Mumbai	Completed	Amitava Basu
12	Evaluation of Bioefficacy and Phytotoxicity of Oxathiapiprolin 0.6%+ Mancozeb 60% (R2Y13) WG against Late Blight of Potato (<i>Phytophthora infestans</i>)”	M/S E.I Du Pont India Pvt. Ltd., Hyderabad, Telangana	Completed	Amitava Basu
13	“Current status of bacterial wilt and detection of <i>Ralstonia solanacearum</i> free areas under potato growing districts to facilitate the export from West Bengal”	Funded by Govt. of West Bengal	Completed after 3 years (2018-2019, 2019-20 and 2020-21)	Amitava Basu as PI.

16. CAPACITY BUILDING/FACULTY DEVELOPMENT PROGRAMME ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
3.	Training program of Extension Officials, Govt. Of West Bengal	Potato Export zone scheme-at Purba Bardhaman-one day, jointly BCKV and Govt. of West Bengal	2018-19	Resource person
4.	Training program of Extension Officials, Govt. Of West Bengal	Potato Export zone scheme-at Purba Bardhaman-one day, jointly BCKV and Govt. of West Bengal	2019-20	Resource person

17. SEMINAR/ SYMPOSIUM/ WORKSHOP etc ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1.	Organizing Secretary for coordinating National Symposium on “Challenges towards Plant Health under Changing climate Scenario for Sustainable Agriculture”	November 24 to 26, 2016	Kalyani, FACC, West Bengal	As Organizing Secretary, Department of Plant Pathology & ISMPP, MPUAT, Udaipur, Rajasthan jointly.
2.	Organizing Workshop for the Bacterial wilt project funded by Govt. of West Bengal	Four workshops were successfully organized during 2018-19 & 2019-20	Kalyani, FACC, West Bengal	Organized as Head and Principal Investigator of Potato Bacterial wilt project

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

Title of the Award / Honours	Name of the Government Organization / Institution	Year of Felicitation
Selected Fellow of Indian Society of Mycology and Plant Pathology,	MPUAT, Udaipur, Rajasthan.	2003
Chaudhury Devilal Outstanding All India Coordinated Research Project(AICRP) Award for outstanding contribution in the field of Potato production	ICAR-CPRI, Shimla	2005
Selected East Zone Councilor of Society of Plant Protection Sciences,	IARI, Pusa, New Delhi	2006
Selected Fellow of Society of Plant Protection Sciences,.	IARI, Pusa, New Delhi	2007
Chairing the session of Crop Protection in the International Conference on Agriculture and Horticulture Sciences	Hyderabad	during 3-5 Feb,2014 at Hyderabad
Invited Keynote Speaker in the International Conference on Sustainable Agriculture Food and Energy(SAFE 2014)	Denpasar, Indonesia. Bali,	During Sept, 2014
Selected Resident Coordinator of India for Sustainable Agriculture, Food and Energy Network, Indonesia.	Denpasar, Indonesia Bali,	Sept, 2014
Steering committee member in International Conference in Sustainable Agriculture, Food and Energy (SAFE 2015)	Indonesia	2015-2018
Awarded K.S. Bilgrami Best poster award during "ISMPP 38 th Annual Conference cum National Symposium –on	Research paper entitled "Spore dynamics of fungal endophytes in different rice growth stages resulting severe outbreak on cultivar Lalswana" (Vikas Kumar Raavat, Amitava Basu, Veera Suresh and Jayashree Bhattacharjee).	National Symposium 2016 Challenges towards plant health under changing climate scenario for sustainable agriculture."
Session chair International conference SAFE,2018	Makati, Manila , Philippines	Oct, 19-21,2018
Session Co chair In 7th International Conference in the Bio security and Bio safety session, IARI, PUSA	IARI,PUSA, New Delhi	Jan, 2020
Dr. Amitava Basu, BCKV, Mohanpur, West Bengal, India has been awarded "Best Oral Presentation" for his paper presentation on " Integrated approach for identification of <i>Ralstonia solanacearum</i> free areas in major potato growing districts to boost export from West Bengal "	at Indian Phytopathological Society CONF 2020 at IARI,PUSA,NEW DELHI	Jan,2020
Sir E.J.Butler Memorial Award Lecture	At Indian Mycological Society, 35 Ballygunge Circular road,Kolkata,700019	10th February, 2023
To serve as a Judge for Technical Session in Agriculture and Horticulture,	At Midnapore College, 7 th Regional Science & Technology Congress (2024-25) (Region- 4)with DST & BT, Govt. of West Bengal.	3 rd and 4 th January,2025

