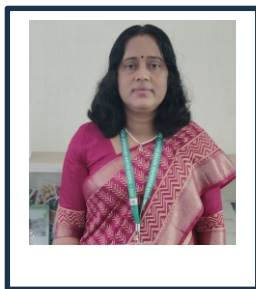


RESUME**Name :Dr. Anamika Debnath****Designation: Assistant Professor****CONTACT DETAILS**

PHONE NO. :9474827173

E-MAIL ID:dr.anamikadebanth@rediffmail.com

Or anamikamam.cob@gamil.com

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

2. DATE OF BIRTH : 12.01.1982

3. Academic Qualification :

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	W.B.B.S. E	---	1998	83.75%	1 st	---
Higher Secondary	W.B.B.H.S.E.	---	2000	80.50%	1 st	---
Graduation	U.B.K.V.	---	2004	81.30%	1 st	---
Master Degree	U.B.K.V.	----	2006	86.50%	1 st	Plant Pathology
Doctoral Degree	U.B.K.V.	---	2010	88.60%	1 st	Plant Pathology

4. Award for PhD Thesis : NA

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

Sl. No.	Employer	Post held	Pay scale	Period of employment		Actual duration
				From	To	
1	Vice Chancellor, Uttar Banga Krishi Viswavidyalaya	Assistant Professor (Stage I)	15600-39100/- AGP 6000	30.12.2014	29.12.2018	4 years
2.	Vice Chancellor, Uttar Banga Krishi Viswavidyalaya	Assistant Professor (Stage II)	15600-39100/- AGP 7000/-	30.12.2018	till date	6 and ½ years
3.						
4.						
5.						

Research trial conducted by Dr. Anamika Debanth

Sl. No.	Research trial
1	Screening of turmeric germplasm against diseases
2	Evaluation of turmeric for tolerance to foliar diseases
3	Efficiency of different fungicide against leaf spot disease of ginger including new molecules
4	Survey and identification of disease-causing organisms in turmeric and screening of turmeric germplasm against disease
5	Evaluation of turmeric for tolerance to foliar diseases
6	Effect of PGPR biocapsule on growth and yield of turmeric
7	Effect of PGPR biocapsule on growth and yield of ginger
8	Ginger Germplasm collection, characterization, evaluation and conservation
9	Turmeric Germplasm collection, characterization, evaluation and conservation
10	Black Pepper Germplasm collection, characterization, evaluation and conservation
11	Management of Bacterial wilt of ginger through chemicals and bioagents
12	CVT on ginger: Ginger tolerance to disease 2019
13	Survey and Isolation of <i>Trichoderma</i> sp. & <i>Pseudomonas fluorescens</i>
14	Priming of rhizomes for enhanced germination, vigour and storage rot suppression in Turmeric
15	Priming of rhizomes for enhanced germination, vigour and storage rot suppression in Ginger
16	Survey and Isolation of <i>Trichoderma</i> sp. & <i>Pseudomonas Fluorescens</i>
17	Biological control of plant disease using antagonistic organisms in brinjal
18	Spray schedule optimization of effective insecticides for shoot borer (<i>Conogethes punctiferalis</i>) in ginger
19	Assessment of nematicide for the management of root lesion nematodes, <i>Pratylenchus</i> spp., infecting turmeric.
20	Evaluation of consortia (<i>B. safensis</i> , <i>B. amyloliquefaciens</i> , <i>Raoultella terrigena</i> , & <i>Acinetobacter</i> sp.) for growth promotion and rhizome rot suppression in ginger
21	CVT on ginger 2013
22	CVT on turmeric 2013
23	CVT on ginger 2015
24	CVT on Turmeric 2016
25	IET on Ginger 2016
26	IET on Turmeric 2016

b. As Unit Head : N.A.

c. As Establishment Head : N.A.

