

Bio-data

Name: Prof. (Dr.) Chowdhury Habibur Rahaman, Ph.D., FIAAT.

Designation: Professor of Botany

Address: Department of Botany, Visva-Bharati, Santiniketan-731235, West Bengal, India.

Educational qualification: M.Sc. (*First Class First*), Ph.D.

Teaching Experience: More than **20 yrs.** (P.G. & U.G. levels).

Research Experience: More than **30 yrs.**

Area of research interest: *Ethnobotany, Pharmacognosy, Bioprospecting and Diversity of Ethnomedicinal plants, and Floristics*

No. of Ph.D. students produced: 10

No. of Ph.D. students submitted thesis: 2

No. of student working for Ph.D. degree: 5.

Total No. of Publication: 79

a. In Referred journal: 60; b. Book Chapter: 9; c. In proceeding volumes: 10 (**Annexure- 1**)

No. of Research projects received: 4 (Funding agencies: UGC, BSI, DST West Bengal, West Bengal Biodiversity Board)

- i. “Studies on Medicinal and Aromatic plants of Birbhum district and documentation of status, habitat and local uses of plant species” sanctioned by **Department of Science and Technology, Govt. of West Bengal**. Amount- Rs. **Rs.4,83 lakh**.
- ii. “Preparation of People’s Biodiversity Register in Birbhum District, West Bengal” sanctioned by **West Bengal Biodiversity Board, Govt. of West Bengal**. Amount- **Rs.4.56 lakh**.
- iii. UGC – Inventorization and documentation of ethnomedicinal plants from Laterite zone of West Bengal with special reference to Bioprospecting of selected plant species” sanctioned by **UGC, GOI, New Delhi**. Sanctioned amount- Rs. **11.58 lakh**.
- iv. DST(WB)- “Quantitative Ethnobotany, Conservation Priorities and Sustainable utilization of Medicinal Plants of Birbhum district, West Bengal with reference to Biological activity studies of some lesser known root drugs” sanctioned by **Department of Science and Technology, Govt. of West Bengal**. Sanctioned amount- Rs. **16.19 lakh**.

Conference/ Symposium/ Seminar attended: 45 (International: 12 ; National: 33)
(Acted as Invited Speaker, Judge and Chairperson in many conferences). (**Annexure- 2**)

National Seminar & Workshop organized: 4

- i. **UGC sponsored workshop on Medicinal plants- Biodiversity, sustainable utilization & cultivation** during 14-15th January, 2012 at the Department of Botany, Visva-Bharati, Santiniketan
- ii. **West Bengal Biodiversity Board** sponsored workshop on **People's Biodiversity Register of Birbhum district, West Bengal** on 8th January, 2012 at the Department of Botany, Visva-Bharati, Santiniketan.
- iii. Workshop on *Plant diversity: Utilization and Climate change* organized by **Visva-Bharati, Santiniketan, West Bengal** during 19-20th March, 2014.
- iv. **UGC-DRS** sponsored **National Seminar** on "*Plant and Microbe: Diversity and Utilization*" organized by the Department of Botany, Visva-Bharati, Santiniketan during 19th -20th March, 2016.

Academic achievement:

- A. Elected Fellow of The Indian Association for Angiosperm Taxonomy (FIAAT)**
- B. Acted as Expert Member of the Screening – cum- Technical Committees:**
 - i. **Department of Biotechnology (DBT), Drug Discovery Wing, Govt. of India, New Delhi.**
 - ii. **State Department of Science & Technology, Govt. of West Bengal, Kolkata.**
 - iii. **West Bengal State Medicinal Plants Board, Govt. of West Bengal, Kolkata.**
- C. Member of Editorial Board and Reviewer** of many national & international journals (Indian Journal of Traditional Knowledge, Ethnobotany Research and Application, Journal of Traditional and Folk Practices, The environmentalist, Journal of Ethnomedicine ,etc.).
- D. Life member of the learned academic bodies:**
 1. **The Indian Association for Angiosperm Taxonomy (IAAT), Calicut.**
 2. **The Indian Science Congress Association. Kolkata.**
 3. **The Indian Botanical Society, Allahabad.**
 4. **The Society for Ethnopharmacology (SFE-Jadavpur, India) (affiliated to the International Society for Ethnopharmacology, UK).**
 5. **The Botanical Society of Bengal, Kolkata.**
 6. **The Indian Science New Association, Kolkata.**

Administrative experiences:

1. Served as **Course Co-ordinator (UG & PG) of Botany, Member of the Committee for Departmental Academic Schedule preparation.**
2. Acted as **Co-ordinator of Botany Department for the UGC sponsored Remedial Coaching Course for SC, ST, Minorities from 2009 -2012.**
3. Served as **Member of Purchase Committee, Department of Botany, Visva-Bharati from August, 2009 – July, 2012.**
4. Acted as **Convener of M.Sc. admission test of Botany** (three times) for the period of **2010- 2014.**
5. Acted as **in-charge of Seminar Library, Department of Botany, Visva- Bharati from 2004 – 2009.**
6. Perform the **duty as acting Head, Department of Botany, Visva-Bharati** as and when needed.
7. Serving as **Member of COVID Campaign Steering Committee, Visva-Bharati.**
8. Serving as **Chairperson of Scientific Committee for COVID Campaign, Visva-Bharati.**

(Annexure-1)

