

## DR. ARPITA CHATTERJEE

### Assistant Professor (Stage III)

Ph.D. (CU, 2008)

Ph.D. (RBU, 2017);

D.Sc. (*Honoris Causa*) (CPU, USA, 2020);

Head, Department of Botany, Barasat College  
(Affiliated to West Bengal State University)

1, Kalyani Road, Nabapally, Barasat,  
Kolkata 700126, West Bengal, India

E-mail: [arpita10c@gmail.com](mailto:arpita10c@gmail.com)



#### Google Scholar ID:

[https://scholar.google.com/citations?hl=en&user=RW6NnHMAAAAJ&scilu=&scisig=AMD79oAAAAAYT2qDfivd5fcpT42lee6d8Q4ugupaoV0&gmla=AJsN-F74-SBzLG\\_taGpb2wtZT0L4Ry3-AScrzJG8z8Ju56\\_ZklmMq4rcblFmQJlcglO-8fv6AevNUxrpXNHijC3dCH3C1LOt5ZrliPFxEL0TuG18yuy1XWpe8xfeZT6cf3CJHvusD6&sciu nd=10022545978337286900](https://scholar.google.com/citations?hl=en&user=RW6NnHMAAAAJ&scilu=&scisig=AMD79oAAAAAYT2qDfivd5fcpT42lee6d8Q4ugupaoV0&gmla=AJsN-F74-SBzLG_taGpb2wtZT0L4Ry3-AScrzJG8z8Ju56_ZklmMq4rcblFmQJlcglO-8fv6AevNUxrpXNHijC3dCH3C1LOt5ZrliPFxEL0TuG18yuy1XWpe8xfeZT6cf3CJHvusD6&sciu nd=10022545978337286900)

LinkedIn: <https://www.linkedin.com/in/dr-arpita-chatterjee-22105a39>

## PROFESSIONAL/ ADMINISTRATIVE RESPONSIBILITIES

- Assistant Professor and Head, Department of Botany, Barasat College (Affiliated to West Bengal State University) from 09 April 2010 to till date.
- Internal Complaint Committee member on 'sexual harassment of women at work place' of 63 Bn Sashastra Seema Bal, Ministry of Home Affairs, Government of India, from 27<sup>th</sup> January 2021 to till date.
- Member of World Human Rights Protection Commission (WHRPC) from 01.03.2021.
- Advisory Board Member and Ethical Committee Member of Barasat Cancer Research & Welfare Centre (formerly Barasat Cancer Hospital), West Bengal, India from the year 2019.
- Secretary (Hony.) and Executive Committee member of Barasat Sahar Adhyapak-O-Gabesak Samity (BSAGS) (Govt. Regn. No. S/IL/No 92387 of 2012-2013) from 5<sup>th</sup> June 2012 to till date.
- Advisory Board Member of 'The Antioxidant Society of India' (Govt. Regd. No. S/IL/46157 of 2007-08) from 3<sup>rd</sup> January 2012 to till date.
- Principal (Hony.) and Secretary (Hony.) of Executive Committee of Ilora Kala Mandir (an Institute for dance, drama, culture, and movement therapy) (Govt. Regn. No. S/2L/4066 of 2013-2014), from 2013 to till date.

- Advisory Board Member of Performing Arts Therapy Centre, Rabindra Bharati University, West Bengal, India from the year 2008.
- Educational society member of the Greenfield Convent School, West Bengal, India from 09 June 2018 to till date.
- Lifetime Professional Member of Institute of Scholars (InSc) [An ISO 9001:2015 certified Institute by International Accurate Certification, Accredited by UASL].
- Life Member of Indian Red Cross Society from 2014.

## EDUCATIONAL QUALIFICATIONS

- ❖ Awarded **Doctor of Science (D.Sc.) degree (*Honoris Causa*)** in 2020 (date of award: 11.12.2020) in the field of **Molecular Virology** from **California Public University (USA)**.
- ❖ Awarded the degree of **Doctorate in Social Service and Environment Conservation (*Honoris Causa*)** in 2021 (date of award: 01.03.2021) from **World Human Rights Protection Commission (WHRPC)**.
- ❖ Awarded **Ph.D. degree** in 2017 (date of award: 08.05.2017) in the field of **Movement Therapy** from **Rabindra Bharati University**.  
Ph.D. Thesis Title: The relation between dance and health with special reference to Indian dance forms.
- ❖ Awarded **Ph.D. degree** in 2008 (date of award: 08.04.2008) in the field of **Molecular Virology** from **Calcutta University**.  
Ph.D. Thesis Title: Characterization of yellow vein mosaic disease of *Hibiscus cannabinus* and *H. sabdariffa* and its etiological agent.
- ❖ Completed **Internship** program on **Environmental Psychology** at Psychology Research Unit, Indian Statistical Institute in January 2021.  
Project Title: Literature review on the “Correlates of the Pro-environmental Behaviour”
- ❖ Passed **M.Sc.** [Botany] in 2000 with **69.50%** marks (1st Class) from **Calcutta University**.  
Specialization in M.Sc: **Plant Physiology, Biochemistry & Molecular Biology**.  
M.Sc. Project Title: Characterization of Urease from *Cajanas cajan* seeds: Enzyme Kinetics and Purification.
- ❖ Passed **B.Sc.** [Botany (Hons.), Zoology and Chemistry] Examination in 1998 with **64.13%** marks (1st class with 1Q marks) from **Presidency College, University of Calcutta**.

- ❖ Passed **Higher Secondary Examination** (W.B.C.S.E.) in 1995 with **75.8%** marks (1st division and star marks).
- ❖ Passed **Madhyamik Pariksha** (W.B.B.S.E.) in 1993 with **81.78%** marks (1st division and star marks).

## PATENTS PUBLISHED & GRANTED

1. Development of Indian oral cancer risk score and index. **Patent number: 2021101805.** The patent GRANTED on 12 May 2021 from AUSTRALIAN GOVERNMENT.
2. A simple, rapid and low-cost biochemical method for thalassaemia carrier detection. **Patent number: 2021104630.** The patent PUBLISHED on 27 AUGUST 2021 from AUSTRALIAN GOVERNMENT.

## TOTAL PUBLICATIONS (93)

A. Books/Edited Books:	09
B. Book Chapters:	10
C. Papers:	50
D. Reports:	04
E. Abstracts:	15
F. GenBank publications:	05

## A. BOOKS / EDITED BOOKS

1. Chatterjee A. and Chakraborty D. 2021. *Environmental Paradigm: Recent Researches & Reviews.* (Eds.). Unique Publication House. [ISBN: 978-93-916150-2-4].
2. Chatterjee A. 2021. *Pro-Environmental Behaviour.* Red'shine Publication. [ISBN – 978-93-90937-12-7].
3. Chatterjee A and Mukherjee G. 2020. *An Update on Cow Science: Anti-Microbial and Medicinal Value of Cow Urine and Cow Dung.* Harshwardhan Publication Pvt. Ltd. [ISBN – 978-81-948448-2-2].
4. Chatterjee A. 2020. *Mesta Yellow Vein Mosaic Disease.* The Print-o-Books. [ISBN – 978-81-922619-8-0].
5. Chatterjee A. 2019. *Human Leucocyte Antigens: The HLA Complex.* The Print-o-Books. [ISBN – 978-81-922610-9-7].
6. Chatterjee A, Sinha SK, Mukherjee G. 2015. *Application of PCR Techniques in Health Science.* Thr Print-O-Books. [ISBN – 978-81-922619-5-9].
7. Roy S and Chatterjee A. 2014. *An introduction to TRANSFUSION MEDICINE.* Barasat Cancer Research & Welfare Centre. [ISBN – 978-81-922619-3-5].

