

**RESUME****Dr Ayon Roy**

Professor in Plant Pathology

**CONTACT DETAILS**

PHONE NO. :

E-MAIL ID:

: Department of Plant Pathology  
 Uttar Banga Krishi Viswavidyalaya  
 Pundibari, Coochbehar, West Bengal, India, 736165

2. DATE OF BIRTH :

3. Academic Qualification : Ph. D. in Plant Pathology

Examination or Degree or Diploma	Board / University	Year of		% of marks Obtained /OGPA* (with scale)	Class/ Division	Subject with Specialization at Master degree level and onward
		Admission	Passing out			
Secondary						
Higher Secondary						
Graduation						
Master Degree						
Doctoral Degree						

4. Award for PhD Thesis : -

**5. Experience (Experience and Professional)****a. As Teacher/Researcher**

Sl. No.	Employer	Post held	Pay scale	Period of employment		Actual duration
				From	To	
1	Assistant Pathologist under AINP on Jute & Allied Fibres from July 2003 at UBKV	Assistant Pathologist		July 2003		
2.	Assistant Professor in	Assistant				

	the Department of Plant Pathology, UBKV	Professor				
3.	Associate Professor of Department of Plant Pathology, UBKV	Associate Professor		May, 2014 to	May, 2017	
4	Associate Professor of Department of Plant Pathology, UBKV	Head, Department of Plant Pathology		19.09.2014	18.09.2018	
5.	Professor of Department of Plant Pathology, UBKV	Professor		May, 2017	Till Date	
6	Professor of Department of Plant Pathology, UBKV	Deputy Registrar (Exam. Section) ( Actg.) UBKV				

**b. As Unit Head :**

Name of the Institute	Particulars	From	To
Department of Plant Pathology	Head of the Department of Plant Pathology	19.09.2014	18.09.2018

**c. As Establishment Head :**

Name of the Institute	Particulars	From	To
UBKV, Exam.	Deputy Registrar (exam.) (Actg.)	31.06.2020	Till Date
UBKV, Registrar (Actg.)	Registrar (Actg.)	In absence of Regular Registrar, UBKV time to time from 2021	Till date
UBKV, Dean, Post Graduate Studies (Actg.)	Dean, Post Graduate Studies (Actg.)	In absence of Regular Dean, PGS time to time from 2021	Till date

**d. As Project PI:**

Title of the project	Capacity (PI/Co-PI or other)	Period		Sponsoring / Funding organization	Amount of Fund mobilised (Rs.In lakhs)
		From (DD/M M/YYYY)	To (DD/M M/YYYY )		
Syngenta Project on Evaluation of new fungicide molecules offering better plant disease management	P.I.	2015	continuing	Syngenta	

**d. As Project Co-PI:**

Title of the project	Capacity (PI/Co-PI or other)	Period		Sponsoring / Funding organization	Amount of Fund mobilised (Rs.In lakhs)
		From (DD/M M/YYYY Y)	To (DD/M M/YYYY Y)		

Title of the project	Capacity (PI/Co-PI or other)	Period		Sponsoring / Funding organization	Amount of Fund mobilised (Rs.In lakhs)
		From (DD/M M/YYYY Y)	To (DD/M M/YYYY Y)		
All India Network Project on Jute & Allied Fibres	Co.P.I.	2006	2011		
Control of yellow vein mosaic disease of Hibiscuscannabinusfunded	Co.P.I.	2006	2010	ICAR	
RKVY project on Development of Bioresource Complex: A single window for service & training	Co-P.I			RKVY	
RKVY project on Development of common minimum programme for production of bioprimered seedling	Co-P.I			RKVY	
RKVY project on Development and validation of IPM in rice	Co.P.I.			RKVY	
RKVY project on Plant Protection Advisory Services	Co.P.I.			RKVY	
DBT sponsored project on Establishment of rural bioresourcecomplex in North Bengal.	Co.P.I.				