List of publications of CHR

1. Mandal, S. and **Rahaman, C.H.** (1986) Floristic survey of Purnea district, Bihar-A preliminary report. *Mendel*. **3(2)**: 96-98.
2. Mandal, S, Gupta, A.K., **Rahaman, C.H.** and De, AK.(1987) Observation on the exotic tree plant of Santiniketan, West Bengal. *Mendel*. **4**:71-75.
[https://www.researchtrend.net/jnbr/VOL%203\(3\)%202014/12_Pradhan_and_Rahaman_JNBR_3_2__2014.pdf](https://www.researchtrend.net/jnbr/VOL%203(3)%202014/12_Pradhan_and_Rahaman_JNBR_3_2__2014.pdf).
3. Mandal, S., **Rahaman, C.H.** and De, A.K. (1988) On the pollination calendar of Santiniketan, West Bengal with reference to aerobiological survey. *The Indian Journal of Allergy, Asthma and Immunology*. **2(2)**: 43-48.
4. De, A.K., Mandal, S., **Rahaman, C.H.** and Dan, P.K. (1988) A contribution to the aquatic angiosperms of Santiniketan, West Bengal with reference to water environment. In: A.K. Sen et al., (eds.) Environmental Management and Planning, Wiley Eastern Ltd. Publisher, New Delhi, pp. 164-174.
5. De. A.K., Mandal, S., Gupta, A.K. and **Rahaman, C.H.** (1988) Aerobiology of Santiniketan, West Bengal for detection of allergenically significant plants. In: A.K. Sen et al., (eds.) Environmental Management and Planning, Wiley Eastern Ltd. Publisher, New Delhi, pp. 175-195.
6. Mandal, S. and **Rahaman, C.H.** (1989) Floristic survey of Purnea, Bihar with reference to aerobiology. *Environment and Ecology*. **6(2)**: 355-368.
7. Dan, P.K., **Rahaman, C.H.** and Mandal, S. (1990). Prevalence of airborne pollen and spores in the aquatic environment Birbhum district, West Bengal, India. Proc. Int. Conf. Aerobiol. Stokholm, 4: 105.
8. **Rahaman. C.H.** and Mandal. S. (1998) Ethnomedicinal studies of some plants of Purnea district, Bihar. *Indian Journal of Landscape Systems and Ecological Studies*. **21(1)**: 173-79.
Google Scholar link-
<https://scholar.google.com/citations?user=RdgFTwMAAAAJ&hl=en>.

9. **Rahaman, C.H.** and Mandal, S. (1999a) New plant records for the District of Purnea, Bihar. *Bulletin of Pure and Applied Sciences*. **18B(1)**: 21-27.
10. **Rahaman, C.H.** and Mandal, S. (1999b) Enumeration of phanerogamic climbers in wild environment of Purnea, North Bihar. *Indian Journal of Environment & Ecoplanning*. **2(2)**: 127-134.
11. **Rahaman CH** and Mandal S. (1999c) Exotic tree plants of Purnea district, Bihar. *Environment & Ecology*. **18(1)**: 27-34. Google Scholar link-
<https://scholar.google.com/citations?user=RdgFTwMAAAAJ&hl=en>.
12. **Rahaman CH** and Mandal S.(1999d) New records of some exotic plant species from Birbhum district, West Bengal. *Indian Journal of Applied and Pure Biology*. **14 (2)**: 154-156.
13. **Rahaman, C.H.,** Mondal, S. and Mandal, S. (1999) Enumeration of angiospermic climbers of Birbhum district, West Bengal. *Bulletin of Pure and Applied Sciences* **18B (1)**: 29-35.
14. **Rahaman, C.H.** and Mandal, S. (2000). A contribution to the aquatic angiosperm of Purnea district, Bihar with reference to their economic importance. *Indian Journal of Applied and Pure Biology*. **15(1)**: 53-65.
15. **Rahaman, C.H.,** Mondal, S. and Mandal, S.(2000) Study of host ranges of some phanerogamic parasites of Birbhum district, West Bengal. *Asian Journal of Microbiology, Biotechnology and Environmental Sciences*. **2(3-4)**: 141-144.
16. Banerjee, A., **Rahaman,C.H.,** Kar, R.K. and Mandal,S.(2002) Micromorphology of foliar epidermis of some tropical tree legumes. *Phytomorphology*. **52(2&3)**: 223- 230.
17. **Rahaman, C.H.,** Ghosh, A. and Mandal, S.(2007) Non-Timber Forest Products- Uses by the tribal people with reference to ethnomedicine. In N.Ali (ed.) Natural Resources Management and Sustainable Development in North-East India, Mittal Publication, New Delhi, pp. 173- 182.
18. **Rahaman, C.H.,** Ghosh , A. and Mandal, S. (2008) Studies on ethnomedicinal uses of plants by the tribals of Birbhum district, West Bengal. *Indian Journal of Environment and Ecoplanning*. **15(1-2)**: 71-78.
19. **Rahaman, C.H.,** Choudhury. S., and Mandal, S. (2008) Studies on foliar epidermal micromorphology and stem xylem elements of *Dipteracanthus prostratus* and