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/MM /YYYY)	To (DD/MM /YYYY)		
Bio-efficacy and phytotoxicity studies of <i>Bacillus amyloliquifaciencens</i> (NALMCC SB 0075) late blight disease of potato.	PI	28.03. 2024	Dec. 2024	Coromandel International Limited	6,00000.00
Evaluation of Bioefficacy, Phytotoxicity and Residue analysis of PMT 60 formulation against the early blight and late blight of tomato crops	PI	28.03. 2024	Dec. 25	M/s Chemley Agritech Private Limited	3,08000.00

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/MM /YYYY)	To (DD/MM /YYYY)		
Evaluation of new fungicides offering better chemical management of plant disease	Co-PI	01.04. 2017			
Bioefficacy, Phytotoxicity and Residue Studies of some New Generation Fungicides on different Crops against some important Diseases	Co-PI	Dece mber 2018			
ICAR -AICRP on Biological Control	Associated Scientist	26.12. 2018		ICAR	
“Evaluation of efficacy and phytotoxicityof Oxathiapiprolin 0.6w/w WG (R2Y13) against late blight of	Co-PI	Octob er 2019			

Title of the project	Capacity (PI/ Co-PI or other)	Period		Sponsoring / Funding organization	Amount of Fund mobilised (Rs. In lakhs)
		From (DD/MM /YYYY)	To (DD/MM /YYYY)		
potato (<i>Phytophthora infestans</i>)					
“Bio-efficacy, Phytotoxicity and residue study of Mancozeb 40% +Azoxystrobin7% OS against some important diseases of Paddy, Chilli and Tomato”	Co-PI	June 2020			
““Bio-efficacy, Phytotoxicity and residue study of some products on Rice, Groundnut, Chilli and Maize against some important diseases	Co-PI	January 2021			
“Bio-efficacy, Phytotoxicity and residue study of some products on Rice, Potato, Cauliflower and banana against some important diseases	Co-PI	September 2021			
ICAR-AICRP on Spices	Associated Scientist	24.05. 2022			
Bio-efficacy, Phytotoxicity studies of <i>Bacillus amyloliquefaciens</i> (NAIMCC SB 0075) against late blight disease of potato	Co-PI	January 2023			
Bio-efficacy, Phytotoxicity and residue analysis of PMT 60 against Early Blight and Late Blight disease in Tomato	Co-PI	January 2024			
Bio-efficacy, Phytotoxicity Cyflufenamid 3%+Difenconazole 12% EW against Powdery mildew (<i>Laeveillula taurica</i>), Die back and Anthracnose (<i>Colletotrichum capsici</i>) diseases in chilli	Co-PI	November 2024			
“Evaluation of new fungicide, insecticides and growth regulator offering for better chemical management of plant yield,insect and diseases	Co-PI	July 2025			
“Collectivized Natural Farming in India: A new	Co-PI	July 2025			

Title of the project	Capacity (PI/ Co-PI or other)	Period		Sponsoring / Funding organization	Amount of Fund mobilised (Rs. In lakhs)
		From (DD/MM /YYYY)	To (DD/MM /YYYY)		
model for fertilizer free agriculture”					

II. TEACHING EXPERIENCE

Sl. No.	Item	Details	Years
1.	Graduation level		2015 to till date
2.	Masters’ level		2015 to till date
3.	Doctoral level		2015 to till date
4.	Ph.D Student Guidance		2018 to till date
5.	M.Sc. Student Guidance		2017 to till date
6.	Innovation of Teaching Methods		---

a) Professional Trainings

Details of the programme	Level (Local / National / International)	Period	
		From (DD/MM/YYYY)	To (DD/MM/YYYY)
Training at national level			
Training course on “ Fungal diversity and modern trends in taxonomy through DNA barcoding and Chemo-profiling ” held at centre of Advanced Faculty training, Division of Plant Pathology, ICAR- Indian Agricultural Research Institute, New Delhi 110012 from to, 2016.	National	26 th September,2016	16 th October,2016
Online Training course on “ Data Digitalization and Visualization ” by ICAR-Indian Institute of Spice Research, Kozhicode from 22-24 February,2022.	National	22 th February,2022	24 th February,2022
21 days winter school on “ Emerging Problem & Recent advances in Applied Sciences: Basic to Molecular Approaches ” held online mode organized by Astha Foundation, Meerut, U.P. India from 26 th February to 28 th March, 2023.	National	26 th February 2023.	28 th March, 2023.