## II. TEACHING EXPERIENCE

Sl. No.	Item	Details	Years
1.	Graduation level		
2.	Masters' level		
3.	Doctoral level		
4.	Ph.D Student Guidance	Guidance of M.Sc. (04 awarded, 02 continuing).	
5.	M.Sc. Student Guidance	Guidance of M.Sc. (06 awarded, 01 continuing).	
6.	Innovation of Teaching Methods	<ul style="list-style-type: none"> <li>a. Prepared visual aided study materials and practical manual,</li> <li>b. Expert member in preparing IPM module of different Crops at NIPHM, Hyderabad</li> <li>c. University representative to BSMA committee for formulation of Crop Protection syllabus of ICAR.</li> <li>d. Member, Board of Studies, Department of Plant Pathology, PSB, Visva Bharati, 2023</li> </ul>	

## a) Professional Trainings

Details of the programme	Level (Local / National / International)	Period	
		From (DD/MM/YYYY)	To (DD/MM/YYYY)
<b>Training at national level</b>			
1. ICAR sponsored winter school on “Biological and Biotechnological Approaches to Insect Pest and Disease Control” from 14 <sup>th</sup> November to 4 <sup>th</sup> December, 2007 at Project Directorate of Biological Control, Bangalore.		14.11.2007	04.12.2007
2. ICAR sponsored training course on “Recent Advances in Plant Disease Management” from 13 <sup>th</sup> December, 2008 to 2 <sup>nd</sup> January, 2009 at Centre of Advanced Studies in Plant Pathology, G.B. Pant University of Agriculture & Technology, Pantnagar.		13.12.2008	02.01.2009
<b>Training at International level</b>			

## b) Seminars/Symposiums/Workshops Attended

Details of the programme	Period	
	From	To
1. National Symposium on “Frontier Studies in Microbes and Host-Microbe Interactions” organized by Indian Mycological Society, Department of Botany, Calcutta University from 02-03 February, 2002.	02.02.2002	03.02.2002
2. Zonal Chapter (EZ) Meeting cum Symposium of Indian Phytopathological Society at Bidhan Chandra KrishiViswavidyalaya, Mohanpur, Nadia from 18-19 <sup>th</sup> November, 2003.	18.11.2003	19.11.2003
3. International Symposium organized by Indian Mycological Society, Department of Botany, University of Calcutta from 23-25 <sup>th</sup> February, 2006.	23.02.2006	25.11.2006
4. National Symposium on Advances in Abiotic and Biotic Stress Management of Plants and East Zone Meet of Indian Society of Mycology and Plant Pathology, Organized by DRS-Department of Botany, University of North Bengal, Siliguri, 734013 from 23-24 <sup>th</sup> September, 2011.	23.09.2011	24.09.2011
5. Eastern Zonal Conference of Indian Society of Mycology and Plant Pathology & National Symposium on “Biotic and abiotic stresses in Plants under changing climatic scenario” during 29-30 <sup>th</sup> Nov, 2012 at Department of Plant Pathology, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar.	29.11.2012	30.11.2012
6. National Seminar on Adaptation and Mitigation Strategies of Climate Change for Sustainable Livelihood during 5-7 <sup>th</sup> March, 2014 at UBKV, Pundibari, Cooch Behar.	05.03.2014	07.03.2014
7. International Conference on Natural Fibres by The Indian Natural Fibre Society during 1-3 <sup>rd</sup> August, 2014 at The Oberoi Grand, Kolkata, West Bengal.	01.08.2014	03.08.2014
8. 6 <sup>th</sup> International conference of Indian Phytopathological Society on Plant, Pathogen and People – Challenges in Plant Pathology to Benefit Humankind during 23-27 Feb, 2016 at NASC complex, New Delhi.	23.02.2016	27.02.2016
9. National Symposium organized by Indian Phytopathological Society on Plant Health Management for food security and safety during 8-9 <sup>th</sup> December, 2016 at BCKV, Mohanpur, Nadia, W.B.	08.12.2016	09.12.2016
10. 12 <sup>th</sup> National Symposium of Society of Plant Protection Sciences on Biotic Stress Management Strategies: Challenges and Environmental Harmonization at UBKV, Pundibari, Cooch Behar, West Bengal from 17-19 <sup>th</sup> Feb, 2017.	17.02.2017	19.02.2017
11. National Symposium on Plant Health Management: Embracing Eco-Sustainable Paradigm during February 15-17 <sup>th</sup> , 2018 at AAU, Jorhat, Assam.	15.02.2018	17.02.2018

**c) Seminars/Symposiums/Workshops organized**

Details of the programme	Period	
	From	To
Local Organizing Secretary of 12th National Symposium of Society of Plant Protection Sciences.		