- Hygrophila schulli*- two medicinal plants of Acanthaceae, *Journal of The Botanical Society of Bengal*. **62 (1)**: 33-42. Google Scholar link- <https://scholar.google.com/citations?user=RdgFTwMAAAAJ&hl=en>.
20. Choudhury, S., **Rahaman, C.H.**, and Mandal, S. (2008) Studies on leaf epidermal micromorphology and wood elements of four medicinally important species of *Cassia* L. *Journal of The Botanical Society of Bengal*. **62(2)**: 67-80.
21. Choudhury, S., **Rahaman, C.H.** and Mandal, S (2009) Studies on leaf epidermal micromorphology and preliminary phytochemical screening of three medicinally important taxa of the family Vitaceae. *Science and Culture*. **75(7-8)**: 294-300. Google Scholar link- <https://scholar.google.com/citations?user=RdgFTwMAAAAJ&hl=en>.
22. Choudhury, S., **Rahaman, C.H.** and Mandal, S (2009) Studies on leaf epidermal micromorphology, wood element characters and phytochemical screening of three medicinally important taxa of the family Convolvulaceae. *Journal of Environment and Sociobiology*. **6 (2)**: 105-118. Google Scholar link- <https://scholar.google.com/citations?user=RdgFTwMAAAAJ&hl=en>.
23. Das, U., **Rahaman, C.H.** and Mandal, S. (2009) Traditional uses of plant wealth in herbal medicine by the tribal people of Birbhum district, West Bengal, India. In: S. Mandal and S. Bhattacharya (eds.) *Advances in Plant Biology*, Binapani Educational and Welfare Trust, Santiniketan, West Bengal (India), pp.400-410. Google Scholar link- <https://scholar.google.com/citations?user=RdgFTwMAAAAJ&hl=en>.
24. Jana, P., **Rahaman, C.H.** and Banerjee N. (2009) Pharmaco-anatomical and phytochemical studies of *Plumbago zeylanica* Linn. (Plumbaginaceae) – An important medicinal plant. In: S. Mandal and S. Bhattacharya (eds.) *Advances in Plant Biology*, Binapani Educational and Welfare Trust, Santiniketan, West Bengal (India), pp. 318-336. Google Scholar link- <https://scholar.google.com/citations?user=RdgFTwMAAAAJ&hl=en>.
25. Jana, P., **Rahaman, C.H.** and Banerjee, N (2009). Occurrence of *Eleutherine bulbosum* (Miller) Urban (Iridaceae): A first report from Eastern India. *Journal of The Botanical Society of Bengal*. **63(2)**: 101-104.
26. **Rahaman, C.H.**, Ghosh, A. and Mandal, S. (2009) Studies on ethno-veterinary medicinal plants used by the tribals of Birbhum District, West Bengal.

- Journal of Economic and Taxonomic Botany*. **33**: 332-338. Google Scholar link-
<https://scholar.google.com/citations?user=RdgFTwMAAAAJ&hl=en>.
27. Ghosh, A., **Rahaman, C.H.** and Mandal, S (2011). Observation on the ethnomedicinal uses of plants for gynaecological, urino-genital and other related problems by the tribal people of Birbhum and Murshidabad Districts, West Bengal, India. *Journal of Economic and Taxonomic Botany*. **35(1)**: 17-26. Google Scholar link-
<https://scholar.google.com/citations?user=RdgFTwMAAAAJ&hl=en>.
28. Jana, P., **Rahaman, C.H.** and Banerjee, N (2011). High frequency plant regeneration through direct and indirect somatic embryogenesis in *Drimiopsis kirkii* Baker. *Columban Journal of Life Sciences*. **12 (1&2)**: 1-8.
29. **Rahaman, C.H.** and Pradhan, B (2011). A study on the ethnomedicinal uses of plants by the tribal people of Birbhum district, West Bengal. *The Journal of Economic and Taxonomic Botany*. **35(3)**: 529-534. Google Scholar link-
<https://scholar.google.com/citations?user=RdgFTwMAAAAJ&hl=en>.
30. **Rahaman, C.H.** and Saha, S (2011). Traditional phytotherapies for gynaecological, urino-genital and other related problems practiced among the rural people of Bolpur subdivision under Birbhum District, West Bengal, India. *Columban Journal of Life Science*. **12 (1&2)**: 73-78. ResearchGate link-
<https://www.researchgate.net/profile/Chowdhury-Habibur-Rahaman>
31. Choudhury, S., **Rahaman, C.H.**, and Mandal, S. (2012), Pharmacognostic studies of *Coccinia grandis* (L.) Voigt. – An important ethnomedicinal plant. In: G. G. Maiti and S. K. Mukherjee (eds.) *Multidisciplinary approaches in Angiosperm Systematics*, University of Kalyani, Kalyani; West Bengal. **Vol. 2**, pp. 637- 647, ISBN: 978-93-5067-867-1. Google Scholar link-
<https://scholar.google.com/citations?user=RdgFTwMAAAAJ&hl=en>.
32. Ghosh, A., **Rahaman, C.H.** and Mandal, S (2012), A contribution to the ethnobotanical uses of plants for Ethnomedicine and magico-religious belief by the tribals of Birbhum District, West Bengal. In: G. G. Maiti and S. K. Mukherjee (eds.) *Multidisciplinary Approaches in Angiosperm Systematics*, University of Kalyani, Kalyani, India. **Vol. 2**,

