

# Curriculum vitae



## **Dr Goutam Ghosh**

Associate Professor

Department of Botany

Bejoy Narayan Mahavidyalaya

Itachuna, Hooghly- 712147

West Bengal, India

**Phone No.** +91-3213-272275 (Office)

**Mobile No.** +91-8282953633 (Request)

**Fax No.** +91-3213-272237 (Request)

**Email:**goutamghosh@bnmv.ac.in

Total number of publications: 11

Date of Birth: 24<sup>th</sup> January, 1975  
Date of joining in College service: 05<sup>th</sup> September, 2008.  
Religion: Hindu  
Nationality: Indian

**Residence:** Radhey Krishna Residency,  
Flat No BB, 3<sup>rd</sup> Floor, Block-B,  
94A, Dr. Suresh Chandra Banerjee Road,  
P.S.: Beliaghata  
Dist.: Kolkata  
West Bengal, India  
PIN code: 700010

**Educational qualification** Ph. D. in Ecology, Visva-Bharati University, West Bengal in collaboration with Department of Forestry, North Eastern Regional Institute of Science and Technology (NERIST), Arunachal Pradesh in 2006. M. Sc. in Botany with Specializing in Cyto-genetics from Nagpur University, Maharashtra, 1999 and; B.Sc. (Hons.) in Botany from Krishna Nath College, Berhampore affiliated to Calcutta University, 1995; Higher Secondary from Amtala High School (H.S.), Amtala, Murshidabad, 1992 affiliated to WBCHSE and Madhyamik from Sargachi Ramakrishna Mission High School, Sargachi, Murshidabad, 1990 affiliated to WBBSE.

**Ph.D. Thesis title** *Studies on Plant diversity, Ethnobotany and Ethnoagriculture in Dehang-Debang Biosphere Reserve of India.*

**Other Qualifications:** B.Ed. from Gandhi Centenary B. T. College, Habra affiliated to Calcutta University, 1997.

**Job/Research Experience** Fifteen years of teaching experience and twenty years of research experience.

**Positions held:** Associate Professor & Assistant Professor (Stage I/II/III) in Botany, Bejoy Narayan Mahavidyalaya, 05<sup>th</sup> September, 2008 to date; In- charge Honorary A.N.O. in N.C.C at Bejoy Narayan Mahaviyalaya, from 24<sup>th</sup> November, 2008-30<sup>th</sup> September, 2010; Assistant Teacher in Biological Science, Ramakrishna Mission Vidyalaya ((H.S.), Narendrapur, Kolkata, West Bengal, 15<sup>th</sup> March, 2006-4<sup>th</sup> September, 2008; worked as Junior Research Fellow and Senior Research Fellow in Ministry of Environment and Forests, Government of India, New Delhi Sponsored research project entitled '*Impact of human activities on biodiversity and conservation strategies for Dibang Biosphere Reserve*' in North Eastern Regional Institute of Science and Technology, Nirjuli, Arunachal Pradesh. Since 22<sup>th</sup> September, 2000 to 31<sup>th</sup> July, 2005; worked as a Trained Graduate Teacher (Science) from 17<sup>th</sup> November, 2003 to 30<sup>th</sup> of January, 2004 in Kendriya Vidyalaya (NERIST), Nirjuli, Itanagar, Arunachal Pradesh on contractual basis; Contributory Lecturer at J. M. Patel P. G. College, Bhandara (Maharashtra), 1<sup>st</sup> August, 1999 – 19<sup>th</sup> September, 2000.

**Field of Interest:** Forest Ecology, Ethnobotany, Traditional Agroforestry, Medicinal & Aromatic Plants, & Forest Resource Utilization.

**Claims:** Working knowledge on plant community studies like Its Similarity index, frequency, density, abundance,

basal cover, IVI, distribution pattern, dominance, diversity and Population studies and the methods related to recording of ethnobotanical data and its evaluation and presentation. The use of several tools aid in measuring biotic factors like Lux meter, Thermometers, Altimeters, pH meters, Clinometer, Anemometer, Global Positioning System (GPS) Unit and many other devices and software packages like Statistica-6.0/ Photosoph, etc. Instrumental handling: Laminar Flow Cabinet, Autoclave etc.