#### IV. Extension Experience

##### a) Participatory Research

Title of Technology	Methods Adopted	Individual/Collaborative

##### b) Technology Developed

Category of achievement	Title	Year	Additional information, if any

#### V) Other academic related experiences

Sl. No.	Other academic experiences
1	<ul style="list-style-type: none"> <li>Prepared visual aided study materials and practical manual.</li> </ul>
2	<ul style="list-style-type: none"> <li>Involvement in Evaluation system (question setter, moderation, review, evaluation and invigilation of UG and PG courses.</li> </ul>
3	<ul style="list-style-type: none"> <li>External Question setter and Evaluator of other Universities like OUAT, BCKV, Visva Bharati, CAU (Imphal), BAU</li> </ul>
4	<ul style="list-style-type: none"> <li>Reviewer of journals including Indian Phytopathology.</li> </ul>
5	<ul style="list-style-type: none"> <li>Expert member in preparing IPM module of different Crops at NIPHM, Hyderabad.</li> </ul>
6	<ul style="list-style-type: none"> <li>University representative to BSMA committee for formulation of Cop Protection syllabus of ICAR.</li> </ul>
7	<ul style="list-style-type: none"> <li>Zonal Councilor (East Zone), Indian Phytopathological Society 2019-20.</li> </ul>
8	<ul style="list-style-type: none"> <li>Member, Board of Studies, Department of Plant Pathology, PSB, Visva Bharati, 2023.</li> </ul>
9	<ul style="list-style-type: none"> <li>External Examiner for M.Sc. and Ph.D thesis evaluation for BCKV, Visva Bharati, CAU, Madras University, etc.</li> </ul>

**B. Administrative Experience**

Sl. No.	Name of the Post	Nature of Work	Duration	Organization	Remarks
1	Officer in-charge	Officer in-charge of the project of Cooch Behar centre	April, 2006	UBKV	
2.	Head of the Department of Plant Pathology, UBKV	Head of the Department of Plant Pathology	(19.09.2014 to 18.09.2018) 4 Years	UBKV	
3.	Deputy Registrar (Actg.)	Conducting UG, PG, Ph.D. Exam and perform as the head of Admission process of UG, PG, Ph.D. Courses		UBKV	
4	Registrar (Actg.)	Look after the regular work of Registrar, UBKV in absence of Regular Registrar, UBKV time to time	From 2021 to till date	UBKV	
5	Dean, Post Graduate Studies (Actg.)	Look after the regular work of Dean, PGS in absence of Regular Dean, PGS time to time	From 2021 to till date	UBKV	
6	Member of Faculty Council, BORS			UBKV	
7	Convenor, Intellectual Property and Technology Management Cell			UBKV	
8	Teacher escort for Study tour of UG students in South and North India			UBKV	
9	Local Organizing Secretary of 12th National Symposium of Society of Plant Protection Sciences			UBKV	
10	Central Level Co-ordinator, SC-Sub Plan 2019-20			UBKV	
11	Member, Academic Council, UBKV			UBKV	
12	Nodal Officer for ICAR- UG, PG & Ph.D counselling			UBKV	