8. Chatterjee A and Mukherjee G. 2011. *A Handbook of Molecular Genetics for Pathologists and Practitioners*. The Print O Books. [ISBN: 978-81-922619-0-4].
9. Chatterjee A and Mukherjee G. 2010. *A hand book on 'Molecular Genetics and HLA techniques'*. Barasat Cancer Research and Welfare Centre. Barasat.

## B. BOOK CHAPTERS

10. Chatterjee A. 2021. **Gender disparity among school students in India: factors, causes & remedies**. In: Problems of Indian school children and remedies. (Eds. N. Mitra and S. Maitra). Pp 128-138. ABS Books. [ISBN: 978-93-91002-62-6].
11. Chatterjee A. 2021. **Increasing health hazards due to arsenic contamination in India**. In: Environmental Paradigm: Recent Researches & Reviews. (eds. A. Chatterjee and D. Chakraborty). Chapter 4. Pp-35-41. Unique Publication House. [ISBN: 978-93-916150-2-4].
12. Chatterjee A. 2021. **Risk of Childhood Cancer Due to Exposure of Environmental Pollution in Pregnancy**. In: Environmental Issues: A Multidisciplinary Approach. (Eds. S. Mishra and N. Mitra). Chapter 27. Pp- 245-256. ABS Books. [ISBN - 978-81-951369-6-4].
13. Chatterjee A. 2017. **Groundwater contamination and cancer incidence- a review**. In: 'Groundwater Resource Management Issues in view of Climatic Change in West Bengal, Sikkim & Andaman & Nicobar Islands'. Central Ground Water Board, Eastern Region, Govt. of India.
14. Chatterjee A and Ghosh SK. 2015. **Yellow Vein Mosaic Disease – A New Threat to Mesta (*Hibiscus sp.*) Cultivation**. In: Recent Advances in the Diagnosis and Management of Plant Diseases. (Editor- L. P. Awasthi) Chapter 13. Pp-145-162. **Springer India 2015**. [ISBN 978-81-322-2570-6; ISBN 978-81-322-2571-3 (eBook); DOI 10.1007/978-81-322-2571-3].
15. Chatterjee A. 2011. **Genomic Diversity of Mesta Yellow Vein Mosaic Virus – A Novel Old World Begomovirus**. In: Proceedings of UGC sponsored national seminar on 'Emerging Trends in Plant Science'. (Ed. Prabir Kumar Das). Pp. 139-148. Barasat Govt. College. [ISBN - 978-93-80673-52-3].
16. Chatterjee A. 2011. **Geminiviral Diversity in Eastern India**. In: Proceedings of UGC sponsored national seminar on 'Recent Advances in Plant Sciences – Diversity, Conservation & its Applications'. (Ed. Tapas K Chakraborty). Pp. 76-80. Rishi Bankim Chandra College. [ISBN - 978-81-929646-6-9].
17. Chatterjee A, Roy A and Ghosh SK. 2006. **Yellow Vein Mosaic Disease of Kenaf**. In: Characterization, Diagnosis & Management of plant viruses: Vol. 1: Industrial Crops. VI

22. (Eds. Rao GP, Paul Khurana SM, Lenardon SL). **Studium Press, Texax, USA**. pp. 497-505. [ISBN: 1-933699-31-0].
18. Das F, Sinha MK, Chatterjee A, Chakrabarty K, Pal SK and Goswami A. 2005. An antibody mediated kit development for detection of jute and other plant peroxidases. *In: Proceedings of 'The International Seminar on Frontiers of Basic & Applied Molecular Biology', Department of Biophysics, Molecular Biology & Genetics and University Science Instrumentation Centre, Kolkata*, pp 115-118.
19. Sinha MK, Chatterjee A, and Ghosh T. 2001. Roots, Periderm and Decortication of Jute. *In: Proceedings of national seminar on recent advances in Natural Fibre Research, Indian Fibre Society, Mumbai, in collaboration with CRIJAF and CIRCOT (ICAR), 15 & 16 Dec., 2004.*

### C. PAPERS

20. Chatterjee A, and Dutta Roy DD. 2021. Correlates of Pro-Environmental Behaviour – A Review and Web-Analysis. *Turkish Online Journal of Qualitative Inquiry (TOJQI)*. 12(7): 5742-5758. [e-ISSN 1309-6591].
21. Chatterjee A. 2021. The parameters of pro-environmental behaviour to overcome environmental threats in modern life. *Wesleyan Journal of Research*. 13(80): 35-42. [ISSN: 0975-1386].
22. Chatterjee A. 2021. Anticancer and anti-clastogen activities of cow urine as therapeutic agent in malignancies. *The Journal of Oriental Research Madras*. MMXXI-XCII-XIII: 48-54. [ISSN : 0022-3301].
23. Chatterjee A, Bose S, Mukherjee G and Chatterjee J. 2020. Development of Indian oral cancer risk score and index. *Annals of the Romanian Society for Cell Biology (RSCB)*. 24(2): 696 – 701. [ISSN: 1583-6258].
24. Chatterjee A and Mukherjee G. 2020. Medicinal value of cow urine – a review on cowpat. *The Journal of Oriental Research Madras*. XCI-XLIII: 75-85. [ISSN: 0022-3301].
25. Chatterjee A. 2019. The devastating *Geminiviridae* - the second largest family of plant viruses. *Journal of Emerging Technologies and Innovative Research (JETIR)*. 6(5): 2364- 2367. [ISSN-2349-5162].
26. Chatterjee A and Tarafder BK. 2019. Measuring cancer specific antigen CA-125 in patients of a tertiary health care centre. *Journal of Emerging Technologies and Innovative Research (JETIR)*. 6(5): 2360- 2363. [ISSN-2349-5162].

27. Chatterjee A and Karan TK. 2019. A five-year demographic study on infection of HIV, Hepatitis B and C in donated blood. *Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences (RJLBPCS)*. 5(2): 534-540. [ISSN- 2454-6348].
28. Chatterjee A, Sinha SK and Mukherjee G. 2018. Study on Sialic Acid as Biomarker of Cancer. *International Journal of Latest Trends in Engineering and Technology (IJLTET)*. 10 (1): 063-068. [p-ISSN : 2319-3778].
29. Chatterjee A and Sarkar S. 2016. A study on the ovarian cancer incidence in southern part of West Bengal. *European Journal of Biomedical and Pharmaceutical Sciences (EJBPS)*. 3 (5): 619-623. [ISSN 2349-8870].
30. Chatterjee A. 2016. Stress management among the corporate house workers through movement therapy. *European Journal of Biomedical and Pharmaceutical Sciences (EJBPS)*. 3 (5): 559-564. [ISSN 2349-8870].
31. Chatterjee A, Sinha SK and Mukherjee G. 2016. Study on the levels of CRP among the cancer patients before and after chemotherapy treatment. *Paripex - Indian Journal of Research (PIJR)*. 5(8): 88-89. [ISSN - 2250-1991].
32. Chatterjee A. 2016. Implementation of Dance Movement Therapy among Hearing Impaired Children— A Case Study. *Paripex - Indian Journal of Research (PIJR)*. 5(8): 69-70. [ISSN - 2250-1991].
33. Chatterjee A. 2015. A case study on immuno-modulation through movement therapy in cancer patients. *Journal of Environmental Physiology*. 4(1&2): 75-79. [ISSN 0974-7036].
34. Chatterjee A, Sinha SK and Mukherjee G. 2014. A comprehensive review on HLA and its detections by polymerase chain reaction technique. *International Journal for Pharmaceutical Research Scholars (IJPRS)*. 3(1-2): 340-346. [ISSN No: 2277 - 7873].
35. Chatterjee A. 2014. Effect of physical exercise on bone mineral density: A cross-sectional study in India. *International Journal of Osteoporosis and Metabolic Disorders*. 7(1): 12-19. [eISSN: 2077-2157; pISSN: 1994-5442].
36. Chatterjee A and Mukherjee G. 2013. Effect of radiotherapy on tissue damage, innate and humoral immunity in malignant condition. *American Journal of Biochemistry and Molecular Biology*. 3(3):336-340. [ISSN: 2150-4210].
37. Chatterjee A. 2013. Indexing of yellow vein mosaic disease of mesta (*Hibiscus cannabinus*). *Pakistan Journal of Biological Sciences*. 16(10): 477-484. [ISSN: 1028-880].
38. Chatterjee A. 2013. Improved health status through prolonged practice of dance as a therapy – A case study. *International Journal of Basic and Applied Medical Sciences*. 3(1): 180-183. [ISSN: 2277-2103].