pp. 675-682, ISBN: 978-93-5067-867-1. Google Scholar link-
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33. Mondal, S. and **Rahaman, C.H.** (2012). Medicinal plants used by the tribals of Birbhum District, West Bengal and Dumka district, Jharkhand, India. *Indian Journal of Traditional Knowledge*. **11(4)**: 674-679. Article link-
<http://hdl.handle.net/123456789/14965>.
34. Pradhan, B. and **Rahaman, C.H.** (2012). Studies on plant wealth associated with folk medicine in Birbhum district, West Bengal, India. *Biocsa*. **3(1&2)**: 17- 20.
35. **Rahaman, C.H.** (2012). Ethnomedicinal plant resources of Birbhum district, West Bengal- A treasure trove for Bioprospecting. In: D. Bose and S. Roy (eds) *Biology of Plants and Microbes*, Levant Books, Kolkata, pp. 211-233, ISBN: 978-93-80663-63-0.
36. **Rahaman, C.H.** and Mondal, S. (2012). A new variety of *Jatropha nana* Dalzell & A. Gibson (Euphorbiaceae) from West Bengal, India. *Indian Journal of Forestry*. **35 (4)**: 477-480. Google Scholar link-
<https://scholar.google.com/citations?user=RdgFTwMAAAAJ&hl=en>.
37. **Rahaman, C.H.** and Das, U (2012). Traditional herbal remedies for gastro-intestinal problems practiced among the tribal and other communities of Birbhum district, West Bengal, India. *Biospectra*. **7(2)**:133-142.
38. **Rahaman, C.H.** and Mandal, S (2012). Morphological and ethnomedicinal consideration of *Euphorbia fusiformis* Buch.- Ham. ex D. Don : Some new observation from the district of Birbhum, West Bengal, India. *International Journal of Research in Ayurveda and Pharmacy*. **3(1)**: 113-116.
39. Choudhury, S., **Rahaman, C.H.** and Mandal, S (2013), Pharmacognostic and antimicrobial studies of *Trichosanthes cucumerina* L. – A Medicinal plant of Cucurbitaceae. In : J. P. Keshri and R. Mukhopadhyay (eds) *Medicinal Plants: Various Perspectives*, The University of Burdwan, Burdwan, pp. 142- 156, ISBN: 81-87259-85-X.
40. Choudhury, S., **Rahaman, C.H.** and Mandal, S (2013). Pharmacognostic studies of *Ampelocissus latifolia* (Roxb.) Planch - An important ethnomedicinal plant. *International Journal of Current Research*. **5(3)**: 643-648.

41. Choudhury, S., **Rahaman, C.H.**, Mandal, S. and Ghosh, A. (2013) Folk-lore knowledge on medicinal usage of the tribal belts of Birbhum district, West Bengal, India. *International Journal of Botany and Research*. **3(2)**: 43-50.
42. Saha, S. and **Rahaman, C.H** (2013). Pharmacognostic and anatomical studies of *Antigonon leptopus* Hook. & Arn. – A promising medicinal climber, *International Journal of Research in Ayurveda and Pharmacy*. **4(2)**: 186- 191.
43. Choudhury, S., **Rahaman C.H.** and Mandal, S (2014). *Micrococca mercurialis* Benth.– Pharmacognostic Analysis and Antimicrobial Activity of an Important Folk Medicinal Plant. *Journal of Biology, Agriculture and Healthcare*. **4 (27)**: 122-129.
44. Das, U. and **Rahaman C.H.** (2014). An observation on the phytotherapeutic uses of plants by the tribal people of some forest areas in Birbhum and Burdwan districts, West Bengal, India. *Journal of Applied Pharmaceutical Science*. **4(04)**: 072-078. DOI: 10.7324/JAPS.2014.40413.
45. Das, U. and **Rahaman, C.H.** (2014). Traditional knowledge on medicinal uses of plants by the tribal people of Birbhum District, West Bengal, India. In: N.C. Nandi (eds.) Proc. Nat. Sem. Trad. Knowl. & Soc. Prac., ZSI, Kolkata. pp. 11-20.
46. Ghosh, P. and **Rahaman, C.H** (2014). New distribution record of some members of Magnoliophyta from the forest areas of Burdwan district, West Bengal, *Indian Journal of New Biological Reports*. **3(3)**: 264 – 269.
47. Mandal, S.K. and **Rahaman, C.H** (2014). Determination of informants' consensus and documentation of ethnoveterinary practices from Birbhum district of West Bengal, India. *Indian Journal of Traditional Knowledge*. **13(4)**: 742-751. ResearchGate link: <https://www.researchgate.net/profile/Chowdhury-Habibur-Rahaman>.
48. Pal, K. and **Rahaman, C.H** (2014). Studies on Foliar Epidermal Micromorphology, Vegetative Anatomy and Xylem Elements of four members of Portulacaceae, *International Journal of Current Research*. **6 (02)**: 4968-4975.
49. Pradhan, B. and **Rahaman, C.H** (2014). New addition to the flora of Birbhum district, West Bengal, India. *Journal of New Biological Reports*. **3(3)**: 228 – 233.
50. Choudhury, S., **Rahaman, C.H.** and Mandal, S (2015). Pharmacognostic studies of *Lindernia parviflora* (Roxb.) Haines- an important ethnomedicinal herb. In: S. Ray and