## 6. LIST OF PUBLICATION

## Journal Papers

1. Pan, S., Roy, A. and Hazra, S. (2001). In vitro variability in biocontrol potential among some isolates of *Gliocladiumvirens*. *Advances in Plant Sciences*. 14(1):301-303.
2. Pan, S., Hazra, S. and Roy, A. (2001). Efficacy of iprodione and carbendazim against rice sheath blight and their compatibility with biocontrol agents. *Journal of Interacademia*. 5(1):11-18.
3. Pan, S., Hazra, S. and Roy, A. (2002). Variation in some biological characters of wild and mutant isolates of *Gliocladiumvirens*. *Journal of Mycopathological Research*. 40(2):107-116.
4. Majumder, N., Pan, S.K., Hazra, S. and Roy, A. (2003). Variation in spore size of *Trichoderma* and *Gliocladium* in different mass multiplication media. *Journal of Mycopathological Research*. 41(1):79-81.
5. Roy, A. and Pan, S. (2004). Comparative study on rhizosphere colonization by some mutant and wild isolates of *Trichoderma* species. *Indian Phytopathology*. 57(3):255-259.
6. Roy, A. and Pan, S. (2005). Biocontrol potential of some mutants of *Trichodermaharzianum* and *Gliocladiumvirens* against wilt of pigeon pea. *Journal of Interacademia*. 9(4):494-497.
7. Satya, P. and Roy, A. (2005). Genetic parameters and disease resistance in early planted red skinned potato genotypes. *Environment & Ecology*. 23(2):261-264.
8. Roy, A., Hazra, S. and Pan, S. (2005). Studies on fungicide tolerance ability of some mutant isolates of *Trichodermaharzianum* and *Gliocladiumvirens*. *Journal of Mycopathological Research*. 43(1):95-99.
9. Roy, A. and Pan, S. (2005). Effect of fungistasis on germinability of wild and mutant isolates of *Trichodermaharzianum* and *Gliocladiumvirens*. *Journal of Mycology and Plant Pathology*. 35 (2):319-323.
10. Roy, A. and Pan, S. (2005). Competitive parasitic ability and biocontrol potential of mutants of *Trichodermaharzianum* and *Gliocladiumvirens* against *Sclerotiumrolfsii* induced root rot of groundnut. *Journal of Mycology and Plant Pathology*. 35(2):326-330.
11. Roy, A., Hazra, S. and Pan, S. (2005). Irradiation to induce better strains of *Trichoderma*virens. *Indian Phytopathology*. 58(1):106-110.
12. Sarkar, D., Kharbikar, L., Roy, A., Kar, C., Kundu, A., Sinha, M. and Mahapatra, B. (2009). Jute biotechnology roadmap: present status and emerging trends. 116-125.
13. Mitra, S., Roy, A., Saha, A.R., Maitra, D.N., Sinha, M.K., Mahapatra, B.S. and Saha, S. (2010). Effect of integrated nutrient management on fibre yield, nutrient uptake and soil fertility in jute (*Corchorus olitorius*). *Indian Journal of Agricultural Sciences* 80(9): 801-804.
14. Debnath, P.M. Bhattacharya and A. Roy. (2011). Standardization of antagonism index based screening technique for determination of biocontrol potentiality of *Trichoderma* species. *Journal of Mycology and Plant Pathology* 41(2):200-206.
15. Roy, S.K., Chakraborty, G., Roy, A., Haque, S., Sinha, M.K., Mitra, S. and Kale, V.A. (2011). Stability for fibre yield and its yield attributing traits in white jute (*Corchorus capsularis* L.). *Journal of Crop and Weed* 7(2):97-99.
16. Debnath, A., Bhattacharya, P.M. and Roy, A. (2012). Effect of amendments on Biocontrol efficiency of *Trichoderma* spp. and its subsequent effect on seedling growth. *International Journal of Bioresource and Stress Management* 3(2):206-210.
17. Roy, A. and Bhattacharya, P.M. (2012). Effect of chitin amendment for efficiency enhancement of *Trichodermaharzianum*. *Journal of Mycopathol. Research*. 50(2): 291-295.
18. Nongmaithem, N., Roy A. and Bhattacharya, P.M. (2014). In-vitro evaluation of tolerance cadmium and nickel by *Rhizoctonia solani*. *International Journal of Current Research* 6(3):5349-5350.
19. Ngomle, S., Bhattacharya, P.M., Roy, A. and Ambesh, B.S. (2014). Isolation and screening of phosphate solubilising bacteria from different crop rhizosphere. *The Ecoscan* 6:505-509.
20. Roy, A., Ambesh, B.S., Bhattacharya, P.M. and Ngomle, S. (2014). Effect of pellet based formulation of *Pseudomonas fluorescens* on seedling health of cauliflower. *Journal of Agriculture and Technology* 2(1):107-112.