39. Chatterjee A. 2013. Prevention of Oxidative Stress Injury among Females by Movement Therapy in India. *Journal of Medical Sciences* 13(8): 843-846. [ISSN: 1682-4474].
40. Chatterjee A. 2013. An analytical discussion on the folk and tribal dance forms of Bengal in relation to their effect on health. *Indian Journal of Arts (Discovery)*. 1(3): 29-32. [ISSN 2320 – 6659].
41. Chatterjee A. 2013. The therapeutic value of Indian classical, folk and innovative dance forms. *Rupkatha Journal on Interdisciplinary Studies in Humanities*. 5(1): 75-83. [ISSN 0975-2935].
42. Chatterjee A. 2013. Practical implementation of dance therapy in modern India. *Aureole*.4:51-55. [ISSN 0976-9625].
43. Chatterjee A and Sinha SK. 2012. Standardization of polymerase chain reaction for amplification of gemini viral DNA. *Cibtech Journal of Bio-Protocols*. 1(2-3): 28-31. [ISSN: 2319–3840].
44. Chatterjee A. 2012. Role of dance movement therapy in solving old age problems. *Ageing & Society – The Indian Journal of Gerontology*. 22(3&4): 45-53. [ISSN - 0971-8060].
45. Chatterjee A. 2012. Risk of prostate cancer in eastern India. *International Journal of Cancer Research*. 8(2): 63-68. [eISSN: 1811-9735; pISSN: 1811-9727].
46. Chatterjee A and Mukherjee G. 2012. A study on incidental profile of women cancer in West Bengal. *International Journal of Basic and Applied Medical Sciences*. 2(3): 116-119. [ISSN: 2277-2103 (Online)].
47. Chatterjee A. 2011. Study on the enraging severity of cancer in West Bengal, India from 2003 to 2011. *Asian Journal of Epidemiology*. 4(1): 23-27. [eISSN: 2077-205X, pISSN: 1992-1462].
48. Chatterjee A and Mukherjee G. 2011. Analysis of the trend of hepatitis B, hepatitis C, HIV, syphilis, and malaria infections in a rural part of West Bengal. *Asian Journal of Transfusion Science*. 5(2): 181-182. [Print ISSN: 0973-6247, E-ISSN: 1998-3565].
49. Chatterjee A and Mukherjee G. 2011. Epidemiological survey and PCR based detection of mutation for breast cancer in West Bengal, India. *Asian Journal of Microbiology, Biotechnology & Environmental Science*. 13(2): 285-288. [ISSN: 0972-3005].
50. Chatterjee A and Mukherjee G. 2011. Effect of oxidative stress injury and antioxidant status in malignancy. *Asian Journal of Water, Environment and Pollution*. 8(3): 75-78. [ISSN: 0972-9860].

51. Chatterjee A 2011. A Case Study on Immuno-Modulation through Movement Therapy in Cancer Patients. *Journal of Environmental Physiology*. 4 (1&2): 75-79. [ISSN 0974-7036].
52. Chatterjee A and Mukherjee G. 2010. Distribution and antibiotic sensitivity patterns of different uropathogens in eastern India. *Asian Journal of Microbiology, Biotechnology & Environmental Science*. 12(1): 7-10. [ISSN: 0972-3005].
53. Chatterjee A, Roy A and Ghosh SK. 2009. CAPS analysis – a possible tool to detect and group geminiviruses infecting some fibre crops and weeds. *Plant Health Progress*. DOI:10.1094/PHP-2009-0202-01-RS. [e-ISSN: 1535-1025].
54. Chatterjee A. 2009. A six-year demographic study on stomach cancer incidence in rural population of West Bengal. *Journal of Environmental Physiology*. 2 (1&2): 80-85. [ISSN 0974-7036].
55. Chatterjee A and Mukherjee G. 2009. Prevalence of  $\beta$ -haemolytic group A streptococcal sore throat in paediatric age groups. *Pollution Research*. 28 (4): 18-20. [ISSN: 0257-8050].
56. Chatterjee A. 2009. Incidence pattern of HIV, Hepatitis B, C and syphilis in rural population of West Bengal. *Environment and Ecology*. 27 (4A) 1707-1709. [ISSN 0970-0420].
57. Chatterjee A and Mukherjee G. 2009. Relationship and susceptibility of ABO blood groups with various malignant disorders found in West Bengal. *Science and Culture*. 75(3-4): 133-136. [ISSN: 0036-8156].
58. Chatterjee A and Ghosh SK. 2008. Alterations in biochemical components in mesta plants infected with yellow vein mosaic disease. *Brazilian Journal of Plant Physiology*. 20 (4): 267-275. [ISSN: 1677-9452].
59. Chatterjee A, Roy A and Ghosh SK. 2008. Acquisition, transmission and host range of a *Begomovirus* associated with yellow vein mosaic disease of mesta (*Hibiscus cannabinus* and *H. sabdariffa*). *Australasian Plant Pathology*. 37: 511–519. [ISSN: 0815-3191 (print) 1448-6032 (web)].
60. Chatterjee A and Ghosh SK. 2008. Histological changes in mesta plants infected with yellow vein mosaic disease. *Journal of Mycology and Plant Pathology*. 38: 132-134. [ISSN: 0303-4097].
61. Chatterjee A, Sinha SK and Ghosh SK. 2008. Development and utilization of diagnostics for detection of geminiviral diseases in Eastern India. *Journal of the Botanical Society of Bengal*. 62 (1): 4-7. [ISSN: 0971-2976].