- S.K. Sen (eds.) Molecular and biotechnological approach to resource utilization microbes to angiosperm, Levant books, Kolkata, India, pp.158-169, ISBN: 978-93-84106-04-1.
51. Das, U. and **Rahaman, C.H** (2015). An observation on the diversity of dye yielding plants of Birbhum district, West Bengal. In: S. Ray and S.K. Sen (eds.) Molecular and biotechnological approach to resource utilization microbes to angiosperm, Levant books, Kolkata, India, pp. 94-113, ISBN: 978-93-84106-04-1.
52. Ghosh, P. and **Rahaman, C. H** (2015). Pharmacognostic, Phytochemical and Antioxidant Studies of *Adenantha pavonina* L. *International Journal of Pharmacognosy and Phytochemical Research*. **7(1)**: 30-37. ResearchGate link: <https://www.researchgate.net/profile/Chowdhury-Habibur-Rahaman>.
53. Jana, P., **Rahaman, C. H.** and Banerjee, N (2015). Influence of carbon source on direct somatic embryogenesis in leaf culture of *Scilla indica* (Roxb.) Baker: an Indian medicinal plant. In: S. Ray and S.K. Sen (eds.) Molecular and biotechnological approach to resource utilization microbes to angiosperm, Levant books, Kolkata, India, pp. 143-150, ISBN: 978-93-84106-04-1.
54. Karmakar, S., and **Rahaman, C.H.** (2015). New distributional record of *Peristylus constrictus* (Lindl.)Lindl. from Southern West Bengal, India. *Journal on New Biological Reports*. **4(2)**: 159 – 161. ResearchGate link: <https://www.researchgate.net/profile/Chowdhury-Habibur-Rahaman>.
55. Mondal, S. and **Rahaman, C.H** (2015). New record of *Jatropha nana* var. *bengalense* C.H. Rahaman & S. Mondal (Euphorbiaceae) for the state of Jharkhand, India. *Journal of Non-Timber Forest Products*. **22(1)**: 17-20. Google Scholar link: <https://scholar.google.co.in/citations?hl=en&user=RdgFTwMAAAAJ>.
56. Pal, K. and **Rahaman, C.H** (2015). Phytochemical and Antioxidant Studies of *Justicia gendarussa* Burm. F. An Ethnomedicinal Plant. *International Journal of Pharmaceutical Sciences and Research*. **6(8)**: 3454-62. DOI: 10.13040/IJPSR.0975-8232.6(8).3454-62
57. Pradhan, B. and **Rahaman, C.H** (2015). Phytosociological study of plant species in three tropical dry deciduous forests of Birbhum District, West Bengal, *Journal of Biodiversity and Environmental Sciences*. **7(2)**: 22-31. URL: <http://www.innspub.net/wp-content/upl>.
58. **Rahaman, C.H.** (2015), Tribal Medicine: Traditional therapeutic uses of plants among the tribes of Birbhum district, West Bengal. In: S. E. Hussain and M. Saha (eds.) India's

Indigenous Medical System A Cross-Disciplinary Approach, Primus books, New Delhi, India, pp. 267- 298, ISBN: 978-93-80607-62-7.

59. **Rahaman, C.H.** and Karmakar, S (2015). Ethnomedicine of Santal tribe living around Susunia hill of Bankura district, West Bengal, India: The quantitative approach. *Journal of Applied Pharmaceutical Science*. **5(02)**: 127-136. Google Scholar link: <https://scholar.google.co.in/citations?hl=en&user=RdgFTwMAAAAJ>.
60. **Rahaman, C.H.** and Pal, K (2015), Phytochemical and antioxidant studied of *Hibiscus sabdariffa* L.- An ethnomedicinal plant. *Indo American Journal of Pharmaceutical Research*. **5(4)**: 1454-1462. DOI: 10.1044/1980-iajpr.150422.
61. **Rahaman, C.H.**, Pradhan, B. and Mondal, S. (2015). New Record of *Eulophia explanata* Lindl. (Orchidaceae) for the State of West Bengal, India. *Indian Forester*. **141(8)**: 902-904. Google Scholar link: <https://scholar.google.co.in/citations?hl=en&user=RdgFTwMAAAAJ>.
62. Saha, S., Mandal, S.K. and **Rahaman, C.H.** (2015). Anato-pharmacognostic studies of *Mikania micrantha* Kunth: a promising medicinal climber of the family Asteraceae. *International Journal of Research in Ayurveda and Pharmacy*; **6(6)**: 773-780; ISSN: 2229-3566 (online). DOI: 10.7897/2277-4343.066144.
63. Chaudhury, S., **Rahaman, C.H.** and Singh, H. (2016). Some ethnozoological uses of Birhor tribe, West Bengal, India. *Journal of Traditional and Folk Practices*. 02, 03, **04(1)**: 33-42. ResearchGate link: <https://www.researchgate.net/profile/Chowdhury-Habibur-Rahaman>.
64. Ghosh, P. and **Rahaman, C.H.** (2016) Pharmacognostic studies and phytochemical screening of aerial and root parts of *Cyanotis tuberosa* (Roxb.) Schult. & Schult.f. – an ethnomedicinal herb. *World Journal of Pharmaceutical Research*. **5(2)**: 1580-1601. ResearchGate link: <https://www.researchgate.net/profile/Chowdhury-Habibur-Rahaman>.
65. Mandal, S.K. and **Rahaman C.H.**(2016) Documentation and Consensus Analysis of Traditional Knowledge about Ethnoveterinary Medicinal Plants of Birbhum District, West Bengal (India). *International Journal of Livestock Research*. **6(1)**: 43-56. DOI: 10.5455/ijlr.20160113031509.
66. **Rahaman, C.H.** (2017) Quantitative Ethnobotany: Its importance in Bioprospecting and Conservation of Phytoresources. In: T. Pullaiah, K.V.Krishnamurthy and B.Bahadur

- (eds.) Ethnobotany of India (North-East India and Andaman and Nicobar Islands), **Vol.3**, Apple Academic Press, USA and world distribution by CRC Press, pp. 269- 292. ResearchGate link: <https://www.researchgate.net/profile/Chowdhury-Habibur-Rahaman>.
67. Mandal, S. K., Pradhan, B. and **Rahaman, C. H.** (2017). Two climbers new to the Flora of Birbhum District, West Bengal, India. *Journal of Economic and Taxonomic Botany*. **41(3-4)**: 129-131. ResearchGate link: <https://www.researchgate.net/profile/Chowdhury-Habibur-Rahaman>.
68. **Rahaman, C.H.** (2018) Indian Ethnobotany: Present Status and Future Prospect. In: T. Pullaiah, K.V.Krishnamurthy and B.Bahadur (eds.) Ethnobotany of India- The Indo-Gangetic Region and Central India, **Vol.5**, Apple Academic Press, USA and world distribution by CRC Press, pp. 653- 673. ISBN 978-1-315-18784-6.
69. Chaudhury, S., Singh, S. and **Rahaman, C. H.** (2018). Ethnomedicinal uses of plants by the Lodhas tribal group of West Bengal, India. *Journal of Traditional and Folk Practices*. **06(1)**: 67-97. DOI: 10.25173/JTFP.2018.6.1.91.
70. Chaudhury, S., **Rahaman, C. H.**, Singh, H, Chaudhuri, K., Pillai, B. and Seal, T. (2018). *Dioscorea alata*: A potent wild edible plant consumed by the Lodha tribal community of West Bengal, India. *Journal of Pharmacognosy and Phytochemistry*. **7(2)**: 654-663. ResearchGate link: <https://www.researchgate.net/profile/Chowdhury-Habibur-Rahaman>.
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(Annexure-2)