### List of publications:

1. **Ghosh, G.** 2021. Role of Plant bioresources in Traditional Health care system: A case study from the Upper Siang District of Arunachal Pradesh, India. *Indian J. Applied & Pure Bio. Special Vol. 2(1)*: 241-249.
2. **Ghosh, G.** 2021. Evaluation of Agricultural systems practiced in Upper Siang and Upper Dibang areas of Arunachal Pradesh in Northeast India. *Indian J. Applied & Pure Bio. Special Vol. 2(1)*: 326-337
3. **Ghosh, G.**2021. Traditional Shifting agricultural systems practiced by the Idus in Upper Dibang Valley District of Arunachal Pradesh,2021. Edited by Dr. Debabrata Das, Dr. Pampi Ghosh, Dr. Maheshwari G. & Dr. J K Dey in Environment and Development (an Integrated Approach) Published by Kripa Dristhi Publisher, Pune. Voleme 1(26-36)
4. **Ghosh, G.** 2020. Some of the non-conventional food and common medicinal plants used by the indigenous people: a case study from Arunachal Pradesh. P 111-118. In S. Mukherjee *et al.* (eds.). Vision Towards Environmentally Sustainable Future. Published by Department of Environmental Science and ENVIS RP, MoEF & CC of University of Kalayani, Nadia, West Bengal, New Delhi, India.
5. **Ghosh, G.** 2019. Plant species diversity and tree population structure in disturbed and undisturbed stands of wet tropical forest in Dehang-Debang Biosphere Reserve of Arunachal Pradesh, India. *Journal of Emerging Technologies and Innovative Research.* 6(2):437-448. (Impact Factor: 5.87)
6. **Ghosh, G.** 2017. Traditional use of plants against leprosy in India: a review of the recent literature. *Journal of Innovations in Pharmaceutical and Biological Sciences.* 4 (4), 55-64. (Impact Factor: 1.1 )

7. **Ghosh, G.**, D.C. Ghosh, U. Melkania, and U. Majumdar.2014. Traditional medicinal plants used by the *Adi, Idu* and *Khamba* tribes of Dehang-Debang Biosphere Reserve in Arunachal Pradesh. *International Journal of Agriculture, Environment and Biotechnology*. 7(1): 165-171.
8. **Ghosh, G.** 2014. Bio-Medical Waste Management: An Approach to Save Our Environment. P. 469-476. In .K. Khan et al. (eds.).Application of Modern Techniques for the Management of Contemporary Environmental Hazards and Disasters. Published by Haringhata Mahavidyalaya. Subarnapur, Nadia, West Bengal, India.
9. **Ghosh, G.**, D. C. Ghosh, and U. Melkania.2012. Utilization of plant resources in Dehang-Debag Biosphere Reserve of Arunachal Pradesh with special reference to food. P. 188-192. In H. Saha et al. (eds.) Biodiversity Conservation: Fundamentals and Applications. Published by Dum Dum Motijheel College, Kolkata, Wes Bengal, India.
10. Arunachalam, A., U. Melkana, K, Arunachalam, and **G. Ghosh**.2001. Protected area management in Arunachal Pradesh: Issues and options for biological conservation. *Himalayan Biosphere Reserve* 3 (1&2): 62-66.
11. Melkania, U., A. Arunachalam, and **G. Ghosh**. 2001. Impact of Human activities on Bioiversity and Conservation Strategies of Dehang-Debang Biosphere Reserve. *Himalayan Biosphere Reserves* 3 (1&2): 80.

**Seminar/ Conference attended and paper presented:**

1. Paper presented entitled “Species diversity and community structure of a tropical wet evergreen forest in Upper Siang district of Arunachal Pradesh, Northeast India” in International Conference on *Livelihood Promotion, Bio-diversity Conservation and Social Security in Indian Sundarbans* organized by the Department of Plant Protection, Visva-Bharati University in collaboration with Techno India, Andrewspalli Centre for Integrated Development and Hiranmaypur Agro-horticulture Society for Technology and Rural Development at Jharkhali, Sudarbans ( December 7 -9, 2018)
2. Paper presented entitled ‘Evaluation of Agricultural systems in Dehang-Debang Biosphere Reserve of Arunachal Pradesh’ in International Conference on *Agriculture ad Allied Sciences: The Productivity, Food Security and Ecology* organized by Bidhan Chandra Krishi Viswavidyalaya. Mohanpur, Nadia, West Bengal in collaboration with Krishi Sanskriti, New Delhi (August 13-14, 2018)

3. Paper presented entitled “Ethnomedicinal plants used by the tribe of Upper Siang and Upper Dibang Valley District of Arunachal Pradesh” in UGC-CPE Sponsored International Conference on *Facets of Basic Sciences & Applications (FBSA)* organized by Bijoy Krishna Girls’ College, Howrah (February 5-7, 2018).
4. Paper presented entitled “Some of the non-conventional food and common medicinal plants used by the indigenous people: a case study from Arunachal Pradesh” in National Workshop Sponsored by DST-PURSE, ENVIS Centre & University of Kalyani on *‘Vision towards Environmentally Sustainable Future’* jointly organized by the Department of Environmental Science & ENVIS Centre on Environmental Biotechnology, University of Kalyani (July 24-30, 2018)
5. Participated International Seminar on *“Good Health Care: Issues and Approaches”* organized by the Depts. of Botany and Molecular Biology, Dum Dum Motijheel College, Kolkata on 11<sup>th</sup> January, 2016.
6. Paper presented entitled ‘ Biodiversity and population density of tree species in subtropical forest in Dehang Debang Biosphere Reserve, Arunachal Pradesh, India’ In International conference on *“Mother Earth: Save It to achieve a Sustainable Future for All”* organized by Department of Environmental Science, The University of Burdwan, West Bengal (10-12<sup>th</sup> December, 2014)
7. Paper presented entitled “ Bio-medical waste management: An approach to save our environment” in a National level UGC Sponsored conference on *Application of Modern Techniques for the management of Contemporary Environmental Hazards and Disasters* organized by the Department of Geography, Haringhata Mahavidyalaya, Subarnapur, Nadia, West Bengal ( 05 - 6<sup>th</sup> Sept, 2014).
8. Participated in International Seminar on *“The Progress & Prospect of 21<sup>st</sup> Century Research in Advance Life Sciences”* organized by the Department of Botany, Vivekananda Mahavidyalaya, Haripal, Hooghly, West Bengal (15-17<sup>th</sup> February, 2014).
9. Paper presented entitled “Typologies of *Jhum* in Upper Dibang Valley District of Arunachal Pradesh” in UGC Sponsored National Conference on *Biodiversity: Inter relationship Between Flora, Fauna and Human* Organized by the Department of Anthropology, Botany & Zoology of Mrinalini Datta Mahavidyalaya, Birati, Kolkata (29-30<sup>th</sup> September, 2013)