62. Chatterjee A and Ghosh SK. 2007. A new monopartite begomovirus isolated from *Hibiscus cannabinus* L. in India. *Archives of Virology*. 152: 2113-2118. [ISSN: 0304-8608 (print), 1432-8798 (web)].
63. Chatterjee A and Ghosh SK. 2007. Association of a satellite DNA  $\beta$  molecule with mesta yellow vein mosaic disease. *Virus Genes*. 35: 835-844. [ISSN: 0920-8569, Electronic ISSN: 1572-994X].
64. Chatterjee A, Sinha SK, Roy A, Sengupta DN and Ghosh SK. 2007. Development of diagnostics for DNA A and DNA  $\beta$  of a *Begomovirus* associated with mesta yellow vein mosaic disease and detection of geminiviruses in mesta (*Hibiscus cannabinus* L. and *H. sabdariffa* L.) and some other plants. *Journal of Phytopathology – Phytopathologische Zeitschrift*. 155: 683–689. [Online ISSN:1439-0434].
65. Chatterjee A, Roy A and Ghosh SK. 2007. First record of a *Begomovirus* associated with yellow vein mosaic disease of *Urena lobata* in India. *Australasian Plant Disease Notes*. 2(1): 27–28. [ISSN: 1833928X].
66. Chatterjee A and Ghosh SK. 2007. Seasonal variation of whitefly population and its management to prevent the spread of yellow vein mosaic disease in mesta. *Journal of Mycopathological Research*. 45(2): 189-194. [ISSN: 0971-3719].
67. Chatterjee A, Roy A, Padmalatha KV, Malathi VG and Ghosh SK. 2005. Occurrence of a *Begomovirus* with yellow vein mosaic disease of mesta (*Hibiscus cannabinus* and *H. sabdariffa*). *Australasian Plant Pathology*. 34(4): 609-610. [ISSN: 0815-3191 (print) 1448-6032 (web)].
68. Chatterjee A, Gayen S, Sinha MK and Goswami A. 2004. *In vitro* propagation of jute plants. *Plant Cell Biotechnology and Molecular Biology*. 5 (3&4): 169-172. [ISSN: 9722025].
69. Chatterjee A and Mukherjee S. 2003. Characterization of urease from *Cajanas cajan* seeds: enzyme kinetics and purification. *Journal of the Botanical Society of Bengal*. 57(1&2):1-6. [ISSN: 0971-2976].

#### **D. REPORTS**

70. Chatterjee A. 20018. Incidence pattern of different types of cancer in rural population of southern part of West Bengal. *Cancer Reports*. 3 (2): 5-6.
71. Ghosh R, Chatterjee A, Paul S, Roy A and. Ghosh SK 2007. A new begomovirus of mesta crop in India. *ICAR News*. 13 (3): 15.
72. Chatterjee A, Roy A and Ghosh SK. 2006. A new virus disease of *Urena lobata* L. *Jaf News*. 4 (1): 10.

73. Chatterjee A, Roy A, and Ghosh SK. 2004. A *Begomovirus* – the incitant of yellow vein mosaic disease of mesta. *Jaf News*. 2 (2): 16.

## E. ABSTRACTS

74. Chatterjee A. 2021. Information science and education in new normal. *In: Proceedings of UGC CPE funded National Seminar on ‘Prospect of Library Services in e-Learning Ecosystem’, 16th January 2021, organized by Barrackpore Rastraguru Surendranath College, pp 95-99.*
75. Chatterjee A. 2020. Involvement of women in science in India. *In: Proceedings of ‘National Science Day’, 27 February 2020, East Calcutta Girls’ College, West Bengal.*
76. Chatterjee A. 2019. Geminiviral populations infecting cash crops in eastern India. *In: Proceedings of XIX International Plant Protection Congress, IPPC 2019, 10-14 November 2019, ICRISAT, Hyderabad, Telangana, India.*
77. Chatterjee A. 2019. The implementation of movement therapy for physical and mental well-being. *In: Proceedings of ‘1<sup>st</sup> Conference & Workshop on Music Therapy’, 10 May 2019, organized by Thakur’s Music Movement Therapy Research Centre (TMMTRC), West Bengal.*
78. Chatterjee A. 2017. Begomoviral diversity on Eastern India. *In: Proceedings of national seminar on ‘Recent Advances in Biological Sciences’, 17-18 February 2017, Gurudas College in collaboration with IICB, Jadavpur and Dum Dum Motijheel College, Kolkata.*
79. Chatterjee A. 2016. Role of Indian Spices in Prevention of Cancer. *In: Proceedings of national seminar on ‘Medicinal Plants, Health and Environment’, 9-10 September 2016, APC College, New Barrackpore in collaboration with Bajkul Milani Mahavidyalaya.*
80. Chatterjee A. 2016. Detection of Geminiviral Populations in Southern Part of West Bengal. *In: Proceedings of national Conference on ‘Biophysics: Impact on Today’s Society’, 7-8 September 2016, Victoria Institution (College) in collaboration with Bangabasi Morning College, Kolkata.*
81. Chatterjee A. 2013. Detection of Geminiviral Populations in Southern Part of West Bengal. *In: Proceedings of seminar on ‘Botanical Products in Human Welfare’, 11 January 2013, Ramkrishna Mission Vivekananda Centenary College, Rahara, West Bengal.*
82. Chatterjee A. 2011. Genomic Diversity of *Mesta Yellow Vein Mosaic Virus* – A Novel Old World *Begomovirus*. *In: Proceedings of national seminar on ‘Emerging Trends in Plant Science’, 14-15 July, Barasat Govt. College and Indian Statistical Institute.*

83. Chatterjee A. 2011. Severity of Hepatitis B and C virus in rural population of West Bengal. *In: Proceedings of national level seminar-cum-workshop on 'Awareness Campaign & Workshop for Destructive Diseases among Backward & Minority Communities of Eastern India', 24-25 March, Barasat College, West Bengal.*
84. Chatterjee A. 2011. Geminiviral Diversity in Eastern India. *In: Proceedings of national seminar on 'Recent Advances in Plant Sciences – Diversity, Conservation & its Applications', 18-19 November, Rishi Bankim Chandra College in collaboration with Department of Botany, West Bengal State University.*
85. Chatterjee A. 2011. The diversity of Begomovirus populations infecting fibre crops in India. *In: Proceedings of national seminar on 'Biodiversity – Crisis, Conservation & Management', 8-9 December, East Calcutta Girls' College.*
86. Chatterjee A and Ghosh SK. 2006. Differential biochemical responses in mesta plants infected with a *Begomovirus*. *Journal of Mycopathological Research*. 44 (1): 158.
87. Chatterjee A, Roy A, Padmalatha KV, Malathi VG and Ghosh SK. 2005. Yellow vein mosaic disease of kenaf (*Hibiscus cannabinus*) and roselle (*H. sabdariffa*) – a new disease in India caused by a *Begomovirus*. *Indian Journal of Virology*. 16 (1&2): 55-56.
88. Chatterjee A, Sinha MK and Goswami A. 2002. Deciphering the mechanism of tissue culture in a quasi-natural system. *In: Proceedings of international symposium on plant biodiversity: conservation and evaluation, 17-20 December, Bose Institute, Kolkata.*

## F. GENBANK PUBLICATIONS

89. Accession No. **EF373060**. Mesta yellow vein mosaic virus-associated DNA-A isolate Barrackpore. 2007. Chatterjee A and Ghosh SK.
90. Accession No. **EF362801**. Mesta yellow vein mosaic virus isolate Barrackpore coat protein (AV1). 2007. Chatterjee A and Ghosh SK.
91. Accession No. **DQ908905**. Mesta yellow vein mosaic virus-associated DNA beta (partial sequence) isolate Barackpore. 2006. Chatterjee A and Ghosh SK.
92. Accession No. **DQ298138**. Mesta yellow vein mosaic virus isolate Basirhat coat protein (AV1). 2005. Chatterjee A, Roy A and Ghosh SK.
93. Accession No. **DQ298137**. Mesta yellow vein mosaic virus-associated DNA beta isolate Basirhat. 2005. Chatterjee A, Roy A and Ghosh SK.