List of Conference/ Seminar attended and presented paper

1. **National Seminar** on “*Herbal Technology*” organised by Department of Botany, M S University of Baroda, Vadodara, Gujarat during 28th – 29th January, 2005.
2. UGC sponsored **National Conference – cum – Workshop** on “*Scientific value, Socio-economic value and proper utilization of Medicinal and Aromatic Plants*” organised by Department of Botany, B. N. Mahavidyalaya, Itachuna, Hoogly, West Bengal during February 25 – 27, 2005.
3. **National Conference** on “*Plant and Microbial Diversity: Prospects and Potentials*” organised by Department of Botany, Siksha-Bhavana, Visva-Bharati during December 17 – 19, 2005.
4. UGC sponsored **National Seminar** on “*Medicinal Plants: Its present Status, Prospects and Conservation*” organised by Midnapore College, Midnapore, West Bengal during 22 – 23rd March, 2006.
5. “*15th West Bengal State Science & Technology Congress*” organised by Department of Science & Technology, Government of West Bengal and Bengal Engineering & Science University, Shibpur, Howrah during 28 – 29th February, 2008.
6. **International Seminar** on “*Multidisciplinary approaches in Angiosperm Systematic*” and **XVIII Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT)** organised by Department of Botany, University of Kalyani, Kalyani during 11 – 13th October, 2008.
7. “*16th West Bengal State Science & Technology Congress*” organised by Department of Science & Technology, Government of West Bengal and University of Burdwan, Burdwan during 28th February – 1st March, 2009.
8. **International Symposium** on “*Angiosperm Systematic & Phylogeny: Retrospects & Prospects*” and **XIX Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT)** organised by National Botanical Research Institute (NBRI), Lucknow during 12 – 14th November, 2009.

9. **International Conference** on the theme “*Mother Earth: Save it for future generation*” organised by Department of Environmental Science, University of Burdwan, Burdwan during 13 – 15th February, 2010.
10. **National Seminar** on “*India’s Indigenous Medical System: Historical Perspective and Contemporary Relevance*” organised by Department of History, Visva-Bharati, Santiniketan during 20 - 21th February, 2010.
11. **National Conference** on “*Biodiversity & Natural Resource Utilization*” organised by Department of Botany, Visva-Bharati, Santiniketan during 14 – 16th March, 2010.
12. Participated and **Presented Paper** in the **XI International Conference of International Organization of Plant Biosystematists** on “*Evolution of plants from Tropical to High Mountain Ecosystem: Focus on Asia*” held at Department of Botany, Dr. B. A. Marathwada University, Aurangabad, Maharashtra (MS), India, from 2-4 September, 2010.
13. Participated and **Presented Paper** in the **XX Annual Conference of Indian Association for Angiosperm Taxonomy & International Symposium** on “*Taxonomy, Plant Diversity and Conservation*” held at Department of Botany, Bharathiar University, Coimbatore, Tamil Nadu during 26-28th November, 2010.
14. Participated the **National Seminar on Science and Nature : Tagore’s Vision and its Relevance** organized by Siksha-Bhavana, Visva-Bharati during 12-13 March, 2011.
15. Participated in the **National Seminar** on “*Traditional knowledge and Social practices promoting Biodiversity Conservation*” organized by Zoological Survey of India (**ZSI**) in collaboration with SEBA, West Bengal Biodiversity Board, Ramkrishna Vivekananda Mission Institute of Advanced Studies held at ZSI, Kolkata on 24th September, 2011.
16. Participated and **Presented Paper** in the **XXI Annual conference of Indian Association for Angiosperm Taxonomy & National Seminar** on “*Biodiversity Conservation and Climate Change*” held at CSIR – Institute of Minerals and Materials Technology (**IMMT**), Bhubaneswar, Odisha, during 2-4th December, 2011.
17. Participated and **Presented Paper** **UGC sponsored National Seminar** on “*Essence of Medicinal Plants with special reference to its cultivation, conservation and sustainable exploitation*” held at Department of Bioscience, Vivekananda Mahavidyalaya, Haripal, Hooghly, West Bengal on 9th December, 2011.