10. Paper presented entitled “Utilization of plant resources in Dehag-Debang Biosphere Reserve of Arunachal Pradesh with special reference to food” in UGC Sponsored National Conference on ***Biodiversity: Threats and Conservation through Traditional and Biotechnological Approaches***” organized by Dum Dum Motijheel College in collaboration with Bose Institute & Botanical Survey of India, Kolkata (04-06<sup>th</sup> February, 2012).
11. Paper presented entitled “Wild vegetable plants-A case study in Debang Dehag Biosphere Reserve” in UGC Sponsored ***National Conference on Recent Advances in Botany*** organized by Gondia Education Society’s J.M. Patel College, Bhandara (Maharashtra) during January 28-29, 2003.
12. Participated in the National Level seminar on ‘***Impact of Agricultural Infrastructures on Economic Development in a state***’ organized by the Department of HSS, North Eastern Regional Institute of Science and Technology (NERIST), Nirjuli, Arunachal Pradesh during 20-21<sup>th</sup> October, 2001.

#### **Participated in webinar:**

1. Participated in A Two day Webinar on “Mössbauer Spectroscopy - Elucidation of magnetic compounds in Biological System” organized by the PG and Research Department of Botany, St. Mary’s College (Autonomous), Thoothukudi on 2.06.2020 and 3.06.2020.
2. State Level Webinar on The Role of Philosophy and Philosophers in the Present Worldwide Pandemic Crisis Days Organised by Department of Philosophy in collaboration with IQAC of Dum Dum Motijheel Rabindra Mahavidyalaya ,208/B/2, Dum Dum Road, Kolkata-700074 (West Bengal) India on 26<sup>th</sup> June, 2020.
3. Participated in the live webinar - Local Vocal: The era of India Entrepreneurs organized by MIET Kumaun, Haldwani on June 6<sup>th</sup> 2020.
4. Two-day long International Webinar on Covid 19: Some Ethical and Social Aspects organized by Department of Philosophy and IQAC, East Calcutta Girls’ College, LAKE TOWN on 6<sup>th</sup> and 7<sup>th</sup> June, 2020. 6<sup>th</sup> & 7<sup>th</sup> June, 2020
5. International Webinar on Life Sciences Interventions to Contain and Combat COVID-19 Organized by Department of Zoology and Biotechnology of Sri Guru Tegh Bahadur Khalsa College, Mahanadda, Nagpur Road, Jabalpur Date: 8<sup>th</sup>-9<sup>th</sup> June 2020
6. Participated in the Webinar 1: ‘SARS COV-2 Virus and Health issues’ Organized by IQAC, Bethune College , 181, Bidhan Sarani, Kolkata 700 006, West Bengal, India on 12.06.2020.

7. State Level Webinar on "COVID-19 Prevention and Control in Higher Education Institutions" jointly Organized by Shibpur Dinobundhoo Institution (College), Shibpur, Howrah and Dr.Kanailal Bhattacharyya College, Howrah on 13<sup>th</sup> June, 2020.
8. International Webinar on "Corona Pandemic-Searching hope and responsibilities" Organized by Department of Zoology in collaboration with IQAC of Asansol Girls' College West Bengal, India on 20th June 2020
9. Webinar on Biological aspects of corona virus organized by Dept. of Zoology, South Calcutta Girls' College in collaboration with New Alipore College 20th June 2020
10. Participated in the 21<sup>st</sup> Century Teacher Training Workshop on Virtual Learning in The New Reality conducted by Pearl Academy on 20th June, 2020
11. One day national webinar "Struggle for coexistence: Affect of Anthropocene non-human life forms" Organized by Department of Zoology, Sonamukhi College in coordination with IQAC, Sonamukhi College on 20th June, 2020. 20th June 2020
12. 1st International Career Outreach E-Workshop Organized by Bidhan Chandra College, Asansol, West Bengal, India on 21 June.
13. The two days National Webinar on "Holistic Health through Yoga for Human Excellence" organized by Directorate of Sports & Department of Physical Education and Sports, Pondicherry University on 21st & 22nd June 2020.
14. One Day International Webinar on Pandemic and Societal Implications: India and her Neighbours Organized by Women Cell, Kulti College, 22 June, 2020
15. Participated in the International Webinar & Panel Discussion on "Prevention & Control of Vector Borne Diseases amidst COVID-19" Organized by IQAC Surendranath College, 24/2 M.G.Road, Kolkata 700009 on June 24th, 2020.
16. Participated in the two days National Webinar on "Yogic and Naturopathic remedies to save humanity from Covid-19 Pandemic" organized by Department of Philosophy of KCE's Society's Moolji Jaitha College, Jalgaon and Bhartiya Mahila Darshanik Parishad on 26-27<sup>th</sup> June, 2020.
17. Webinar on online tools for teachers and administrators organized centre for special and movement education, Manonmaniam Sundaranar University, Tirunelveli, June 27, 2020
18. International Webinar on Impact of COVID-19 on Teaching Learning Process: Challenges and Solutions. Organized by Rajendra Academy for Teachers' Education on 30th June, 2020.