Attended 7 days International Capacity Development Training Program on Research Methodology & Data Analysis using ‘R’ Programming from January 12 th to 18 th , 2025 organized by Society of Agricultural Research , Applied Environment Science, India in collaboration with Centurian University of Technology and Management, Odisha, India and EDICT, Bahrain Polytechnic, Isa Town, Bahrain IUBAT Bangladesh, Al- Iraqiya University, Baghdad, Iraq	National	January 12 th 2025	January 18 th 2025
Attended 21 days winter school on “Impact of climate change on agriculture and allied sector: adaptation and mitigation towards sustainability and livelihood security” from 14 th February to 6 th March, 2025 at Uttar Banga Krishi Viswavidyalaya, Cooch Behar, West Bengal	National	14 th February 2025	6 th March 2025
Training at International level: NA			

b) Seminars/Symposiums/Workshops: Annexure I

Details of the programme	Period	
	From	To
Presented a paper entitled “Standardization of index based on screening technique for <i>Trichoderma</i> spp. against <i>Rhizoctonia solani</i>” in National Symposium on ‘Plant Protection: Technology Interface’, organized by Association for Advancement in Protection at Bidhan Chandra Krishi Viswavidyalaya, Kalyani, Nadia, West Bengal.	December 28 th and 29 th . 2007	
Presented a paper entitled “Symptomatological variation of rhizome rot-wilt complex disease of ginger under terai agro-ecological region of West Bengal” in National Workshop on Production, Processing, and Marketing of Spices and Aromatic Plants. at Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar, West Bengal	January 16-17, 2008.	

Presented a paper entitled “ Enhancement of antagonistic potential against <i>Macrophomina phaseolina</i> through chitin amendment in formulated biomass of <i>Trichoderma spp.</i> ” in national symposium on “Diversity and Functionality of Plant and Microbes” organized by Department of Botany, University of North Bengal at University of North Bengal	January 24-25,2008	
Presented a paper entitled “ Selection of Efficient <i>Trichoderma</i> isolates against <i>Rhizoctonia solani</i> and enhancement of its efficacy through amendments ” conference and symposium on “Microbial Wealth –Plant Health”, organized by Department of Botany, University of North Bengal and India Society of Mycology and Plant Pathology at University of North Bengal,	October 23 to 25, 2009.	
Presented a paper entitled “ Effect of chitin and ammonium sulphate as amendments for enhancement of antagonistic potential of <i>Trichoderma spp.</i> against <i>Rhizoctonia solani</i> ” in 96 th Indian Science Congress, at North Eastern Hill University, Shillong,	January 3 to 7, 2009.	
Presented a paper in seminar on “Trends in Microbiology”, at ABNS College, Cooch Behar	December 20 to 21,2009.	
Presented a paper entitled “ Effect of amendments on biocontrol potentiality and plant growth promoting activity of <i>Trichoderma spp.</i> ” in National Seminar on “Safe Food for All” at Vswa- Bharari, Sriniketan,	February 21-23, 2012.	
Presented a paper entitled “ Study on the shelf life of the <i>Trichoderma</i> isolate in talc, prills, vermicompost, sago and dalia based formulation ” National symposium on “ Biotic and Abiotic stresses on plants under changing climate scenario”,organized by Department of Plant Pathology, UBKV and India Society of Mycology and Plant Pathology at UBKV, Cooch Behar	November 29 to 30,2012	
Author of the paper presented entitled “ Role of ecological requirements of agriculturally important microbes in their enhanced performance under Terai Agro- ecological region of West Bengal ” at ABNS College, Cooch Behar	December 20 to 21,2009.	
Participated in 26 th Annual Workshop of ICAR-AICRPon Spices at IISR Kozhicode, Kerela	October 4-7, 2015	
Presented a paper entitled “ Improving seedling health of bell pepper (<i>Capsicum annum</i> L.) by plant growth promoting microorganisms. ” in National Conference on “Bioresources Management for sustenance of Ecosystem and Livelihood” at Uttar Banga Krishi Viswavidyalaya organized by Cooch Behar Association for Cultivation of Agricultural Sciences	26-29 th November, 2015.	