18. Participated the **National Symposium** on “*Plant Diversity and Resources: Evolution, Analyses, Stress and Challenges and Palaeophytodiversity: Its Aspects and Prospects*” organized by Botanical Society of Bengal & University of Calcutta held at Department of Botany, University of Calcutta, Kolkata during 20-22nd December, 2011.
19. Participated and **Presented Paper** in the **UGC sponsored National Seminar** on “*Recent Advances in Microbial Biotechnology*” Organised by Department of Botany, Kabi Nazrul College, Murarai, Birbhum, West Bengal during 10-11th January, 2012.
20. Participated and **Presented Paper** in the **National level Conference** on “*Biodiversity: Threats and Conservation through Traditional and Biotechnological approaches*” (Sponsored by UGC, CSIR & DST(West Bengal) organized by Department of Botany, Dum Dum Motijheel College in collaboration with Bose Institute, BSI, Kolkata held at Department of Botany, Dum Dum Motijheel College during 4-6th February, 2012.
21. Participated and **Presented Paper** in the **National Seminar on Rabindrachitra** organized by Visva-Bharati Adhyapaka Sabha during 11- 12 February, 2012.
22. Participated and **Presented Paper** in **International Symposium and XXII Annual Conference of Indian Association for Angiosperm Taxonomy** on “*Innovative Prospects in Angiosperm Taxonomy (ISIPAT-2012)*” organized by Department of Botany, Sant Gadge Baba Amravati University, Amravati, Maharashtra during 28th - 30th October, 2012.
23. Participated and **Presented Paper** in the **National Seminar** on “*Botanical Products in Human Welfare*” organized by the Department of Botany, Ramakrishna Mission Vivekananda Centenary College, Rahara, Kolkata, West Bengal on 11th January, 2013.
24. Participated and **Delivered Invited Lecture** in the **National Seminar** on “*Botanical Products in Human Welfare*” organized by the Department of Botany, Ramakrishna Mission Vivekananda Centenary College, Rahara, Kolkata, West Bengal on 11th January, 2013.
25. Participated and **Delivered Invited Lecture** in the **National Seminar** on “*Environmental Issues: Protection, Conservation & Management*” organized by the Department of Environmental Studies, Visva-Bharati, Santiniketan, West Bengal, from 22th-23th November, 2013.

26. Participated and **Delivered Invited Lecture** in the UGC-DRS sponsored **National Seminar** on “*Bioprospecting of Natural Products*” organized by the Department of Zoology, The University of Burdwan, Burdwan, West Bengal during 5-6th December, 2013.
27. Participated and **Presented Paper** in **XXIII Annual Conference of Indian Association for Angiosperm Taxonomy** on “*Recent Advances in Plant Taxonomy Research*” organized by Department of Botany, Rastrasant Tukadoji Maharaj Nagpur University, Nagpur, Maharashtra during 27th - 29th December, 2013.
28. Participated and **Presented Paper** in **International Congress of The Society for Ethnopharmacology** on “*Globalization Traditional Medicine : Present and Future Prospects*” organized by Faculty of Pharmacy, Sri Ramachandra University, Porur, Chennai, Tamil Nadu during 7th - 9th March, 2014.
29. **Made a Presentation** in the “*Two-day Workshop on Plant diversity: Utilization and Climate change*” organized by Visva-Bharati, Santiniketan, West Bengal during 19-20th March, 2014.
30. Participated **as an Expert** in the **3-Day Residential Field Training Programme** on “*Identification of Common Plants*” organized by West Bengal Biodiversity Board, Department of Environment, Govt. of West Bengal in collaboration with Botanical Survey of India, GOI & Visva-Bharati held at Department of Botany, Visva-Bharati during 22-24th March, 2014.
31. Participated in **National Seminar** on “*Excitements in Taxonomy and Ethnobotany for Young Researchers*” organized by Botanical Survey of India was held at Asutosh Birth Centenary Hall, Indian Museum on 19th June, 2014.
32. Participated and **Presented Paper** in the **1st Convention of Society for Ethnopharmacology and the National Seminar** on “*Opportunities in Medicinal Plant Research*” organized by School of Natural Product Jadavpur University, Kolkata, during 29th - 30th November 2014.
33. Participated and **Presented Paper** in the **National Symposium** on “*Plant diversity: Structure, Function, Utilization and Conservation*” organized by Botanical Society of Bengal in collaboration with Department of Botany, University of Calcutta during, 4th-6th December, 2014.

34. Participated and **Presented Paper** in the **2nd International Congress of Society for Ethnopharmacology, India** on “*Validation of Medicinal Plant and Traditional Medicine – Global Perspectives*” organized by Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, Maharashtra, India, during 20th -22nd February, 2015.
35. Delivered an **invited talk** in the **Seminar on Medicinal and Aromatic Plants used in AYUSH Medicines** organized by the Ramkrishna Mission Ashrama, Sargachi Ashram, Murshidabad, West Bengal, India during 21 -22 March, 2015.
36. Participated and **Presented Paper** in the **XXV Silver Jubilee Conference of Indian Association for Angiosperm Taxonomy** and Council Meeting of **International Association for Plant Taxonomy (IAPT)** and **International Seminar** on “*Advancements in Angiosperms Systematics and Conservation*” organized by Department of Botany, University of Calicut, Calicut, Kerala during 19th – 21st November, 2015.
37. Delivered an **invited talk** in the **National Seminar on Medicinal Plants** organized by the Department of Botany & Forestry, Vidyasagar University, Midnapur, West Bengal, India during 16 – 17th February, 2016.
38. Participated and **Presented Paper** in the **XXXIX All India Conference** of The Indian Botanical Society and **National Symposium** on “*New Approaches and Recent Challenges in Botany*” organized by the University Department of Botany, Ranchi University, Ranchi, Jharkhand during 21st -23rd , October, 2016.
39. Acted as **Organizing Secretary** of the **UGC-DRS** sponsored **National Seminar** on “*Plant and Microbe: Diversity and Utilization*” organized by the Department of Botany, Visva-Bharati, Santiniketan during 19th -20th March, 2016.
40. Participated in the **UGC-DRS** sponsored **National Seminar** on “*Plant and Microbial Resources: Utilization and Conservation*” organized by the Department of Botany, Visva-Bharati, Santiniketan during 15th -16th March, 2017.
41. Delivered an **invited talk** in the **XXVII Annual Conference** of Indian Association for Angiosperm Taxonomy (IAAT) and International Seminar on “Plant systematics: Priorities and challenges” organized by Department of Botany, University of Delhi, Delhi, during 10th–12th November, 2017.
42. Participated in the **UGC-DRS** sponsored **National Seminar** on “Recent Trends in Plant and Microbial Research” organized by the Department of Botany, Visva-Bharati, Santiniketan, West Bengal on 17th March, 2018.
43. Delivered an **invited talk** in the **XXVIII Annual Conference** of Indian Association for Angiosperm Taxonomy (IAAT) and International Symposium on “Conservation of angiosperm

diversity: Hidden treasure of today and tomorrow” organized by Department of Botany, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat during 29th - 31st October, 2018.