19. Attending the National Webinar on “400<sup>th</sup> Prakash Parv of “Hind Di Chadar” Sri Guru Tegh Bahadur Singh Ji, dated 07<sup>th</sup> July, 2020 organized by Sri Guru Tegh Bahadur Khalsa College, Jabalpur (M.P.)
20. Participated in a state level webinar entitled “The political society in current times of pandemic: an introspection” organized by Department of Political Science Dinobandhu Mahavidyalaya in Collaboration with Basirhat College on 08<sup>th</sup> July, 2020
21. Participated in the Webinar on “Best Health Practices During COVID Crisis” Organized by Department of Commerce & IQAC In Collaboration with Peerless Hospital & B.K. Roy Research Centre on 8th July 2020
22. Participated in outreach Webinar *A New View of the Solar System* organized by Department of Physics under DBT-Star College Scheme, Govt. of India (Dept. of Zoology, Chemistry, Botany & Physics) Surendranath College, 24/2 M.G. Road, Kolkata-700009
23. Attended the Webinar entitled “Impact of COVID-19 on Our Psychological Wellbeing and Possible Way Forward” organized by Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly, West Bengal on 9<sup>th</sup> July, 2020
24. Changing dynamics in the individual's relation to free will : Reinterpreting human practice and idea of freedom in the context of pandemic 2020'organized by the departments of English, Sociology and Philosophy of Chandrakhetugarh Sahidullah smriti Mahavidyalaya Debalaya, Berachampa, North 24 Parganas on 10th July, 2020
25. International Webinar on “Philosophy of Yoga” organized by Department of Philosophy, Panjab University, Chandigarh on 06/07/2020
26. One Day Webinar on Teaching, Learning, and Evaluation using e-Tools jointly organized by Department of Computer Science, Department of Physics & Electronics, and IQAC of HISLOP COLLEGE, NAGPUR (Awarded with Heritage Status and NAAC Re-accredited with 3.31 CGPA) on 10 July ,2020
27. State level Webinar on "Administrative affairs thrusting upon promotion of College Teachers / Librarians under CAS” Organized jointly by Teachers’ Council & IQAC, City College 102/1, Raja Rammohan Sarani, Kolkata-700009, West Bengal. on 11/07/2020
28. National Webinar on Bioresources in Human Welfare organized by Department of Botany in collaboration with Internal Quality Assurance Cell(IQAC), Debraj Roy College, Golaghat, Assam, India on 12<sup>st</sup> of July, 2020
29. International Webinar on Climate Change and Energy Options for a Sustainable Future organized by Internal Quality Assurance Cell, Debraj Roy College, Golaghat, Assam,

India on 21<sup>st</sup> of July to 25<sup>th</sup> July,2020

30. Participated in One Day State Level Webinar on “Learn-Unlearn Relearn: New Mantra for Students, Teachers & Librarians” organized by Central Library & IQAC, Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly, West Bengal on 14<sup>th</sup> July,2020
31. Participated Online Lecture Series 13<sup>th</sup> -20<sup>th</sup> July,2020 jointly organized by Department of Botany, Egra Sarada Shashi Bhusan College, Egra, Purbo Medinipur West Bengal and Department of Botany, Prabhat Kumar College, Contai, Purbo Medinipur West Bengal
32. Attended the online Teacher’s Conference on the theme “Impact of COVID-19 on Indian Economy” organized by Victoria Institution (College) and The Eastern India Regional Council of The Institute of Company Secretaries of India on 26<sup>th</sup> July2020.
33. Participated in One Day State Level Webinar on “ The Future of India-China Relations jointly organized by Department of Political Science & Seminar Committee , Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly, West Bengal on 15<sup>th</sup> July,2020.
34. Participation in the National Level Webinar on Digital Transformation In Higher Education organized by Asannagar Madan Mohan Tarkalankar College 56 Majhdia Road, P.O. Asannagar, Nadia on 17th July 2020
35. One day Webinar on “Recent Trends in Science and Technology” Organized jointly by Department of Botany, Chemistry, Physiology and Zoology & Internal Quality Assurance Cell Netaji Nagar Day College ,170/436, N.S.C.Bose Road, Regent Estate, Kolkata on 17th July, 2020
36. Participated in the webinar on Coastal Areas of West Bengal : Botany and Beyond organized by PG Department of Botany in collaboration with IQAC, Bethune College, 181, Bidhan Sarani, Kolkata 700 006, West Bengal, India on 18.07.2020
37. A Two-Day International Webinar COVID 19: The Biggest Threat to Human Civilization and Medical Science Organised by Netaji Mahavidyalaya Arambagh, Hooghly, 18.07.2020-18.07.2020
38. Participated One Day International Level Webinar on “Mohitlal Majumdar: Life and Work’s” organized by Department of Bengali, Balagarh Bijoy Krishna Mahavidyalaya, Balagarh, Hooghly, West Bengal on 16<sup>th</sup> July,2020
39. Participated in a state level webinar on Dysfunctional conflict: search for avoidance strategies jointly organized by IQAC, Balagarh Bijoy Krishna Mahavidyalaya and IQAC, Bejoy Narayan Mahavidyalaya on 19.07.2020
40. Participated in a National LEVEL WEBINAR ON “Winning the Battle against COVID-19: The Case of Kerala organized under the auspices of the Department of Economics in