## RESEARCH PROJECTS COMPLETED

Title of the project: Study on the seasonal variation of whitefly population and its correlation with geminiviral diversity in eastern India  
Funding agency: UGC Minor Research Project (University Grant Commission, India)  
Period: 13.03.2012 to 12.03.2014 (2 Years)

## REVIEWER OF JOURNALS

Acted as reviewer of journals:

- International Research Journal of Gastroenterology and Hepatology
- South Asian Journal of Parasitology
- Asian Journal of Research and Reports in Hepatology
- Journal of Pharmaceutical Research International

## EDITOR OF JOURNALS

- Subject Editor of the 'Journal of Biological Records' (New Swertia Publications – ISSN 2456-3331) from 15<sup>th</sup> July 2021.
- Editor of the 'Journal on Social Science and Humanities' (published by Technoarete Group) from 23<sup>rd</sup> August 2021.

## RESEARCH INTERESTS

- ❖ Studies on the genomic and biochemical markers, and epidemiological studies of different types of cancer and allied health hazards.
- ❖ Studies on genomic diversities of geminiviruses infecting different cash crops and weeds in Eastern India.
- ❖ Demographic study on different sexually transmitted diseases in the donated bloods.
- ❖ Studies on different environmental issues, environmental pollutions, environmental health, nature conservation and awareness generation.
- ❖ Application of movement therapy on the physical and mental health of different populations, including cancer and diabetes patients, autism, mental retardation, gerontology, stress management, drug addiction, slum dwellers, children in captive lives, visually and hearing impaired children, other psycho-somatic diseases, etc.
- ❖ Theoretical and practical aspects of girls' education and gender equality in education, and awareness generation.

## RESEARCH EXPERIENCES

- Over 11 years research experience in various fields of plant biology, cancer biology and allied health science, and practical implementation of movement therapy in different populations.
- Over two years work experience in the field of **Cancer Biology** as Scientific Officer at Department of Research and Development, Barasat Cancer Research and Welfare Centre, Banamalipur, Barasat, Kolkata, India (year 2007- 8<sup>th</sup> April 2010).
- Over four years' research experience in the field of **Molecular Plant Virology** at Plant Virus Laboratory and Biotechnology Unit, Central Research Institute for Jute and Allied Fibres (CRIJAF), Barrackpore, Kolkata, India (year 2003-2007).
- Over two years' research experience in the field of **Molecular Biology and Tissue Culture** in a collaborative project (NATP: RRPS-27) between CRIJAF and Indian Statistical Institute (ISI), Kolkata, India (year 2001-2003).
- Nearly one-year research experience in the field of **Protein chemistry, Enzyme kinetics and Purification** at Plant Physiology and Biochemistry Laboratory, Dept. of Botany, Ballygunge Science College, Kolkata, India (year 2000-2001).

## AWARDS AND HONORS

- ❖ Received “**Outstanding Contribution to Women Education**” certificate in ‘**World Leadership Conclave 2021**’, on 14<sup>th</sup> August 2021, from MSME Development Institute (Micro, Small & Medium Enterprises), Govt. of India and Global Triumph Foundation.
- ❖ Received “**Iconic Women of the Year Award**” under ‘**Global Eminence Award 2021**’ for eminent contribution in development of innovative systems for achieving excellence in a super specialized educational field, from Bestow Edutrex International on 31<sup>st</sup> July 2021.
- ❖ Received “**Best Women Faculty of the Year Award (Science)**” under ‘**International Inspirational Women Awards 2021**’, on 1<sup>st</sup> May 2021, from GISR Foundation.
- ❖ Received ‘**Top 50 Influential Personalities of India 2021**’ in the category of “**Social Welfare Influencer of India**”, from G-Town Society.
- ❖ Received “**Asian Education Awards**” in the category of ‘**Dynamic Professor of the Year**’ at AEA Conference 2021, organized by Kites Productions.
- ❖ Received “**Distinguished Professor, Scientist & Social Activist**” for the outstanding performance & contribution in the respective domain areas, on 26<sup>th</sup> April 2021, from Bestow Edutrex International.

- ❖ Received “**Academic Excellence Award 2021**” in recognition of valuable contribution to the academic community and the students’, on 12<sup>th</sup> April 2021, from Institute of Scholars (InSc) [An ISO 9001:2015 certified Institute by International Accurate Certification, Accredited by UASL].
- ❖ Received “**Global Faculty Award**” for extraordinary teaching acumen, unstoppable educator’s spirit, remarkable professional skills & contribution in the field of education; on 4<sup>th</sup> April 2021, from AKS Education Awards.
- ❖ Received “**International Researcher Award**” in ‘recognition for the Outstanding Contribution and dedication in the field of Research’, on 20<sup>th</sup> March 2021, from Prashas Trust Awards Committee and Central Christian University, Malawi.
- ❖ Received “**Best Innovative Researcher Award**” under ‘**Best Achiever Award– 2021**’, on 12<sup>th</sup> March 2021, from Magic Book of Record.
- ❖ Received “**Global Women Inspiration Award**” in recognition of outstanding example in advancing opportunities for women in leadership and demonstrating corresponding and measurable success, from the organising committee of ‘Global Women Inspiration Awards & Conclave 2021’ and selected in the 100 Inspirational Women of the Year 2021’, on the occasion of International Women’ Day on 8<sup>th</sup> March 2021, from 'I CAN Foundation'.
- ❖ Received certificate of “**Exemplary Leadership in Education**” as “Outstanding Assistant Professor for Managing Mental Health of Students during Covid-19 Era” on 7<sup>th</sup> March 2021, from World Education Leaders Summit & Awards 2021 organized by INCEED and SPACE.
- ❖ Received “**Best Innovative Researcher Award**” under ‘**Best Achiever Award– 2021**’, on 12<sup>th</sup> March 2021, from Magic Book of Record.
- ❖ Received “**Educationist & Social Activist Award**” under ‘**Star Excellence Award – 2021**’, on the occasion of National Science Day on 28<sup>th</sup> February 2021, from The Antioxidant Society of India.
- ❖ Received “**Fame Icon Awards 2021**” in the category of ‘**International Fame Icon for Research Excellence and Educationist**’, on 27<sup>th</sup> February 2021, from Brand Opus, India.
- ❖ Received “**Best Woman Scientist Award**” under the category of ‘Cancer Biology and Molecular Virology’, on 15<sup>th</sup> February 2021, from Novel Research Academi. Puducherry, India.
- ❖ Received “**Innovative Research National Award - 2021**” (for valued contribution in various fields), achieved **Excellence in Academic**, on 13<sup>th</sup> February 2021, from Harshwardhan Publication Pvt. Ltd., Maharashtra.

- ❖ Received “**Jibon Kriti Samman**” (for the devotion and great contribution in every field of life) from Culture Lovers Association, Kolkata, on the occasion of Republic day, 26<sup>th</sup> January 2021.
- ❖ Received “**Seva Ratna Award 2021**” (for the extraordinary contribution in COVID-19 pandemic and distinguished social services) from BSAGS (An International forum for Researchers, Professors and Educationists) on the occasion of National Youth Day on 12th January 2021.
- ❖ Received “**Eminent Researcher Award**” under ‘**Global Eminence Award 2020**’ for outstanding dedication and commitment, from Bestow Edutrex International LLP on 31<sup>st</sup> December 2020.
- ❖ Received “**Serai Bojhe Serar Samman**” from CLA as Principal of Ilora Kala Mandir on 2020.
- ❖ Received “**Bishesh Smarak**” from Satyabharati as Principal of Ilora Kala Mandir on 2019.
- ❖ Received “**Sanmanona Jyapon**” from Paribortan Charitable Trust as Principal of Ilora Kala Mandir on 2018.
- ❖ Received “**Jiban Kriti Samman**” from CLA as Principal of Ilora Kala Mandir on 2017.
- ❖ Received “**Ajao Samman**” from CLA as Principal of Ilora Kala Mandir on 2017.
- ❖ Received “**Naba-Pathikrit Samman 2016**” (for initiating social movements and awareness in new dimension) from Ilora Kala Mandir, Kolkata.
- ❖ Received “**Sarod-O-Dip Samman 2013**” from Cultural Lovers Association, Kolkata.
- ❖ Received **ICAR Research Associateship** (2004).
- ❖ Received **ICAR Senior Research Fellowship** (2002).
- ❖ Qualified **GATE-2002** in Life Sciences with 69.38 percentile score.
- ❖ Awarded **National Scholarship** in B.Sc. (Hons.) Examination from National Scholarship Scheme of Govt. of India, 1998-99.
- ❖ Awarded **National Scholarship** in the Higher Secondary Examination from West Bengal in 1995.
- ❖ Awarded **National Scholarship** in the Madhyamik Pariksha from West Bengal in 1993.