(COBACAS) in collaboration with Uttar Banga Krishi Viswavidyalaya,		
Participated in a paper presentation entitled “ Biological control in 21st century: Opportunities and challenges in subsistence farming system of India ” in 6 th International conference on “Plant Pathogens and People Challenges in Plant Pathology to Benefit Humankind” at New Delhi organized by Indian Phytopathological Society,.	23-27 th February, 2016	
Participated in 27 th Annual workshop of ICAR-AICRP on Spices from 23.10.2016 to 26.10. 2016 at ICAR NRCS Ajmer, Rajasthan		
Presented a paper entitled “ Improving seedling health of cucumber by plant growth promoting microorganisms. ” in 1 st Regional Science and Technology Congress-2016 at Jalpaiguri organized by Ananda Chandra College, Jalpaiguri, sponsored and supported by Department of Science and technology, Government of West Bengal	November 7-8 th , 2016.	
Presented a paper entitled “ Efficacy of different fungicide against leaf spot disease of ginger including new molecules ” in the 12 th National symposium on “Biotic Stress Management Strategies: Challenges and Environmental Harmonization” at Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar organized by Society of Plant Protection Sciences, ICAR-NCIPM, Pusa Campus, New Delhi-110012 in collaboration with Uttar Banga Krishi Viswavidyalaya	17-19 th February, 2017.	
Presented a paper entitled “ Evaluation of turmeric for tolerance to foliar diseases ” in International Conference on “Contemporary Issues in Integrating Climate- The Emerging Area of Agriculture, Horticulture, Forestry, Engineering Technology, Applied Science and Business management for sustainable development (AGROTECH-2017)” at Kalimpong Science Centre, Kalimpong, organized by Himalayan Scientific Society for Fundamental and Applied Research in collaboration with Kalimpong Science Centre, Kalimpong and U.B.K.V.	11-12 th May, 2017	
Participated in 28 th Annual Workshop of ICAR-AICRP on Spices held organized by Dr. Y.S.R. Horticultural University, Guntur, Andhra Pradesh	9-12, October, 2017	
Participated in 29 th Annual Workshop of ICAR-AICRP on Spices organized by Dr. Y. S. Parmar University of Horticulture & Forestry, Solan, Himachal Pradesh	4- 6 th October 2018	

Participated in 30 th Annual Workshop of ICAR-AICRP on Spices organized by Tamil Nadu Agriculture University, Coimbatore, Tamil Nadu	13- 16 th November 2019	
Presented a paper entitled “ To study the effect of different organic package of practice in Terai region of West Bengal ” in National Seminar on “cultivation, conservation and sustainable utilization of medicinal plants for livelihood improvement” at Uttar Banga Krishi Viswavidyalaya organized Department of Forestry,Uttar Banga Krishi Viswavidyalaya	20-21 st November,2019.	
Participated in 4 th Regional Science and Technology and Biotechnology Congress-2019 organized by Alipurduar Collage in collaboration with Department of Science and Technology and Biotechnology Govt of W.B. on “ Evaluation of turmeric germplasms for yield and resistance to foliar diseases in Terai Region of West Bengal. ”	18-19 th December, 2019.	
Participated in 27 th West Bengal State Science and Technology Congress-2020 organized by Department of Science and Technology and Biotechnology Govt of W.B. on “ Evaluation of turmeric germplasms for yield and resistance to foliar diseases in Terai Region of West Bengal. ”	28-29 th February, 2020.	
Participated in 31 st Annual Workshop of ICAR-AICRP on Spices on virtual mode	29 – 30 September 2020	
Participated in 32 nd Annual Workshop of ICAR-AICRP on Spices on virtual mode	22 – 24 September 2021	
Participated in the SYMSAC X an International Symposium on Spices as Flavours, Fragrances & Functional Foods held at ICAR - Indian Institute of Spices Research, Kozhikode, India on virtual mode and has made a Poster presentation.	09-12 February 2021	
Participated in National Seminar on Horticulture for sustainable development , nutritional and livelihood security at Uttar Banga Krishi Viswavidyalaya on on “ Evaluation of turmeric germplasms for yield and resistance to foliar diseases ” organized by National Agricultural Higher Education Project , Uttar Banga Krishi Viswavidyalaya.	26.05.2022 to 27.05.2022	
Participated in XXXIII Annual Group Meeting of ICAR–All India Coordinated Research Project on Spices at Acharya Narendra Deva University of Agriculture & Technology, (ANDUA&T), Kumarganj, Ayodhya (UP).	13 - 15 October 2022	
Participated in 6 th International Symposium on Minor Fruits, Medicinal & Aromatic Plants: Health, Wealth &	24.11.2022 to 26.11.2022	