21. Roy, A., Chakraborty, G., Roy, S.K., Mitra, S. and Sarkar, S.K. (2015). Exploiting plant growth promoting microbes and biopesticides for eco-friendly and cost effective biotic stress management of olitorius jute in terai region of West Bengal. *Indian Journal of Natural Fibres* 1(2):203-211.
22. Roy, A., Roy, S.K., Chakraborty, G. and Sarkar, S.K. (2015). Effect of biocontrol agent consortia for ecofriendly management of stem and root rotin olitorius jute caused by *Macrophominaphaseolina*. *International Journal of Bioresource Science* 2(2):95-100.
23. Nongmaithem, N., Roy, A. and Bhattacharya, P.M. (2016). Screening of *Trichoderma* isolates for their potential of biosorption of nickel and cadmium. *Brazilian Journal of Microbiology* 47:305-313.
24. Nongmaithem, N., Roy, A. and Bhattacharya, P.M. (2016). In vitro antagonistic potential of *Trichoderma* sp. against *Rhizoctonia solani* under heavy metal stress. *Indian Phytopathology* 69(1):61-66.
25. Roy, A. and Bhattacharya, P.M. (2016). Shelf life of *Trichoderma harzianum* in carrier and pellet based formulation. *Journal of Mycopathological Research* 54(1): 65-70.
26. Roy, A. (2016). In vitro evaluation of some new fungicides against blast and sheath blight pathogens in rice. *Journal of Mycopathological Research* 54(1): 71-75.
27. N. Sarkar, A. Roy and P. M. Bhattacharya. (2016). Effect of microbial consortium on plant growth promotion, biochemical attributes and nutrient uptake of cabbage (*Brassica Oleracea* var. *capitata*). *The Bioscan*. 11(3): 1393-1396.
28. Roy, S.K., Chakraborty, G., Roy, A., Haque, S., Sinha, M.K., Mitra, S. and Kale, V.A. (2016). Stability for fibre yield and its component traits in tossa jute (*Corchorus olitorius* L.). *Electronic Journal of Plant Breeding* 7(3):714-716.
29. Roy, S. K., Pal, S., Ghimiray, T. S. and Roy, A. (2017). Performance of flax genotypes with respect to infestation of capsule borer, *Helicoverpa armigera* (Hubner) and other yield parameters in the hills of Darjeeling, India. *Journal of Entomology and Zoology Studies* 5(5): 276-280.
30. Pal, S., Mandal, R., Sarkar, I., Ghimiray, T. S., Sharma, B. R., Roy, A., Roy, S. K., Chakraborty, G. and Mitra, S. (2017). Species Diversity and Community Structure of Arthropod Pests and Predators in Flax, *Linum usitatissimum* L. from Darjeeling (India). *Brazilian Archives of Biology and Technology*. <http://dx.doi.org/10.1590/1678-4324-2017160492>.
31. Ashajyothi, M., Khalko, S., Jha, S., Bhattacharya, P.M. and Roy, A. (2017). Effect of New Generation Chemicals in Changing Host Physiological Traits to Manage Sheath Blight Disease Caused by *Rhizoctonia solani* Kuhn in Rice. *International Journal of Current Microbiology and Applied Sciences* 6(11): 351-357.
32. Chowdhury, A.K., Roy, A. and Chattopadhyay, C. (2017). Climate change and Plant diseases with special emphasis on cereal crops- an overview. *Satsa Mukhopatra – Annual Technical Issue* 21: 46-58.
33. Jha, S., Khalko, S., Ashajyoti, M., Bandyopadhyay, S. and Roy, A. (2017). Efficacy of combined formulations of fungicides in managing late blight disease in potato caused by *Phytophthora infestans* (Mont.) de Bary. *International Journal of Current Microbiology and Applied Sciences* 6(12): 765-771.
34. Baral, D., Roy, A., Thapa, S. and Bhutia, K.C. (2017). Development of Intraspecific Hybridization of *Pleurotus flabellatus* for Better Yield and Nutrition. *International Journal of Current Microbiology and Applied Sciences* 6(11): 735-742.
35. Nongmaithem, N., Roy, A. and Bhattacharya, P.M. (2017). Potential of *Trichoderma* spp. on Growth Promotion and Mitigating Cadmium Uptake in Rice Plant under the Metal Stress Ecosystem. *International Journal of Current Microbiology and Applied Sciences* 6(6):992-1010.
36. Sarkar, B.C., Dey, A.N., Roy, A. and Rai, B. (2017). Soil Microbial Population in Rasomati Forest of Pundibari Range, Cooch Behar, West Bengal, India. *International Journal of Current Microbiology and Applied Sciences* 6(4): 1554-1560.
37. Ambesh, B.S., Roy, A., Ngomle, S., Bhattacharya, P.M. and Meena, V.S. (2017). Isolation and Evaluation of *Azotobacter* spp. From Different Crop Rhizosphere. *International Journal of Current Microbiology and Applied Sciences* 6(4): 883-888.
38. Baral, D., Roy, A. and Thapa, S. (2018). Strain improvement in oyster mushroom (*Pleurotus* sp.) through hybridization. *The Pharma Innovation Journal* 7(4): 286-289.