## **MEMBERSHIP IN PROFESSIONAL COMMITTEES**

- Member of Governing Body of Gobardanga Hindu College as University Nominee (Ref.No. WBSU/IC/ GHC/GB/50/17 dated 03.03.2017) from 2017 to till date.

- Member of Undergraduate Board of Studies for Microbiology of West Bengal State University (Ref.No. WBSU/IC/BOS(UG)/271(8)/12 dated 31.08.2012) from 2012-2017.
- Member of Governing Body of Derozio Memorial College as University Nominee (Ref.No. WBSU/IC/ GB/154/2011 dated 13.06.2012) from 2012-2017.
- Member of Governing Body of Kalinagar Mahavidyalaya as University Nominee (Ref.No.WBSU/IC/GB/257/2012 dated 30.08.2012) from 2012-2015.
- Member of Governing Body of Vivekananda College as University Nominee (Ref.No. WBSU/IC/GB/370/2011dated 21.12.2011) from 2011-2016.

## **GOVERNANCE RESPONSIBILITIES SERVED**

1. Acted as Judge in District Student-Youth Science Fair 2013, organized by Youth Services Department, Government of West Bengal.
2. Acted as evaluator of the 12<sup>th</sup> Regional level selection test of West Bengal Regional School Service Commission, on 2013.
3. Acted as a Member of Interview Board of North 24 Parganas District Primary School Council, West Bengal Board of Primary Education, on 2013.
4. Acted as exhibitor in the exhibition on “Unnayaner pathe manusher sathe” organized by Education Directorate (Higher), Govt. of West Bengal, held on 5-22 May 2013.
5. Acted as Judge in District Science Fair 2012, organized by Barrackpore Rastraguru Surendranath College in collaboration with Youth Services Department, Government of West Bengal.

## **PROFESSIONAL COURSES COMPLETED**

1. Faculty Development Program on “Precision Medicine” organized by School of Biotechnology and Bioinformatics, D.Y. Patil Deemed to be University, Navi Mumbai, from 19<sup>th</sup>-23<sup>rd</sup> January, 2021.
2. Faculty Development Program on “Environmental Pollution - Sustainable Technologies for its Control (EP-STC)” organized by Chemistry Division of Department of Basic Sciences and Humanities, GMR Institute of Technology, Rajam 19-21 October, 2020.
3. Professional Development Programme for Faculty Members, organised by IQAC, Krishnagar Women's College, held on 12<sup>th</sup> September, 2020.
4. Faculty Development Program on ‘Recent Trends in Life Sciences’, organized by Barasat College, from 7-20 September 2020.
5. Digital modules of “Recombinant DNA Technology webinar series”, organized by Merck High-End Skill Development Centre, a CSIR-IMTech Initiative (Ministry of Science & Technology, Govt. of India), conducted in May-June, 2020.



6. Faculty Development Program on ‘Interdisciplinary Research: Need and Relevance in Science and Technology’, organized by RKDF University, Bhopal, from 01-05 September 2020.
7. Faculty Development Program on ‘An Insight into The Research Methodology in Social Science’, organized by IQAC Cell, Barasat College, from 24th-28th August 2020.
8. Refresher course on ‘Research Methodology: Tools and Techniques’, organized by Human Resource Development Centre, Mizoram University (Sponsoring Agency: UGC), from 7-20 July 2020.
9. E-Workshop on “Statistical Modelling through R” Organized by Department of Computer Science, Physics and IQAC, Prasanta Chandra Mahalanobis Mahavidyalaya in collaboration with Department of Statistics, West Bengal State University, held on 23rd to 27th June 2020.
10. Faculty Development Program on “E-Pathshala: A Platform for Online Learning”, organized by Dept. of Commerece (Accounting and Finance) & Dept. of Business Administration, Prince Shri Venkateshwara Arts & Science College, on 22<sup>nd</sup> June 2020.
11. Refresher course on life science, organized by Academic Staff College, Jadavpur University (Sponsoring Agency: UGC), from 02.01.2017 to 21.01.2017.
12. Refresher course on life science, organized by Academic Staff College, Calcutta University (Sponsoring Agency: UGC), from 22.11.2013 to 13.12.2013.
13. Orientation Course organized by Academic Staff College, Calcutta University (Sponsoring Agency: UGC), from 03.09.2012 to 29.09.2012.
14. Training course on ‘Principles and techniques of DUS testing of jute varieties, organized by Division of Crop Improvement, from on 4-7 July 2006.
15. National workshop-cum-training on ‘Role of Bioinformatics in Agriculture’, organized by Central Research Institute for Jute and Allied Fibres, Barrackpore, Kolkata. held on March 19-24, 2005

### **FDP / SSDP CONDUCTED AS CONVENOR/COORDINATOR**

- Student’s Skill Development Programme on ‘**Medicinal Plants and Phytoremediation**’, organized by Department of Biochemistry, RVSCAS, Tamilnadu and Department of Botany, Barasat College, West Bengal, sponsored by DBT Star Scheme, New Delhi, India, held on 27-31 August 2021.
- Faculty Development Program on ‘**Recent Trends in Life Sciences**’, organized by Barasat College, held on 7-20 September 2020.

## WEBINAR CONDUCTED AS CONVENOR/COORDINATOR

1. One-Day Webinar on '**Intellectual Property Rights In India – Issues & Challenges**', organized by Barasat College, on 12th December 2020.
2. One-Day National Level Webinar on '**Lockdown Situation: Man vs. Machine**', organized by Barasat College, on 23rd August 2020.
3. One-Day State Level Webinar on '**Protection of women against sexual harassment at workplaces and educational institutions**', organized by Barasat College, on 20th August 2020.
4. One-Day National Level Webinar on '**Online marketing in post pandemic situation**', organized by Barasat College, on 17th August 2020.
5. One-Day State Level Webinar On '**A new approach to teaching and learning during COVID19: Scopes and challenges**', organized by Barasat College, on 10th August 2020.
6. Two-Day International Webinar on '**The New Normal in Consumer Behaviour**', organized by Barasat College, on 7th - 8th August 2020.
7. One-Day International Webinar on '**Overview of Clinical Trials**', organized by Department of Botany, Barasat College, on 4th August 2020.
8. One-Day National Level Webinar on '**Valuing health damage due to arsenic in the groundwater of India**', organized by Barasat College, on 2nd August, 2020.
9. One-Day National Webinar on '**HIGS strategies for crop improvement**', organized by Department of Botany, Barasat College, on 31st July, 2020.
10. One-Day National Webinar on '**Awareness on Cyber Crime: know-how to defend yourself**', organized by Barasat College, on 25th July 2020.
11. One-Day International Webinar on '**Living with the “perfect beast”: the new mixoplankton paradigm in marine ecology**', organized by Department of Botany, Barasat College, on 23th July 2020.
12. One-Day International Webinar on '**Microbial Control Strategies**', organized by Department of Botany, Barasat College, on 12th July 2020.
13. One-Day National Level Webinar on '**Stem Cell Research: Premises and Promises**', organized by Department of Botany, Barasat College, on 7th July 2020.
14. One-Day National Level Webinar on '**Cancer: King of Maladies**', organized by Department of Botany, Barasat College, on 2nd July 2020.
15. One-Day National Level Webinar on '**Plant Virus: Disease, Detection and Management**', organized by Department of Botany, Barasat College, on 28th June 2020.
16. One-Day Webinar on '**Psychological Impact of COVID19**' organized by Department of Botany, Barasat College, on 22nd June 2020.