collaboration with IQAC, Balagarh Bijoy Krishna Mahavidyalaya on 20.07.2020.

41. Participated in the Webinar entitled Scanning COVID-19 Pandemic through Gender Lens held on 20th July, 2020 Organized by Saheli, Women's Cell of Garhbeta College in association with IQAC, Garhbeta College, Garhbeta, Paschim Medinipur, PIN-721127.
42. Participated in the webinar "Electron Spectroscopy: An Undergraduate View" organized by the Department of Physics, in collaboration with IQAC, Scottish Church College, on 21st July, 2020.
43. Participation in the International Webinar on **Climate Change and Energy Options for a Sustainable Future** organized by the Internal Quality Assurance Cell of Debraj Roy College from 21st of July to 25th of July, 2020
44. National Level Webinar on Breaking the silence of Indus Valley Civilization Necessity of a multi-disciplinary approach organized by the Department of Bengali and the Department of History in association with IQAC of Raja Peary Mohan College, Hooghly on 22<sup>nd</sup> July 2020.
45. Participated in the State –Level Webinar on Plant Growth Promoting Rhizobacteria: A promising aspect for bioremediation of heavy metal/Arsenic organized by Department of Botany in collaboration with IQAC, Banipur Mahila Mahavidyalaya, Banipur, West Bengal, India. Pin-743383 with the support of IQAC on 25th July, 2020
46. One Day National Level E-Workshop On "Awareness Program on National Digital Library of India" Date & Time of the Event: Friday, 24th July 2020
47. ONE-DAY NATIONAL WEBINAR on "Arising Challenges in Waste Management and Therapeutic Approaches in Current Scenario" organized by RAIDIGHI COLLEGE Raidighi, West Bengal, India. Pin-743383 With the support of IQAC on 25th July, 2020.
48. Participated in this Webinar, organized by the Department of Commerce and Internal Quality Assurance Cell (IQAC) of Sarat Centenary College, Dhaniakhali, Hooghly On 25 July 2020.
49. One Day National Webinar on, "Impact of Covid-19 on Indian Economy", organized by Department of Commerce, Victoria Institution (College), Kolkata in Collaboration with the Institute of Company Secretaries of India (ICSI) - EIRC, Kolkata on 26.07.2020.
50. Participated in "International Webinar on the Eve of World Nature Conservation Day" organized by IQAC, Dept of Zoology, Dept of Botany, Gushkara Mahavidyalaya, Guskara, Purba Bardhaman, and Hariharpu Friends of Environment, Arambag, W.B., India on 28<sup>th</sup> July 2020

51. Two Days National Level E-Workshop On Intellectual property right in digital era: in special reference with plagiarism detection tools Jointly Organized by Department of Library, Research & Guidance Cell and IQAC of Vijaygarh Jyotish Ray College, Kolkata In Technical Collaboration with REFBYTE, Kolkata 26th July- 27th July, 2020
52. participated in the National Webinar on “Plant Space Biology: Molecular Basis” organized by the Department of Plant Biology and Plant Biotechnology, Women's Christian College, Chennai, held on July 29, 2020.
53. One-day International Webinar on Application of geospatial and molecular tools in natural resource conservation and management Organized by: Department of Ecology and Environmental Science, Assam University, Silchar on 29<sup>th</sup> July, 2020.
54. One Day International Webinar on Challenges and Conquest Strategies in the ‘New Normal’ Global Scenario Organized by Dept.of Chemistry, under the Aegis of IQAC, B. B. College, Asansol, WB, India on 30.07.2020.
55. Two – Day International Webinar on Contemporary issues in Management, Finance & ICT organized by Department of Commerce & IQAC ,Nabagram Hiralal Paul College Konnagar, West Bengal, India on 31<sup>st</sup> July & 1<sup>st</sup> August, 2020.
56. COVID-19 Treatment And Understanding Of Human Immune Response-A Complex Circuit For Vaccine Research, Organized by Department of Botany in Collaboration with IQAC Vivekananda Mahavidyalaya, Hooghly, West Bengal, India on 1<sup>st</sup> August, 2020
57. One Day National Webinar on Public Policy and Governance in Indian Context organized by Department of Political Science In Collaboration with IQAC of Ranaghat College on 3rd August, 2020.
58. Participated in the one day Webinar on “Personal Income Tax Planning: A Comparative Analysis on Existing and New Tax Regime” organized by Department of Commerce and IQAC ok Katwa College on 4th August, 2020.
59. National Webinar on "Gandhi and Sustainable Development" organized by the Department of Political Science & IQAC , Galsi Mahavidyalaya,Galsi,Purba Bardhaman, West Bengal on 4th August,2020.
60. Webinar on “Personal Income Tax Planning: A Comparative Analysis on Existing and New Tax Regime” Organized by the department of Commerce and IQAC of Katwa College, Dist.: Purba Bardhaman, Pin.: 713130, West Bengal on 4th August, 2020
61. One Day National Webinar on Plant through ages: Extinct to Extant organized by Department of Botany in association with IQAC of Mrinalini Datta Mahavidyapith on 4<sup>th</sup> August 2020