Sustainability at Uttar Banga Krishi Viswavidyalaya on “ Identification and Evaluation of antagonistic potential of different fluorescent Pseudomonads in northern plains of West Bengal ” organized by Uttar Banga Krishi Viswavidyalaya and Society of minor fruits, medicinal and aromatic plants & Cooch Behar association for cultivation of agricultural science, UBKV, Pundibari		
National seminar on Climate resilient and Input efficient Agriculture for Food and Nutritional security at Uttar Banga Krishi Viswavidyalaya by Director of Research, UBKV, Pundibari on Identification, characterization and evaluation of antagonistic potential of different fluorescent Pseudomonads “	January 19-20, 2023	
5 th regional Science and technology congress 2022-23 organized by Cooch Behar Panchanan Barma University and Department of Science and Technology and Biotechnology Government of West Bengal at Cooch Behar Panchanan Barma University on Identification, characterization and evaluation of antagonistic potential of different fluorescent Pseudomonads “	17 to 18 th January, 2023	
Participated in XXXIV Annual Group Meeting of ICAR–All India Coordinated Research Project on Spices at UHS College of Horticulture, Bengaluru, Karnataka,	30.10.2023 – 01.11.2023	
Participated in the 6 th National Conference on “Nature Based Solution for Achieving Sustainable Development Goal” at U.B.K.V., Pundibari jointly organized by Uttar Banga Krishi Viswavidyalaya & Cooch Behar association for cultivation of agricultural science, UBKV, Pundibari	March 05-06, 2024	
Participated in XXXV Annual Group Meeting of ICAR–All India Coordinated Research Project on Spices is scheduled at Hisar, CCS Haryana Agriculture University	15 th October to 17 th October, 2024.	

c) Seminars/Symposiums/Workshops organized: NA

Details of the programme	Period	
	From	To

IV. Extension Experience

a) Participatory Research

Title of Technology	Methods Adopted	Individual/Collaborative
Field demonstration of turmeric variety Uttar Rangini	FLD	Collaborative

b) Technology Developed

Category of achievement	Title	Year	Additional information, if any
Variety	Ginger variety Mohini	2018	
Variety	Turmeric variety Uttar Rupanjana	2018	
Variety	Turmeric variety Uttar Rangini	2021	
Package of practice	Since cabbage is cultivated during winter (October–November) in the place where ginger is proposed to be planted in the next season, cabbage may be cultivated and after harvest the leaves and roots are to be incorporated into soil by ploughing. After this the beds are prepared and solarized by polythene mulching for about 15-30 days. Planting with rhizome should be done after solarization. This technology has been well adopted by the farmers after demonstrated.	2015	
Package of practice	Application of Hexaconazole @ 0.1% or 0.1% Propiconazole first at disease appearance and repeat at 20 days interval produced the lowest leaf spot disease severity and repeat at 20 days interval.	2016	

V) Other academic related experiences

Sl. No.	Other academic experiences
1	
2	
3	
4	
5	
6	
7	
8	

Sl. No.	Other academic experiences
9	

B. Administrative Experience :NA

Sl. No.	Name of the Post	Nature of Work	Duration	Organization	Remarks
1					
2.					
3.					
4.					

6. LIST OF PUBLICATION

Journal Papers

1. **Debnath, A.**, Bondyopadhyay, S., and Dutta. S. (2009).Symptomatological variation of rhizome rot-wilt complex disease of ginger under terai agro-ecological region of West Bengal.*Environment & Ecology* **27(1):**1-4 (ISSN No. **0970-0420**).
2. **Debnath, A.**, Bondyopadhyay, S., and Dutta. S. (2010). Bio- control options for management of rhizome rot-wilt complex disease of ginger in terai agro-ecological region. *Ann. pl. protec. Sci.* **18(1):**193-196 (ISSN No. **0971-3573**).
3. Sharma, B. R., Dutta, S., Roy, S., **Debnath, A.** and Roy, M. De. (2010). The Effect of Soil Physico-chemical Properties on Rhizome Rot and Wilt Disease Complex Incidence of Ginger Under Hill Agroclimatic Region of West Bengal. *Plant Pathol. J.* **26(2)** : 198-202 (eISSN No. **2093-9280**, p ISSN No. **1598-2254**)
4. **Debnath, A.** Roy, A., and Bhattacharya, P.M. (2011). Standardization of index based on screening technique for *Trichoderma* spp. against *Rhizoctonia solani*. *Journal of Mycology and Plant Pathology* **41(2)**: 200-206 (ISSN No. **0971-9393**).
5. **Debnath, A.**, Bondyopadhyay, S., and Dutta. S. (2011). Correlation studies including physico-chemical properties of ginger soils from different locations of Cooch Behar and rhizome –rot and wilt disease severity of ginger. *J. of Mycopathol. Res.* **49(2)**: 367-368 (ISSN No. **0971- 3719**).