## **AWARENESS PROGRAM ON YOUTUBE**

1. Awareness Program on ‘Medicinal Plant in Prophylaxis and Treatment of Covid -19’ on 27 August 2021: <https://youtu.be/rpSnovwXya4>
2. Awareness Program on ‘Geminiviridae: the devastating plant virus family’ on 23 February 2021: <https://youtu.be/7FJR5unaBLg>
3. Awareness Program on ‘Health Aspect’ on 11 December 2020: <https://youtu.be/3ysWfGJpbw0>
4. Awareness Program on ‘Nature Conservation’ on 28 July 2020: <https://youtu.be/SM0xOXdBtt0>
5. Awareness Program on “Students’ Health in COVID19 Situation – Part 2: Physical Health” on 18 June 2020: <https://youtu.be/uRT4mh2BBwU>
6. Awareness Program on “Students’ Health in COVID19 Situation – Part 1: Mental Health” on 13 June 2020: <https://youtu.be/Wgt6FOIpXfo>
7. Awareness Program on ‘World Environment Day 2020’ – “Sobujer Avijan” on 5 June 2020: <https://youtu.be/dVqsDkx18IQ>

## **INVITED LECTURES/ CHAIRING THE SESSION**

1. Lecture on “Prospect of Medicinal Plant in Prophylaxis and Treatment of Covid -19” in the National Level ‘Student’s Skill Development Programme’ on ‘Medicinal Plants and Phytoremediation’, organized by Department of Biochemistry, Rathnavel Subramaniam College of Arts & Science, Tamilnadu and Department of Botany, Barasat College, West Bengal, sponsored by DBT Star Scheme, New Delhi, India, held on 27 August 2021.
2. Lecture on “Science: today and tomorrow” under International Conference on ‘Science & Society’, organized by The Antioxidant Society of India, on the occasion of National Science Day on 28<sup>th</sup> February 2021.
3. Lecture on “Geminiviridae: the devastating plant virus family” in the National Level Virtual FDP on ‘Prospects and Retrospects in Life Science’, organized by Department of Biochemistry, Rathnavel Subramaniam College of Arts & Science, Coimbatore, sponsored by DBT Star Scheme, New Delhi, India (held on 22 February 2021).
4. Lecture on “Students health in COVID-19 situation – A teacher’s perspective” in the DBT Outreach Programme on ‘Health Aspect’ organized by Department of Biochemistry, Rathnavel Subramaniam College of Arts & Science, Coimbatore, sponsored by DBT Star Scheme, New Delhi, India (held on 11 December 2020).
5. Lecture on “Plant as Natural Antioxidant” in the National Webinar on ‘Natural Antioxidants: Source & Need’ organized by The Antioxidant Society of India (held on 22nd November 2020).

6. Lecture on “Teacher-Student Relation in COVID-19 Situation” in the National Webinar on ‘Life in COVID-19’ organized by The Antioxidant Society of India (held on 23rd August 2020).
7. Lecture on “Need of Organ Donation and International Organ Donation Day” in the International webinar on ‘Life Saves Life’ organized by BSAGS (held on 13th August 2020).
8. Lecture on “World Nature Conservation Day” in the International webinar on ‘Save Nature – Save Life’ organized by BSAGS (held on 28th July 2020).
9. Lecture on “Social responsibilities in COVID 19 situation” in the International webinar on ‘Live and Let Live’ organized by BSAGS (held on 22 July 2020).
10. Lecture on “Life style and prevention of cancer” in the ‘Cancer Awareness Programmes’ organized by Barasat Cancer Research & Welfare Centre (held on 12 October 2019).
11. Lecture on “Cervical Cancer” in the ‘Cancer Detection Camp’ organized by Barasat Cancer Research & Welfare Centre (held on 22 May 2019).
12. Lecture on “Cancer Prevalence in Rural Populations” in the ‘Cancer Awareness and Detection Programmes’ organized by Barasat Cancer Research & Welfare Centre (held on 26 August 2018).
13. Lecture on “Cancer Epidemics: Today and Tomorrow” in the ‘Cancer Awareness and Detection Programmes’ organized by Barasat Cancer Research & Welfare Centre (held on 25 March 2018).
14. Lecture on “Cancer Epidemics” in the ‘Cancer Awareness Camp’ organized by Barasat Cancer Research & Welfare Centre (held on 16 November 2016).
15. Lecture on “Cancer epidemics” in the awareness programme on ‘Cancer’ organized by Gobardanga Hindu College (held on 15 November 2016).
16. Lecture on “Cancer prevalence” in the ‘Cancer Awareness Seminar and Camp’ organized by Barasat Cancer Research & Welfare Centre (held on 15 November 2016).
17. Lecture on “Women Cancer” in the ‘Cancer Awareness Programme at Haroa’ organized by Barasat Cancer Research & Welfare Centre (held on 18 September 2016).
18. Lecture on “Combating diseases related to life-style habits and pollution” in the ‘20th National Exhibition’ organized by Central Calcutta Science & Culture Organisation for Youth (Held on 12 August 2016).
19. Lecture on “Preventive Oncology” in the ‘Cancer Awareness Programmes’ organized by Naba Barrackpur Prafulla Chandra Mahavidyalaya (Held on 24 March 2014).

20. Lecture on “Environmental Pollution” in the ‘The World Environment Day’ organized by Indian Red Cross Society (held on 5 June 2013).
21. Lecture on “Breast Cancer Epidemics” in the ‘Cancer Awareness Programme on special concentration to Breast Cancer’ organized by Barrackpore Rastraguru Surendranath College (held on 4 March 2013).
22. Lecture on “Breast and Cervical Cancer” in the ‘Cancer Awareness & Detection Programmes’ organized by Barasat Cancer Research & Welfare Centre (held on 23-24 February 2013).
23. Lecture on “Diabetes Prevention” in the ‘Diabetes Awareness and Screening’ organized by Barasat Sahar Adhyapak-O-Gabesak Samity, hosted by West Bengal State University (held on 11 February 2013).
24. Lecture on “Role of Molecular Markers on Cancer Prevention” in the ‘World Cancer Day Celebration’ organized by Indian Medical Association in collaboration with Barasat Cancer Research & Welfare Centre (held on 4 February 2013)
25. Lecture on “Cancer: Cause & Prevention” in the ‘Cancer Awareness & Detection Programmes’ organized by Barasat Cancer Research & Welfare Centre (held on 30 January 2013).
26. Lecture on “Pollution and Cancer” in the ‘Cancer Awareness & Detection Programmes’ organized by Barasat Cancer Research & Welfare Centre (held on 11 January 2013).
27. Lecture on “Women Cancer” in the ‘Cancer Awareness & Detection Programmes’ organized by Barasat Cancer Research & Welfare Centre (held on 28 December 2012).