39. Abhijith, M., Roy, A. and Bhattacharya, P.M. (2018). Effect of bio-inoculation on physical health of cabbage seedlings and disease dynamics of *Alternaria* leaf spot in cabbage under challenge inoculation. *Journal of Pharmacognosy and Phytochemistry* 7(1):1339-1343.
40. Mahanta, J, Bhattacharya, P.M. and Roy, A. (2018). Microbial population dynamics under organically managed rice based cropping sequence. *Journal of Mycology and Plant Pathology* 48(1):40-46.
41. Baral, D., Roy, A., Thapa, S and Chettri, D. (2018). Selection of culture media and monokaryotic isolates of *Pleurotus flabellatus* and *P. sajor caju* for their dikaryotization followed by performance testing of dikaryotic isolates on malt extract agar medium. *Current Journal of Applied Science & Technology*. 26(5):1-10.
42. Jha, S., Khalko, S., Abhijith, M., Bhattacharya, P.M. and Roy, A. (2019). Study of effect of different regimes of nitrogen on late blight of potato. *Journal of Entomology & Zoology Studies*. 7(1):918-921.
43. Chakraborty, G., Roy, S.K., Roy, A., Mitra, S., Sinha, M.K., Subhramanian, T., Sarkar, N., Das, B.C. and Haque, S. (2019). Management of Mesta YVMV vector (*Bemisia tabaci* Genn.) through some latest molecules in sub-Himalayan region of North East India. Conference paper presented in International Conference on Emerging Trends in Production, Processing and Utilization of Natural Fibres. Book of papers Vol. 1 pp. 150-154.
44. Chowdhury, A.K., Bhattacharya, P.M., Roy, A., Bandyopadhyay, S., Chakraborty, B.N., Chakraborty, U. and Ninawe, A.S. (2020). Entrepreneurship Development through Rural Bio-Resource Complex with Adoption of Integrated Farming with Mushroom, Aquaculture, Organic Farming and Value Addition in North Bengal Region of West Bengal. *International Journal of Current Microbiology and Applied Sciences* 9(11):xx-xx
45. Meena, P.N., Roy, A., Satpathy, S. and Mitra S. (2021). Efficacy of strobilurin, triazole and propylene bis-dithiocarbamate fungicides against *Macrophomina phaseolina* (Tassi) goid of jute. *Indian Phytopathology*. <https://doi.org/10.1007/s42360-021-00318-2>.
46. Chattopadhyay, N., Kumar, A., R. Mandal, Roy, A., Bhattacharya, P.M. and Chowdhury, A.K. (2021). Weather-based models to forecast spot blotch disease (*Bipolaris sorokiniana*) of wheat (*Triticum aestivum*) in North Bengal. *The Indian Journal of Agricultural Sciences* 91(7):1082-1087.
47. Chattopadhyay, N., Mandal, R., Nath, S., Rout, S., Roy, A., Bhattacharya, P.M. and Chowdhury, A.K. (2022). Comparative gene expression analysis of wheat with special emphasis on myeloblastosis protein transcript in *Bipolaris sorokiniana*-wheat interaction. *Journal of Mycopathol. Research* 60(2) : 187-196.
48. Buthe, M., Sarkar, I., Kishore, B.G., Maitra, S., Khan, A.M., Chatterjee, R. and Roy, A. (2022). Effect of Organic Nutrients on Growth and Flowering Attributes of African Marigold (*Tagetes erecta* L.) under Terai Region of West Bengal. *International Journal of Environment and Climate Change* 12(11): 1473-1483.
49. Chattopadhyay, N., Shukla, K.K., Birah, A., Khokhar, M.K., Kanojia, A.K., Nigam, R., Roy, A. Bhattacharya, B.K. (2023). Identification of Spectral Bands to Discriminate Wheat Spot Blotch using in Situ Hyperspectral Data. *Journal of the Indian Society of Remote Sensing* 51(5):917–934.
50. Roy, S.K., Thapa, B., Vishnupriya, S., Maying, B., Sur, B., Chakraborty, M., Hijam. L., Rout, S., Das, S., Roy, A. and Chakraborty, G. (2024). Variability and multivariate analysis in white jute (*Corchorus capsularis* L.) for yield attributing traits and biotic stress components. *Plant Archives* 24(1):243-258.
51. Book chapters:
52. S. K. Roy, K. K. Goswami, S. Mitra, M. K. Sinha, A. Roy, G. Chakraborty, H. S. Das, D. Lalchuanawma and A. Saha. (2008). Stability for fibre yield and component traits in tossa jute (*Corchorusolitorius* L.). In: *Jute and Allied Fibres, Production, Utilization and Marketing*, Book No. ISBN: 978-81-901054-4-6
53. G. Chakraborty, A. Roy and S. K. Roy. (2008). Evaluation of IPM strategies for increasing productivity of Jute fibre in terai region of West Bengal. In: *Jute and Allied Fibres, Production, Utilization and Marketing*, Book No. ISBN: 978-81-901054-4-6.
54. G. Chakraborty, S.K. Roy, A. Roy, S. Mitra, M.K. Sinha, T. Ramasubramanian, N. Sarkar, B. Das and S. Haque (2009). Management of mesta YVMV vector (*Bemisiatabaci*Genn.) through some latest molecule in the sub – Himalayan region of North East India. Book of papers of The International