62. A Webinar on “De-Stressing the Plant Way” organized by the Department of Botany, New Alipore College on 4th August, 2020
63. Webinar on The Race to Survival : Indian Economy in Turmoil & A Struggling Sports Sector organized by Department of Economics and IQAC of City College and Vivekananda College for Women, Kolkata on 5th August, 2020
64. Participated in National Webinar on “Impact of Covid 19 on Indian Economy: Prospects and Challenges Ahead” Organized by Department of Economics, Sonamukhi College, Sonamukhi, Bankura in collaboration with Belur Research Association of Social Science (BRASS) on 3<sup>rd</sup> August, 2020.
65. Participated in the Webinar session entitled “Distributed Artificial Intelligence and Agent Technology” Organized by Department of Computer Science & IQAC of Gurudas College, , Kolkata, on 5<sup>th</sup> August, 2020
66. One Day National Webinar on Bacteria Concert - A Journey from Greenhouse to Green Home Organized by the Department of Physics in Association with IQAC, Shyampur Siddheswari Mahavidyalaya ,Ajodhya, Howrah on 5th August 2020.
67. State-Level Webinar on: Mental Health of Students in the time of Pandemic Jointly organized by The Department of Economics and IQAC, Kanchrapara College, Kanchrapara, 24 Pgs. (N), Pin: 743145 on 6th August, 2020
68. Participated in the Webinar session entitled “Understanding the Complexity of Cancer Progression and Biology of DNA Structures” jointly organized by Department of Botany & IQAC of Gurudas College, , Kolkata, on 6<sup>th</sup> August, 2020.
69. A State Level Webinar On Covid-19 and Gender-based violence in India: A feminist perspective Organized by Dept. of English in collaboration with IQAC, Dum Dum Motijheel Rabindra Mahavidyalaya on August 7, 2020.
70. An International Web Conference On Climate Change & Human Health Organized by Tufanganj Mahavidyalaya Faculty of Science & Ananda Chandra College, Department of Zoology on Date: 07/08/2020
71. Two Days State Level Webinar On *Covid-19: Molecular aspects and its Possible managements* Jointly organized by Dept. of Zoology & Dept. of Botany in collaboration with IQAC, Kalna College on 7-8<sup>th</sup> Aug. 2020
72. One day National Webinar under the title “Organic Living” on 8th August 2020 organized by Department of Geography of Durga Mahavidyalaya, Raipur on 8.8.20.

73. Live webinar on Changing Times and New Classrooms Organized by West Bengal College & University Professors' Association WBCUPA, (South 24 PGS) on Sunday, August 09, 2020.
74. A Two - Day International Webinar on“Fighting COVID-19 through Mathematical Way” organized by Department of Mathematics in collaboration with IQAC On 09-10 August, 2020.
75. one day National Level Webinar on “Disaster Management & Communication : Challenges & Opportunities”organized by the Depts. of Geography and Journalism & Mass Communication, in collaboration with IQAC, Ramakrishna Sarada Mission Vivekananda Vidyabhavan33, Sri Maa Sarada Sarani , South Dum Dum, Kolkata - 55. held on 10.8.2020.
76. One day state level webinar on “ COVID-19: searching newer paves from molecules to medicine” Organized by Post Graduate Department of Botany, Hooghly Mohsin College in collaboration with IQAC, HooghlyMohsin college, Chinsurah, Hooghly on 11th August, 2020.
77. One Day National Webinar On Emergence of new trends in the backdrop of Covid-19 Jointly organised by Department of History and Philosophy in collaboration with IQAC of Kishore Bharati Bhagini Nivedita College (Co-Ed.) , Behala, Kolkata-700060 on 16.08.21
78. Three day international webinar on “E - Learning - Door to the Future” organized by Internal quality assurance cell (iqac) of Katwa College, Katwa, Dist.: Purba Bardhaman, Pin.: 713130, West Bengal, India on 18 – 20th August, 2020.
79. One Day State Level WEBINAR on Optometry organised by Department of Physics & Molecular Biology Brahmananda Keshab Chandra College 111/2, B.T. Road, Bonhooghly, Kolkata-700108 20th August, 2020.
80. Participation in the one-day international webinar on ‘Adhunik BanĀla Kabitay Mahamari’ organized by by Department of Bengali and IQAC of Asannagar Madan Mohan Tarkalankar College ,Asannagar, Nadia-741161, West Bengal, India on Āust 21, 2020.
81. International Webinar Human ailment: basic research and clinical implications organized by PG Department Of Botany and IQAC of Bethune College, 181 Bidhan Sarani, Kolkata-700006 Date: 22.08.2020.
82. Participated One day National webinar on “COVID-19: Immunity Boosting and Vaccine Development” organised by Department of Botany in association with IQAC of Sreegopal Banerjee College, Bagati, Mogra on 22/08/2020.

