

# Personal Profile/Curriculum vitae

**Dr. ARUP KARMAKAR**  
Assistant Professor



## Address

**Address for Communication:** Department of Botany, Bankura Sammilani College, Kenduadihi, Bankura, 722102, West Bengal.

**Permanent Address:** Vill- Malkadanga, P.O- Dhantola, P.S- Islampur Dist- Uttar Dinajpur, PIN-733213, West Bengal.

## Personal Details

**Contact Number:** 8101712861

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**Date of Birth:** 25/03/1991

**Date of Joining:** 06/09/2019

**ResearchGate Id:** <https://www.researchgate.net/profile/Arup-Karmakar>

**Vidwan Profile URL:** <https://vidwan.inflibnet.ac.in/profile/237226>

**Google Scholar Id:** <https://scholar.google.co.in/citations?user=0mWBQ-oAAAAJ>

**Scopus Id:** <https://www.scopus.com/authid/detail.uri?authorId=56754800700>

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## Educational Qualification

**M.Sc.:** Department of Botany, University Of North Bengal, 2013

**B.Ed.:** Acharya Nagarjuna University (ANU), Guntur, 2014

**PhD:** Department of Botany, University Of North Bengal, 2024

**Area of Teaching:** Botany (Plant Pathology, Plant virus, Molecular Biology, Genetics, Plant Physiology, Bio molecules, Cell Biology etc)

**Research Interest:** Botany (Plant pathology and fungal Biotechnology, Plant virus, Mushroom cultivation, Vermicomposting etc.)

**Awards and Fellowships:** UGC (BSR)-JRF, UGC (BSR)-SRF, CSIR-NET, GATE

**Member:**

- Life Member of **INDIAN PHYTOPATHOLOGICAL SOCIETY (IPS/LM/2023/2397).**
- Life Member of **ACADEMY FOR ADVANCEMENT OF AGRICULTURAL SCIENCE (AAAS/LM/2023/046).**

## Faculty Development Courses / Programs attended:

Name of the Course / Program	Venue	Duration
UGC-Sponsored Faculty Induction Programme (Online).	UGC (HRDC) Mizoram University	21 days from 6 <sup>th</sup> July 2021 to 26 <sup>th</sup> July 2021.
Refresher Course (RC) in Environment Science.	UGC (HRDC) University of Burdwan	14 days from 20 <sup>th</sup> August 2022 to 2 <sup>nd</sup> September 2022.

## **National/International Publications:**

- 1) **Karmakar, A.**, Chakraborty, P., Sarkar, T., Das, S., Saha, A., Saha, D. and Saha, A. (2016) Prevalence of begomoviruses associated with tomato leaf curl disease in the sub-Himalayan plains of West Bengal. *NBU Journal of Plant Sciences* **10**: 66-72.
- 2) Sarkar, T., **Karmakar, A.**, Saha, A., Saha, A. and Saha, D. (2018) *In vitro* bio-control of *Fusarium equiseti* infecting *Trichosanthes dioica* from sub-Himalayan, West Bengal. *Annals of Plant Protection Sciences* **26**: 222-225.
- 3) Chakraborty, P., Das, S., Saha B., **Karmakar, A.**, Saha, D. and Saha, A. (2017) *Rose rosette virus*: an emerging pathogen of garden roses in India. *Australasian Plant Pathology* **46**: 223-226.
- 4) Chakraborty, P., Das, S., Saha, B., Sarkar, P., **Karmakar, A.**, Saha, A., Saha, D. and Saha, A. (2015) Phylogeny and synonymous codon usage pattern of Papaya ringspot virus coat protein gene in sub-Himalayan region of north-east India. *Canadian Journal of Microbiology* **61**: 555-564.
- 5) Sarkar, T., Chakraborty, P., **Karmakar, A.**, Saha, A. and Saha, D. (2018) First Report of *Ascochyta medicaginicola* Causing Leaf Blight Disease of Pointed Gourd in India. *Plant Disease* **102**: 2657.
- 6) Chakraborty, P., **Karmakar, A.**, Sarkar, T., Saha A. and Saha A. (2019) First report of *Lagenaria mild mosaic virus* infecting bottle gourd in India. *Plant Disease* DOI: 10.1094/PDIS-01-19-0195-PDN.
- 7) Sarkar, T., Chakraborty, P., **Karmakar, A.**, Saha, A. and Saha, D. (2019) First Report of *Periconia macrospinoso* Causing Leaf necrosis of Pointed Gourd in India. *Journal of Plant Pathology*. <https://doi.org/10.1007/s42161-019-00348-w>.
- 8) **Karmakar, A.**, Sarkar, T., Chakraborty, P., Biswas, K. K., Saha, A. and Saha, D. (2021) Genetic variability of *Tomato leaf curl new Delhi Virus* infecting cucumber in sub-Himalayan plains in Eastern India. *International Journal of Agricultural Technology* **17**: 535-544.
- 9) Sarkar, T., Chakraborty, P., **Karmakar, A.**, Saha, A. and Saha, D. (2024) First Report of *Colletotrichum orbiculare* Causing Anthracnose of Pointed Gourd in India. *Plant Disease* **108**(9): 2929. <https://doi.org/10.1094/PDIS-07-22-1522-PDN>.
- 10) **Karmakar, A.**, Chakraborty, P., Saha, D. and Saha, A. (2024) Molecular Detection of *Tomato leaf curl New Delhi virus* Infecting Pumpkin Plants in Sub-Himalayan Plains of West Bengal. *Environment and Ecology* **42**(4): 1644-1649.