6. **Debnath, A.** Roy, A., and Bhattacharya, P.M. (2012). Effect of amendments on biocontrol efficacy of *Trichoderma* spp. and its subsequent effect on seedling growth *International journal of Bioresource and stress management* **3(2):**206-210 (ISSN NO. **Print 0976-3988, Online 0976-4038**)
7. Bandyopadhyay, S. Rai, B. and **Debnath, A.** (2015). Efficacy of different fungicides against leaf spot disease of ginger. *The Bioscan* **10** (4) (suplment on plant pathology): 1783-1786 (ISSN No. **0973-7049**).
8. Roy, M.K. Hembram, S. **Debnath, A.** (2015). Effect of different media and pH on growth and sporulation of different native *Trichoderma* spp. *The Bioscan* **10** (4) suplment on plant pathology 1833-1837(ISSN No. **0973-7049**).
9. Bandyopadhyay S. ,Chakraborty S., Datta, S. **Debnath, A.** Roy M.K. and Haque, S. (2016). Conservation and evaluation of turmeric germplasm in Terai region of West Bengal, India. *Eco. Env. & Cons.***22** (April Suppl): 8299-8302. (ISSN No. **0971-765X**).
10. Chakraborty,S., Dutta S., **Debnath A.**, Bandopadhyya S., Roy M.K. and Haque S. (2016) Evaluation of turmeric germplasm for tolerance to foliar diseases in terai region of West Bengal. *International Journal of Agricultural Science and Research* Vol. **6**, Issue 4, Aug 2016, 61-68 (ISSN(P): 2250-0057; ISSN(E): 2321-0087)
11. Chakraborty,S., Dutta S., **Debnath A.**, Bandopadhyya S., Roy M.K. and Haque S.(2017). Evaluation of some turmeric genotypes in terai Region of West Bengal *International Journal of Science, Environment and Technology*, Vol. **6**, No 2, 2017, 1065 – 1070 ISSN 2278-3687 (O) 2277-663X (P)
12. Chakraborty,S., Dutta S., Jana. J.C., **Debnath A.**, Roy M.K. and Haque S. (2017) Effect of different micronutrients on turmeric variety Suranjana in terai region of West Bengal *Int.J.Curr.Microbiol. App. Sci.*, **6(5): 1471-1482**
13. Sharma. B.S., **Debnath A.**, Ali. S.S., Baskey. S., Thapa. A. and Datta. S. (2017) Identification and characterization of different pathogens associated with the Rhizome Rot and wilt disease complex of ginger in Darjeeling Himalayas. *J. Mycopathol. Res.***54 (4):517-521**
14. Khalko. S., Bandopadhyya S. and **Debnath. A.** (2017) Effect of seed bacteriarization with *Fluorescent Pseudomonads* on growth promotion of jute (*Corchorus olitorius*) in Terai zone of West Bengal *Int.J.Curr.Microbiol. App. Sci.*, **6(6):1-8**.
15. Chakraborty S., Datta S., **Debnath A.** And Roy MK (2018). Evaluation of some important ginger genotypes in Terai region of West Bengal. *International Journal of Science, Environment.* **7(2):**715-722
16. S. Chakraborty, S. Datta, A. Debnath, S. Bandopadhyya, S. Khalko, J. C. Jana and B. C. Saha (2019) Variety GCP-49 (Mohini, IC- 0614552). *Indian Journal of Genetics and Plant Breeding (The)*, **79(2):** 515 ISSN No. 0019-5200
17. S. Chakraborty, S. Datta, A. Debnath, S. Bandopadhyya, S. Khalko, J. C. Jana and B. C. Saha (2019) Variety TCP 64 (UBKV Turmeric 2: Uttar Rupanjana, IC-0615130). *Indian Journal of Genetics and Plant Breeding* **80(4):** 494 ISSN No. 0019-5200
18. N. Sarkar. R Saha. A Debnath, P.M. C and A. Roy (2020) Improving seedling health of Bell Pepper (*Capsicum annum L.*) by plant growth promoting Microorganism *Int. J. Curr. Microbiol. App. Sci.* **9 (4):**231-244
19. A. Debnath, S. Datta, S. Bandopadhyya and S. Chakraborty (2021) Variety Uttar Rangini (TCP 129, UBKV Turmeric 3: IC 0615165) *Indian Journal of Genetics and plant Breeding.*,**81(4)** :611 ISSN Print: 0019-5200 ISSN online:0975-6906
20. A. Debnath, A Roy, S, Bandyopadhyaya and P.M. Bhattacharya (2022) Studies on shelf life of *Trichoderma* isolate in talc, prills, vermicompost, sago and dalia based formulations. *Journal of Biological Control* **36** (1): 57-63 NAAS 4.99 ISSN 0971-930X