83. Participated in International Webinar on "Revisiting History from Different Dimensions" jointly organized Department of History & Seminar Committee, Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly, West Bengal, India on August 24-25, 2020.
84. Participated in International Webinar on "Revisiting History from Different Dimensions" jointly organized Department of History & Seminar Committee, Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly, West Bengal, India on August 24-25, 2020.
85. Participated in a National Webinar jointly organized by the Department of History and Philosophy in collaboration with Internal Quality Assurance Cell of Kishore Bharati Bhagini Nivedita College "emergence of new trends in the backdrop of COVID-19" 16th August, 2020.
86. Participated in the One Day State Level Webinar on "Towards a futuristic perspective of COVID-19 Pandemic: Work-Life balance for survival", organised by the Department of Commerce, Sreegopal Banerjee College on 23.08.2020
87. Participated in the Webinar session entitled "International Webinar on Missionary Women and Governesses : Mission, Passion and career in Colonial Bengal" on 24th August, 2020 jointly organised by the Department of History & IQAC, Kishore Bharati Bhagini Nivedita College (Co-Ed) and the Department of History & IQAC, New Alipore College.
88. Two Day International Webinar on "Rethinking and Recreating the Academic Library: Opportunities and Challenges during COVID-19 Pandemic". Organized by Central Library In collaboration with IQAC, Raniganj Girls' College. Date: 24th & 25th August, 2020
89. Participation in the one day state level webinar on "Gender Issues: Past and Present" Organised by The Women's Cell & IQAC Asannagar Madan Mohan Tarkalankar, Asannagar, Nadia-741161, West Bengal, on Aug 26, 2020
90. Participated in the national level webinar on "Theatre on Post Pandemic Era" organized by The Department of Bengali, Khalisani Mahavidyalaya with the support of IQAC on 26<sup>th</sup> August 2020
91. One-Day International Symposium on Medical Ethics organized by the Department of Philosophy of Ramakrishna Sarada Mission Vivekananda, Vidyabhavan 33, Sri Maa Sarada Sarani, South Dum Dum, Kolkata - 55., Vidyabhavan on 29.08.2020.
92. Participated in virtual Webinar on the theme: "Plant Based Technologies for Entrepreneurship Development" organized by Rotary Club of Orchid City, Shillong on 29<sup>th</sup> August, 2020

93. One Day National Level Webinar on Environmental Sustainability in Present Scenario-A Multidisciplinary Approach” organized by the Department of Geography and Department of Botany, Santal Bidroha Saradha Satabarshiki Mahavidyalaya, Gooltore, Paschim Medinipur on 29<sup>th</sup> August 2020
94. One-Day National Webinar on Impact of COVID-19 upon the economy, polity, society and culture of eastern and north- eastern India Organized by Acharya Brojendra Nath Seal College (A.B.N. Seal College), Cooch Behar, West Bengal, India, PIN-736101 (Accredited by NAAC with Grade ‘A’- Cycle-II) Date: August 29, 2020
95. Participated National level Online Professional Development Programme on “The Open Way of Virtual Learning and Issues of Plagiarism” organized by Library in association with IQAC of Karimpur Pannadevi College, Karimpur, Nadia, West Bengal and in collaboration with MoU partner Jalangi Mahavidyalaya, Murshidabad, West Bengal on 30<sup>th</sup> August,2020
96. International Webinar on Folklore: a multidimensional Thought organized by Department of Bengali, Assam University, Silchar on 2<sup>nd</sup> September, 2020
97. One Day National Level Webinar on “Advancement in Microbial and Cryptogams Research in the 21st century” Organized by Department of Botany, Ananda Mohan College, Kolkata on 2nd September 2020.
98. One Day State Level Webinar on “Season of two diseases: Dengue & COVID -19” organized by National Service Scheme, (Unit – I & Unit – II) of Hooghly Women’s College, Pipulpati, Hooghly, West Bengal on 2nd September, 2020.
99. International webinar on ‘Recent Advancement in Biological Research’ organized by Department of Biological Science of Midnapore City College, Kuturiya, Bhadutala, Midnapore, Paschim Medinipur on 2<sup>nd</sup> September, 2020
100. State Level Webinar on COVID-19 Pandemic: Disease vs Society Organized by Department of Chemistry & IQAC of Government General Degree College at Kalna-I, Burdwan on 3<sup>rd</sup> September,2020
101. One Day International Webinar on ”Emerging Trends in the Post Pandemic World Order: Issues and Concerns” Organized by the Department of Political Science & Philosophy, Galsi Mahavidyalaya, Galsi, Purba Bardhaman, West Bengal, India on 7<sup>th</sup> September,2020
102. National webinar on “Liposomes for Targeted Cancer Therapy and Dendritic Cell based Cancer Immunotherapy” *Organized by:* Department of Chemistry in Collaboration with Seminar Committee of Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly-712 147 West Bengal, India on September 09, 2020
105. Participated in the Webinar on “Mental Health Related Issues” organized by the Centre for Counselling Services and Studies in Self-Development (CCSSS), Jadavpur

University, Kolkata, West Bengal, India, held on 26th September, 2020.