- Conference on Emerging Trends in Production, Processing and Utilisation of Natural Fibres held at Mayfair, Worli, Mumbai, India from 16-18 April, 2009 .
55. Sarkar, Debabrata & Kharbikar, Lalit & Roy, Ayon & Kar, Chandan & Kundu, Avijit & Sinha, Mohit & Mahapatra, Bikas. (2009). Jute biotechnology roadmap: present status and emerging trends. 116-125.
  56. Debnath, A., Roy, A. and Bhattacharya, P.M. (2012). Trichoderma in Plant Health Management. In *Biology of Plants and Microbes*. Eds. Bose, D. and Roy, S. ISBN-978-93-80663-63-0. p 270-297.
  57. Bhattacharya, A. and Roy, A. (2016). Seedling biopriming- A module based system approach for organic vegetable cultivation. In Chowdhury, A. et al. eds. *Bioresource in North Bengal and its utilization*. pp. 41-48.
  58. Roy, A. and Bhattacharya, P.M. (2016). Exploring plant growth promoting microbes for sustainable farming system in 21st century. In Chowdhury, A. et al. eds. *Bioresource in North Bengal and its utilization*. pp. 49-55.
  59. Chatterjee, R., Roy, A. and Thirumdasu, R.K. (2017). Microbial inoculants in organic vegetable production: Current Perspective. Zaidi, A. and Khan, M.S. (eds). *Microbial Strategies for Vegetable Production*. Springer International Publishing DOI 10.1007/978-3-319-54401-4\_1.
  60. Chattopadhyay, C., Roy, A. and Birah, A. (2016). Technological Excellence in Integrated Crop Health Management: An affordable option in India. *Agriculture Today* pp. 192-195.
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## 7. Ph.D Guidance

AREA OF INTEREST	:		
RESEARCH SUPERVISION	:	M.Sc (Ag. )	01
RESEARCH SUPERVISION	:	Ph.D	02

### Doctoral Thesis

1.

### Master Thesis

1.

**8. Any other relevant information (regarding achievement by the individual)**