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

BULLETED LIST	NAME OF THE PROGRAMME	DURATI ON (Days)	PLACE	ROLE
●	XXIII Latin American Potato Congress-2008	10	Mar del Plata , Argentina	Oral Presentation of Research Paper
●	International GO – Organic Symposium-2009	8	Bangkok, Thailand	Oral Presentation of Research Paper
●	International Conference on Biodiversity, Livelihood and Climate Change-2010	8	Katmandu, Nepal	Oral Presentation of Research Paper
●	International Conference on Effect of Plant and Canopy Architecture on pest and disease epidemiology-2012	8	Rennes, INRA, France	Oral Presentation of Research Paper
●	International conference on Sustainable Agriculture for Food and Energy-2014	7	Denpasar, Bali, Indonesia	Invited Keynote speaker
●	“2015 International Training Workshop on Seed Potatoes Multiplication and Diseases Integrated Control Techniques”	21	VSRI,HAAS, Harbin, China	Attendee in International Training Workshop
●	International conference on Sustainable Agriculture for Food and Energy-2016	6	Rahuna University, Colombo	Invited Keynote speaker
●	SAFE 2018	5	Manila, Philippines	To Chair a Session
●	MOU for Research and Teaching collaboration with student and teachers exchange program as an Indian Signatory in Warmadewa State of Agreement at Bali, Indonesia along with Germany, Japan, Indonesia, Malaysia, Philippines and Sri Lanka University dignitaries during September 2014.			

20.PUBLICATIONS

A. BOOKS

Sl. No.	Title of the book	Name of publisher
1.	Basu, Amitava. M. Chettri, A. Konar and A.B. Mondal(2003)“Coordinated potato Research and development in West Bengal,” Pp: 1-116.	Published by All India Coordinated Potato Improvement Project, BCKV, Kalyani, Nadia, W.B. India.
2.	Basu A and P.K. Sengupta (2003) Current status of some Important diseases of major pulse crops in India in “Plant Pathology at cross roads”, pp : 154-171.	Published & Edited by C. Sen, M.K. Dasgupta & S. Chaudhury
3.	Basu, A (2007) Eco friendly management of late blight disease of potato in West Bengal.	in the book entitled “Sustainable pest Management”, Edited by D. Prasad, Secretary, Annals of Plant Protection Sciences, Division of Nematology,IARI, New Delhi, PUSA
4.	Vikas Kumar Ravat, Raghupati,B and Amitava Basu (2019)“Integrated Pest Management strategies for combating biotic stress of ornamental plants” 3-6. Advance in Floriculture and Urban Horticulture.	Published by Studera Press. ISBN. 978-93-85883-65-1.
5.	Basu, A., & Konar, A. (2023). Integrated Disease and Pest Management under Potato Based Cropping System. In Integrated Pest Management in Diverse Cropping Systems (pp. 427-459). Apple Academic Press.	Published by CRC Press Taylor & Francis Group, Apple Academic Press, USA ISBN. 9781774911167

B. RESEARCH PAPERS (Best 10)

1. Basu, Amitava (2014) Bio-efficacy of *Pseudomonas fluorescens*(7% WP and 5% SC formulation) against bacterial wilt disease of Chili. Asia Pacific Journal of Sustainable Agriculture Food and Energy (APJSAFE).2(2):36-40.
2. Vikramjit Singh, Srihima Gampala, Vikas Kumar Ravat, S.K.Chakraborty and Amitava Basu (2015)Effect of Foliar Spray of Salicylic Acid on Sheath Blight infecting pathogen and Yield attributes in Hybrid rice. The Ecoscan : 9(1&2):507-512
3. JayashreeBhattacharjee1. Debashre Bhattacharjee2. Amitava Basu1. Chandan Debnath3*(2018) Effect of Different Chemical Compounds and Nano-Formulations on the Cell Wall Components of *Alternaria solani* and *A. alternata*.*Indian Journal of Hill Farming*.Volume 31, Issue 2, Page 422-427
4. VK Ravat, JK Meher, Rede GD and A Basu(2019)Quantification of sheath blight pathogen infesting Swarna rice cultivar in the alluvial zone of West Bengal, India. International Journal of Chemical Studies 2019; 7(3): 3337-3345
5. Adhikary A, Maji P Kand Basu A. 2023. Assessment of the *Colletotrichum* Leaf Spot Disease of Turmeric in West Bengal, India: A Comprehensive Report on the Current Situation. *Int. J. Sci. Res.* 12(8): 2419-2427
6. Basu A and Konar A. (2023). Integrated Disease and Pest Management under Potato Based Cropping System. Book on Integrated Pest Management on Diverse Cropping Systems edited by Devendra Pal Singh. *Apple Academic Press Inc.*, 1265 Goldenrod Circle, NE., Palm Bay, FL, 32905 USA. 427- 459pp.
7. Dutta S, Basu A, Chaudhuri T and Bag T K. 2023. New leaf spot disease caused by *Paraconiothyrium variabile* on Vanda orchid in India. *Scientist.* 4(4): 308-315
8. Shivakoty P, Basu A, Maji P K and Thapa S. 2023. Integrated Disease Management of Early Blight in Organically grown Tomato under Hill Condition of Sikkim, India. *APJSAFE.* 11(2): 67-81
9. Dutta S, Basu A and Maji P K. 2024. New anthracnose disease caused by *Colletotrichum orchidearum* on *Cattleya sp.* Orchid in India. *Braz. J. Dev.* 10(2):e67401
10. Murmu, Rabinath, and Amitava Basu. 2024. "Influence of Different Growth Supplements on Cultural Characteristics of *Corynespora Cassiicola* Causing Target Leaf Spot Disease in Tomato". *Journal of Advances in Biology & Biotechnology* 27 (8):632-41. <https://doi.org/10.9734/jabb/2024/v27i81178>.



Date:-10.03.2025

Signature with Date