106. One Day Outreach Webinar on "Enter The Dragon" Organized by CANOPY, Nature Club, Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly, West Bengal, India on 28<sup>th</sup> September, 2020.

### **Chairing the session for Conferences**

1. Acted as **Chairperson** in the technical session of National Level Conference on "Biodiversity: Threats and Conservation through traditional and Biotechnological Approaches" held at Dum Dum Motijheel College, Kolkata on 6<sup>th</sup> February, 2012.

### **Training/Course undergone**

1. UGC Sponsored **Orientation Programme** organized by UGC-ASC of Jadavpur University, Kolkata (23.05.2011 to 18.06.2011)
2. UGC Sponsored Refresher Course in Natural and Biosciences organized by UGC-HRDC of Burdwan University (24<sup>th</sup> November-07<sup>th</sup> December, 2020)
3. UGC Sponsored Refresher Course in Biotechnology organized by UGC-HRDC of Calcutta University (06-26<sup>th</sup> November, 2017)
4. UGC Sponsored Refresher Course in **Climate Change (ID)** organized by UGC-HRDC of University of Allahabad (26.02.201 to 17.03.2016)
5. UGC Sponsored Refresher course in **Environmental Studies** organized by UGC-ASC of Calcutta University, Kolkata (03-22<sup>th</sup> March, 2014)
6. UGC Sponsored Refresher Course in **Life Sciences** organized by UGC-ASC of Mizoram University, Mizoram (26.03.2013 to 15.04.2013)
7. UGC Sponsored STC in Workshop on MOOC's organized by UGC-HRDC of Jadavpur University (23 February to 1<sup>st</sup> March 2021)
8. UGC Sponsored Short term course on **Health and stress: problem and remedies** organized by UGC-HRDC of Burdwan University (18- 24<sup>th</sup> February, 2020)
9. UGC Sponsored Workshop on **MOOCs, e-content development and Open educational resources** organized by UGC-HRDC of Jadavpur University (11-17<sup>th</sup> February, 2020)
10. UGC Sponsored Short term course entitled **Counseling & stress management** organized

by UGC-HRDC of Jadavpur University (12-18<sup>th</sup> July, 2019).

11. UGC Sponsored Workshop on ***Promotion under Career Advancement Scheme (CAS)*** organized by B.N. Mahavidyalaya (19<sup>th</sup> July, 2019)
12. UGC Sponsored Workshop on ***CBCS*** organized by UGC-HRDC of Burdwan University (29.01.19 to 04.02.19)
13. UGC Sponsored workshop on ***MOOCs, e-content development & educational resources*** organized by UGC-HRC of Burdwan University (30.10.18 to 05.11.2018)
14. DST-PURSE, ENVIS Centre & University of Kalyani Sponsored National Workshop on ***'Vision towards environmentally sustainable future'*** organized by Environmental Science and ENVIS Centre on Environmental Biotechnology of Kalyani University (24-30<sup>th</sup> July,2018)
15. UGC Sponsored Workshop on ***'Teachers' Career Advancement scheme (CAS) promotion: a guideline'*** organized by Tarakeswar Degree College (27<sup>th</sup> March, 2018)
16. Interactive Workshop on ***Medicinal plants and herbal remedies 'recommending with plants as our allies-in-healing'*** organized by Serampore College (27<sup>th</sup> February, 2018)
17. National level workshop on ***herbarium techniques and plant nomenclature*** organized by Ramakrishna Mission Vivekananda Centenary College, Rahara, Kolkata in collaboration with BSI, Kolkata (22- 23<sup>th</sup> February,2018)
18. UGC Sponsored short term course on ***Disaster Management*** organized by the UGC-ASC of Jadavpur University (14-17<sup>th</sup> March, 2012).
19. UGC Sponsored Workshop on ***basic Skills of Counseling Management*** organized by the UGC-ASC of Jadavpur University (1-4<sup>th</sup> November,2011).
20. WWF-India, New Delhi sponsored Training-Workshop on ***Management effectiveness Assessment of Protected areas of Arunachal Pradesh using WWF's RAPPM Methodology***, State Forest Research Institute, Itanagar, Arunachal Pradesh (17-18<sup>th</sup> May, 2004).
21. Certificate Course [Module 1 (March 15-17,2001) and Module 2 (March 18-21)] in Conservational Biology: ***Applied Research Methods and Approaches in Biodiversity***, organized by Zoology Deptt., Arunachal University, Itanagar in collaboration with Ashoka Trust for Research in Ecology and the Environment (15-21<sup>th</sup> March, 2001).