### **List of Book Chapters Published:**

1. **Karmakar, A.**, Saha, D. and Saha, A. (2020) Mini review on\_Begomoviruses infecting cultivated vegetable crops in India.“Organisms and Environment” Ed. Sarkar A. K. Educreation\_Publishing, New Delhi. Page-176-185.
2. Maji, M., **Karmakar, A.** and Mukherjee, S. K. (2023) The Medicinal Efficacy and Sustainable Uses of Tulsi (Ocimum sanctum L.) in Today’s Life. “Sustainable Development through Science, Agriculture & Social Reforms” Ed. Roy, G. C. and Sarkar A. K. Akinik Publications, New Delhi, India. 7-23.
3. Chakraborty, P., Saha, B., Tamang, S., **Karmakar, A.**, Das, S., Sarkar, T., Saha, D. and Saha, A. (2023) Management of bottle gourd leaf curl disease caused by Papaya ring spot virus using chemical inducers and phytoextracts. “Research in Emerging Fields of Biological Science” Ed. Misra, T. K. Astitva Prakashan, Chhattisgarh, India. 130-145
4. **Karmakar, A.** and Bouri, T. (2024) an overview on vermicompost and its uses in sustainable Agriculture. “Natural Resources” Ed. Sarkar, A. K. and Roy, G. K. Akinik Publications, New Delhi, India.155-170.
5. Bouri, T. and **Karmakar, A.** (2024) Natural Resources and its sustainable Management. “Natural Resources” Ed. Sarkar, A. K. and Roy, G. K. Akinik Publications, New Delhi, India. 21-40.

### **National/International seminars/conferences/workshop attended / Paper presented**

Sl No	Name of Seminar / Workshop/Symposium	Venue	Duration	State National	Nature of Participation
1	2 <sup>nd</sup> Regional Science and Technology Congress, West Bengal.	Siliguri College, Siliguri	7-8 December, 2017	State	Oral Presentation
2	Emerging Areas of Sericulture: Issues, Challenges and Industrial Application for Sustainable Development and Eco-Restoration.	Raiganj University, Raiganj	30-31 January, 2018	National	Oral Presentation

3	Plant and Wildlife's Photograph	Department of Botany, University of North Bengal	9 -10 August,2018	National	Workshop
4	Seminar on Advances in Plant Biolgy	Department of Botany, University of North Bengal	18 March, 2018	National	Participated
5	Workshop cum Seminar on "Bioresource Utilization"	Department of Botany, University of North Bengal	5 <sup>th</sup> September, 2016	National	Workshop
6	Seminar lecture on "Integrated Pest Management: a luxury or necessity?"	Department of Botany, University of North Bengal	24 <sup>th</sup> March, 2017	National	Participated
7	Cultivation of Medicinal and Aromatic Plants,	Department of Botany, University of North Bengal	10 <sup>th</sup> March, 2015	National	Workshop
8	22 <sup>nd</sup> West Bengal State Science and Technology Congress-2015	University of North Bengal	3-4 June,2015	State	Participated
9	National Seminar cum Workshop on Bioinformatics.	Department of Bioinformatics, University of North Bengal	12-14 March,2015	National	Workshop
10	Exploitation of Plant and Microbial Resources of North Bengal	Department of Botany, University of North Bengal	14-16 December, 2015	National	Workshop
11	Cultivation and Post Harvest Processing of Edible Mushrooms.	Department of Botany, University of North Bengal	29 December, 2014	National	Workshop
12	Advances in Plant and Microbial Research	Department of Botany, University of North Bengal	12-13 December, 2014	National	Participated
13	Recent Trends in Plant and Microbial Research	Department of Botany, University of North Bengal	22-23 March,2013	National	Participated
14	Exploitation of Biological Resources and application of eco-friendly cultural practices for sustainable crop production	Department of Botany, Siliguri College.	21-22 March, 2009	National	Participated

15	27 <sup>th</sup> National Children's Science Congress(NCSC-2019)	DAV Model School, Durgapur.	25 <sup>th</sup> August, 2019	National	Participated as guide
16	National Seminar on New Horizon in Botanical Research	University of North Bengal	20-21 February, 2020	National	Poster Presentation
17	International Seminar on "Microbes and Social Equity"	Department of Microbiology, Bankura Sammilani College	22-23 December, 2023	International	Oral Presentation
18	International Seminar on "Advances in plants, Microbes and Agricultural Sciences"	University of North Bengal	2-4 March, 2023	International	Poster Presentation
19	National Seminar on "Plants and its eco- system services"	Sonamukhi College, Bankura	5-6 <sup>th</sup> June, 2023	National	Oral Presentation
20	International Seminar on "Chemistry at the frontier"	Department of Chemistry, Bankura Sammilani College	10 <sup>th</sup> February, 2024	International	Oral Presentation
21	One day state level seminar on "India's freedom struggle and the santal Rebellion: Post-colonial Review"	IQAC, Bankura Sammilani College	1 <sup>st</sup> July, 2024	State level	Participated

### **Other Notable Activities**

- Worked as an Assistant Teacher from 17<sup>th</sup> January 2019 to 5<sup>th</sup> September 2019 in a Govt. sponsored school.
- Working as Programme officer of NSS unit-II of Bankura Sammilani College
- Working as Head of the Department of Department of Botany, Bankura Sammilani College