## **PAPERS PRESENTED IN CONFERENCES/ SEMINARS**

1. Presented a paper entitled “Online education: merits and demerits” in the UGC CPE funded National Conference on ‘eLearning Experiences: Apps & Tools’, organized by Barrackpore Rastraguru Surendranath College, held on 27th February, 2021.
2. Presented a paper entitled “Information science and education in new normal” in the UGC CPE funded National Seminar on ‘Prospect of Library Services in e-Learning Ecosystem’, organized by Barrackpore Rastraguru Surendranath College, held on 16th January, 2021.
3. Presented a paper entitled “Involvement of women in science in India” in the National Seminar on ‘National Science Day’, organized by East Calcutta Girls’ College, held on 27 February 2020.

4. Presented a paper entitled “Geminiviral populations infecting cash crops in eastern India” in the XIX International Plant Protection Congress, IPPC 2019, organized by ICRISAT, Hyderabad, Telangana, India and International Association of Plant Protection Sciences, held on 10-14 November 2019.
5. Presented a paper entitled “Effective Teaching in College level” in the NAAC Sponsored National Seminar on ‘Innovative Pedagogy & Effective Teaching’, organized by Department of B.Ed. and IQAC, Gobardanga Hindu College, held on 27-28 February 2019.
6. Presented a paper entitled “Plant viruses: past, present and future” in the seminar on ‘Developments in plant science’, organized by Barasat College, held on 14 September 2018.
7. Presented a paper entitled “Theoretical and practical approaches in CBCS in botany” in the seminar on ‘Introduction of CBCS system in UG botany’, organized by Barasat College, held on 06 September 2018.
8. Presented a paper entitled “Need of hour in new system of education” in the State level seminar on ‘The introduction of CBCS and its indispensability under present academic conditions’, organized by IQAC, Gobardanga Hindu College, held on 08 May 2018.
9. Presented a paper entitled “Groundwater contamination and cancer incidence- a review” in the workshop on ‘Groundwater Resource Management Issues in view of Climatic Change in West Bengal, Sikkim & Andaman & Nicobar Islands’, organized by Central Ground Water Board, Eastern Region, Govt. of India, held on 21 March 2017.
10. Presented a paper entitled “Begomoviral Diversity on Eastern India” in the national seminar on ‘Recent Advances in Biological Sciences’, organized by Gurudas College in collaboration with IICB, Jadavpur and Dum Dum Motijheel College, Kolkata, held on 17-18 February 2017.
11. Presented a paper entitled “Lifestyle and Health” in the seminar on ‘The Changing Dimensions of Science Today’, organized by Barasat College, held on 20 December 2016.
12. Presented a paper entitled “Herbal drugs in modern life” in the seminar on ‘Bring nature to your home’, organized by Barasat College, held on 17 December 2016.
13. Presented a paper entitled “Role of Indian Spices in Prevention of Cancer” in the UGC sponsored national seminar on ‘Medicinal Plants, Health and Environment’, organized by APC College, New Barrackpore in collaboration with Bajkul Milani Mahavidyalaya, held on 9-10 September 2016.
14. Presented a paper entitled “Detection of Geminiviral Populations in Southern Part of West Bengal” in the UGC sponsored National seminar on ‘Biophysics: Impact on

Today's Society', organized by Victoria Institution (College) in collaboration with Bangabasi Morning College, Kolkata, held on 7-8 September 2016.

15. Presented a paper entitled "Combating diseases related to life-style habits and pollution" in the 20th National Exhibition, organized by Central Calcutta Science & Culture Organisation for Youth, held on 12 August 2016.
16. Presented a paper entitled "Environmental Health" in the seminar on 'Environment & Health', organized by Barasat College, held on 28 March 2014.
17. Presented a paper entitled "Detection of Geminiviral Populations in Southern Part of West Bengal" in the State level seminar on 'Botanical Products in Human Welfare' in the occasion of Celebration of 150th Birth Anniversary of Swami Vivekananda, organized by Department of Botany, Ramkrishna Mission Vivekananda Centenary College, Rahara, held on 11 January 2013.
18. Presented a paper entitled "Cancer: Epidemics, Cause and Prevention" in the Cancer Awareness and Screening Program, organized by Barasat Sahar Adhyapak-O-Gabesak Samity, held on 29 August 2012.
19. Presented a paper entitled "The diversity of Begomovirus populations infecting fibre crops in India" in the UGC sponsored National seminar on 'Biodiversity – Crisis, Conservation & Management', organized by Department of Botany & Chemistry, East Calcutta Girls' College, held on 8-9 December 2011.
20. Presented a paper entitled "Geminiviral Diversity in Eastern India" in the UGC sponsored National seminar on 'Recent Advances in Plant Sciences – Diversity, Conservation & its Applications', organized by Department of Botany, Rishi Bankim Chandra College in collaboration with Department of Botany, West Bengal State University, held on 18-19 November 2011.
21. Presented a paper entitled "Genomic Diversity of *Mesta Yellow Vein Mosaic Virus* – A Novel Old World *Begomovirus*" in the UGC sponsored National seminar on 'Emerging Trends in Plant Science', organized by Barasat Govt. College and Indian Statistical Institute, held on 14-15 July 2011.
22. Presented a paper entitled "Severity of Hepatitis B and C virus in rural population of West Bengal" in the National level UGC sponsored seminar-cum-workshop on 'Awareness Campaign & Workshop for Destructive Diseases among Backward & Minority Communities of Eastern India', organized by Barasat College, held on 24-25 March 2011.
23. Presented a paper entitled "Differential biochemical alterations in plants infected with a Begomovirus" in International symposium on 'Agriculturally important Microorganisms: Conservation, Utilization, Bioremediation and Ecological Significance' organized by Indian Mycological Society, Kolkata, held on 23-25 February, 2006.

24. Presented a paper entitled “Biochemical alteration in jute plants infected with MeYVMV” in National Seminar on Plant Physiology, organized by Department of Botany, University of Pune and Indian Society for Plant Physiology, New Delhi, held on December 27-29, 2004.
25. Presented a paper entitled “Yellow vein mosaic disease of Kenaf and Roselle- infecting by a Begomovirus” in National Symposium on ‘Molecular Diagnostics for the Management of Viral Diseases’, organized by Plant Virology Unit, Division of plant Pathology, IARI, New Delhi in collaboration with Indian Virological Society, New Delhi, held on 14-16 October 2004.
26. Presented a paper entitled “Antibody mediated Kit on jute peroxidase” in International Seminar on ‘Frontiers of Basic & Applied Molecular Biology’, organized by Department of Biophysics, Molecular Biology & Genetics and University Science Instrumentation Centre, Calcutta University, held on 9-11 January 2003.
27. Presented a paper entitled “Tissue culture of Jute” in International Symposium on ‘Plant Biodiversity: Conservation and Evaluation’, organized by Bose Institute, Kolkata, held on 17-20 December 2002.
28. Presented a paper entitled “Roots, Periderm and Decortication of Jute” in National Seminar on ‘Recent Advances in Natural Fibre Research’ organized by Indian Fibre Society, Mumbai, in collaboration with CRIJAF and CIRCOT (ICAR), held on 15 & 16 December 2001.

## **ACHIEVEMENTS AS AN EDUCATOR**

- Introduced Honours subject in the Barasat College as Departmental Head of Botany in the year 2012, and served every responsibility to run the curriculum.
- Acted special responsibility in community education system to spread knowledge among college students and others.
- Associated with many NGOs and other organizations to spread knowledge among general people.
- Regularly arrange awareness program for Girls’ education and actively involved in Gender Equality Programs organized by Govt. and Non-Govt. sectors.

---

***Dr. Arpita Chatterjee***  
***October 2021***