21. Ajoy Guragai, Babli Dutta, Anamika Debnath, Shrelekha Das, Yarin Toko, Sanasam Angousana, Seeram Phanindra, Samima Sultana and Sandip Hembram (2023) *In-vitro* study on the efficacy of essential oil from *Ocimum* against some plant pathogens. *The Pharma Innovation Journal* 12(9): 2374-2376 ISSN (E): 2277-7695 ISSN (P): 2349-8242 NAAS Rating: 5.23
22. Gosh S. Debnath A, Bandyopadhyaya S and Battacharya PM (2024) Identification and evaluation of antagonistic potential of different Fluorescent Pseudomonads in Northern Plains of West Bengal. *Environment and Ecology* 42(3):1060-1068
23. Raina Saha a*, Vaishnavi Kodidhala a, P. Bhaumik a, A. Debnath a and P.M. Bhattacharya In-vitro & In-vivo Studies on Antimicrobial and Plant Growth Promoting Efficacy of Fluorescent Pseudomonads *Journal of Advances in Biology & Biotechnology Volume 27, Issue 10, Page 932-950, 2024; Article no.JABB.124413 ISSN: 2394-1081*
24. Manish Kumar Agrawal , Ayon Roy, Prateek Madhab Bhattacharya, Surojit Khalko a, Anamika Debnath , Seeram Phanindra , BV Phaneendra Reddy and Swarnavo Chakraborty. Effect of Different Application Methods of Trichoderma Isolates on Growth and Disease Response against Stem and Root Rot Disease of Ground Nut Seedlings (*Arachis hypogea* L.) Incited by *Sclerotium rolfsii* *Journal of Scientific Research and Reports* Volume 31, Issue 5, Page 78-86, 2025; Article no.JSRR.134570 ISSN: 2320-0227

Book Chapter published

1. **Anamika Debnath**, Ayon Roy and P.M. Bhattacharya (2012). *Trichoderma* in Plant health management, *Biology of Plants and Microbes*, Edited by D Bose & S Roy ISBN -978-93-80663-63-0, Pages 270-297
2. **Anamika Debnath** (2016). Management of plant diseases by biological control agent under organic agriculture system. *Bioresource in North Bengal and its Utilization* Published by A.K. Chowdhury, PI, DBT funded Project Pages 22-40
3. A.K. Chowdhury, **Anamika Debnath**, A. Roy, P.M. Bhattacharya and C. Chattopadhyay (2019). Biological control in 21st century: Opportunities and challenges in subsistence farming system of India. *Microbial Antagonists: Role in Biological Control of Plant Diseases Part I Fungal* Edited by R.N. Pandey, B.N. Chakraborty, Dinesh Singh and Pratibha Sharma Today & Tomorrow's Printers and Publishers, New Delhi - 110 002, India pages 37-62
4. Saha R, Debnath, A. Roy A, Bhattacharya P.M. (2021) Pathogen Elicitors Recognition from MaMp and DAMP Perception to Induced Resistance in Plants. *Agri-India Today*. **1 (1)**: 104-113
5. S. Mukhopadhyay, K. Kundu, A. Kumar, U. Sarkar, Soumen Pati, P. Adhikary, Susmita Pati, S. Jash, S.K. Ray, A. Roy Barman, Anamika Debnath, Bholanath Mondal and Subrata Dutta (2025) Diseases of Cucurbits and Their Management. *Major Diseases of Field and Horticultural crops and Their Management* Pages 413-436 ISBN No.:978-93-94678-91-0

Research Articles / Short Notes:

0

Popular Articles:

0

Books:

0

BOOK CHAPTERS:**Book Chapter published**

6. **Anamika Debnath**, Ayon Roy and P.M. Bhattacharya (2012). *Trichoderma* in Plant health management, Biology of Plants and Microbes, Edited by D Bose & S Roy ISBN -978-93-80663-63-0, Pages 270-297
7. **Anamika Debnath** (2016). Management of plant diseases by biological control agent under organic agriculture system. *Bioresource in North Bengal and its Utilization* Published by A.K. Chowdhury, PI, DBT funded Project Pages 22-40
8. A.K. Chowdhury, **Anamika Debnath**, A. Roy, P.M. Bhattacharya and C. Chattopadhyay (2019). Biological control in 21st century: Opportunities and challenges in subsistence farming system of India. *Microbial Antagonists: Role in Biological Control of Plant Diseases Part I Fungal* Edited by R.N. Pandey, B.N. Chakraborty, Dinesh Singh and Pratibha Sharma Today & Tomorrow's Printers and Publishers, New Delhi - 110 002, India pages 37-62
9. Saha R, Debnath, A. Roy A, Bhattacharya P.M. (2021) Pathogen Elicitors Recognition from MaMp and DAMP Perception to Induced Resistance in Plants. *Agri-India Today*. **1 (1)**: 104-113
10. S. Mukhopadhyay, K. Kundu, A. Kumar, U. Sarkar, Soumen Pati, P. Adhikary, Susmita Pati, S. Jash, S.K. Ray, A. Roy Barman, Anamika Debnath, Bholanath Mondal and Subrata Dutta (2025) Diseases of Cucurbits and Their Management. Major Diseases of Field and Horticultural crops and Their Management Pages 413-436 ISBN No.:978-93-94678-91-0

7. Ph.D Guidance

AREA OF INTEREST	: Biological Control	
RESEARCH SUPERVISION	: M.Sc. (Ag.)	Completed 4, Ongoing 1
RESEARCH SUPERVISION	: Ph.D.	Completed 1, Ongoing 3

Doctoral Thesis

1. Ms. Raina Saha (2025). "Identification of Fluorescent Pseudomonads for prospective use in eastern gangetic plains of West Bengal".

Master Thesis

1. Ms. Somea Ghosh (2019). "Characterization and antagonistic potential of *Fluorescent Pseudomonas* in northern plains of West Bengal".
2. Mr. Avijit Roy (2021). "Study on Colletotrichum leaf spot resistance of turmeric (*Curcuma longa* L.)".
3. Mr. Dipayan Hazra (2023). "Evaluation of some nanoformulation against major diseases of rice".
4. Sanchari Pandit (2024). "Occurrence and management of Potato Late Blight in Terai region of West Bengal".

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

1. Second best Poster presentation in the 12th National symposium on "Biotic Stress Management Strategies: Challenges and Environmental Harmonization" "**Efficacy of different fungicide against leaf spot disease of ginger including new molecules**" at Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar organized by Society of Plant Protection Sciences, ICAR-NCIPM, Pusa Campus, New Delhi-110012 in collaboration with Uttar Banga Krishi Viswavidyalaya from 17-19th February, 2017.
2. Best Oral presentation in International Conference on "Contemporary Issues in Integrating Climate- The Emerging Area of Agriculture, Horticulture, Forestry, Engineering Technology, Applied Science and Business management for sustainable development (AGROTECH-2017)" on "**Evaluation of turmeric for tolerance to foliar diseases**" at Kalimpong Science Centre, Kalimpong, organized by Himalayan Scientific Society for Fundamental and Applied Research in collaboration with Kalimpong Science Centre, Kalimpong and U.B.K.V. from 11-12th May, 2017.
3. Outstanding paper presentation Award in 4th Regional Science and Technology and Biotechnology Congress-2019 organized by Alipurduar Collage in collaboration with Department of Science and Technology and Biotechnology Govt of W.B. on "**Evaluation of turmeric germplasms for yield and resistance to foliar diseases in Terai Region of West Bengal.**" on 18-19th December, 2019.
4. Outstanding paper presentation Award 5th regional Science and technology congress 2022-23 organized by Cooch Behar Panchanan Barma University and Department of Science and Technology and Biotechnology Government of West Bengal 17 to 18th January, 2023 at Cooch Behar Panchanan Barma University on **Identification, characterization and evaluation of antagonistic potential of different fluorescent Pseudomonads "**
5. Best participant award in 21 days winter school on "**Impact of climate change on agriculture and allied sector: adaptation and mitigation towards sustainability and livelihood security**" from 14th February to 6th March, 2025 at Uttar Banga Krishi Viswavidyalaya, Cooch Behar, West Bengal