44. Delivered **Keynote Address**, in the **one -day Seminar** on celebration occasion of the “International Day for Biological Diversity” organized by Botanical Survey of India, Govt. of India, Howrah, West Bengal on 22nd May, 2019.
45. As **Invited Speaker** delivered a talk in the 27th West Bengal State Science and Technology Congress, 2020 held on 29th February, 2020 at Science City, Kolkata.

Acted as Chairperson, Co-chairperson and Judge in the technical sessions of Conference/Seminar/Symposium-

- 1 **Chairperson** in **International Symposium** on “*Taxonomy, Plant Diversity and Conservation*” and **XX Annual Conference** of Indian Association for Angiosperm Taxonomy (**IAAT**) organised by Department of Botany, Bharathiar University, **Coimbatore**, Tamil Nadu during 26-28th November, 2010.
- 2 **Chairperson** in **XXI Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT)** and **National Seminar** on “*Biodiversity Conservation and Climate Change (BCCC-11)*” organised by Environment and Sustainability Department, Institute of Minerals and Materials Technology, **Bhubaneswar**, Odisha during 2-4th December, 2011.
- 3 **Chairperson** in UGC & CSIR Sponsored **National level Conference** on “*Biodiversity: Threats and Conservation through Traditional and Biotechnological approaches*” organized by Department of Botany, Dum Dum Motijheel College in collaboration with Bose Institute, BSI, Kolkata held at Department of Botany, Dum Dum Motijheel College from 4-6th February, 2012
- 4 **Co- chairperson** in **National Seminar** on “*Medicinal Plants: Aspects and prospects*” organised by Department of Botany, University of Burdwan, Burdwan during 15 - 16th March, 2008.
- 5 **Co-chairperson** in **International Seminar** on “*Multidisciplinary approaches in Angiosperm Systematic*” and **XVIII Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT)** organised by Department of Botany, University of Kalyani, Kalyani during 11 – 13th October, 2008.

- 6 **Judge in a scientific session** for award competition of **International Symposium** on “*Taxonomy, Plant Diversity and Conservation*” and **XX Annual Conference** of Indian Association for Angiosperm Taxonomy (**IAAT**) organised by Department of Botany, Bharathiar University, **Coimbatore**, Tamil Nadu during 26-28th November, 2010.
- 7 **Acted as Judge** in the **T.R.Sahu Award Session** of **International Symposium** and **XXII Annual Conference** of **Indian Association for Angiosperm Taxonomy** on “*Innovative Prospects in Angiosperm Taxonomy (ISIPAT-2012)*” organized by Department of Botany, Sant Gadge Baba Amravati University, Amravati, Maharashtra during 28th - 30th October, 2012.
- 8 **Acted as Judge** in a **technical Session** of the **XXIII Annual Conference** of **Indian Association for Angiosperm Taxonomy** on “*Recent Advances in Plant Taxonomy Research*” organized by Department of Botany, Rastrasant Tukadoji Maharaj Nagpur University, Nagpur, Maharashtra on 29th December, 2013.
- 9 **Acted as Judge** in a **technical Session** of the **1st Convention of Society for Ethnopharmacology and the national seminar** on “*Opportunities in Medicinal Plant Research*” organized by **School of Natural Product, Jadavpur University**, Kolkata, during 29th - 30th November 2014.
- 10 **Chairperson** in a **technical Session** of the **National Symposium** on “*Plant diversity: Structure, Function, Utilization and Conservation*” organized by **Botanical Society of Bengal** in collaboration with **Department of Botany, University of Calcutta** during, 4th-6th December, 2014.
- 11 **Acted as Judge** in a **technical Session** of the **XXV Silver Jubilee Conference** of **Indian Association for Angiosperm Taxonomy** and **International Seminar** on “*Advancements in Angiosperms Systematics and Conservation*” organized by Department of Botany, University of Calicut, Calicut, Kerala during 19th – 21st November, 2015.
- 12 **Acted as Judge** in a **technical Session** of the **National Seminar on Medicinal Plants** organized by Department of Botany & Forestry, Vidyasagar University, Medinipur, West Bengal during 16 – 17th February, 2016.
- 13 **Acted as Chairperson** in a **technical Session** of the **National Seminar on Medicinal Plants** organized by Department of Botany & Forestry, Vidyasagar University, Medinipur, West Bengal during 16 – 17th February, 2016.

- 14 Acted as Judge** in a **technical Session** of the **XXXIX All India Conference** of The Indian Botanical Society and **National Symposium** on “ *New Approaches and Recent Challenges in Botany*” organized by the University Department of Botany, Ranchi University, Ranchi, Jharkhand during 21st -23rd , October, 2016.
- 15 Acted as Chairperson** in a **technical Session** of the **UGC-DRS** sponsored **National Seminar** on “*Plant and Microbial Resources: Utilization and Conservation*” organized by the Department of Botany, Visva-Bharati, Santiniketan, West Bengal during 15th -16th March, 2017.
- 16 Acted as Judge** in a **technical Session** of the XXVIII Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) and International Symposium on “Conservation of angiosperm diversity: Hidden treasure of today and tomorrow” organized by Department of Botany, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat during 29th - 31st October, 2018.