

DR CHANDAN DAS

Assistant Professor



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📍 EDUCATION

Ph.D. in Botany - The University of Burdwan, Burdwan, West Bengal.

➤ RESEARCH ACTIVITY

Research in Allelopathy, Phytochemistry,
Cytogenetics and Molecular Biology

➤ WORK EXPERIENCE

Name of the Institute and Address	Designation	Duration
M.U.C. Women's College, Burdwan	Assistant Professor	2008- Till date
Susunia High School, Ful-Susunia, Bankura	Assistant Teacher in Life Sc	2006-2008
Vivekananda Mahavidyalay, Burdwan	Part time Lecturer	2005-2006
Raniganj Girls's College, Raniganj, Burdwan	Part time Lecturer	2005-2006
Kendriya Vidyalay, Burdwan	PGT Biology (Contractual)	2004-2005
Talit Goureswar High School, Talit, Burdwan	Assistant Teacher in Life Sc (Contractual)	2003-2004

➤ ACADEMIC EXPERIENCE

List of Publication

- Paper:

1. Jaideep Mazumdar, Avishek Bhattacharjee, **Chandan Das** and Radhanath Mukhopadhyay (2010). Phytoliths of Fern V: In some Horsetails, Indian Fern Journal: **27** :78-87, (ISSN:0970-2741)
2. **Chandan Das** and A. Bandyopadhyay (2011). Search for Allelopathic potential of leaves of *Shorea robusta* Gaertn.f, Bionature :31(1): 29-35, ISSN : (0970-9835 (Print), 0974-4282 (Online)
3. Jaideep Mazumdar, **Chandan Das**, Sk. Samsuddin, Jagatpati Tah and Radhanath Mukhopadhyay (2012). Evaluation of Phytotoxic and Cytotoxic Potentials of Some fern. Bionature :31(2): 5-10, ISSN: (0970-9835 (Print), 0974-4282 (Online)
4. **C. Das** and S. Ghosh (2013). *Sahinia molesta* D. Mitch. as an effective hyper accumulator of toxic metals. Proceedings of the National Seminar on Challenges of Biology in 21st Century. (ISBN: 978-9380663-66-1).
5. **Chandan Das** & Jaideep Mazumdar (2017). *A New Name For Hbperzia arunachalensis (Lycopodiaceae)* from India, IJARIE :3(3):3112-3113, (ISSN :2395-4396)

6. Adwaita Das, **Chandan Das**, Abhijit Bandyopadhyay (2020). Changing Scenario of Agricultural Pest Control. H. K. Chourasia, K. Acharya and V.K. Singh (Eds.), Precision Agriculture and Sustainable Crop Production. Today and Tomorrow's Printers and Publishers, New Delhi, Pp – 129-148. (ISBN:9788170196679)
7. **Chandan Das**, Avishek Dey, and Abhijit Bandyopadhyay (2021). Allelochemicals: An Emerging Tool for Weed Management, S. C. Mandal et al. (eds.), Evidence Based Validation of Traditional Medicines, Springer Nature Singapore Pte Ltd. Pp-249- 259. ISBN: 978-981-15-8126-7; ISBN 978-981-15-8127-4 (eBook) (https://doi.org/10.1007/978-981-15-8127-4_12)
8. **Chandan Das** and Abhijit Bandyopadhyay (2021). Understanding allelopathic potential of *Shorea robusta* Gaertn. f. leaf extract. IJRAR.8(3):705-726; E-ISSN 2348-1269, P- ISSN 2349-5138

- **Paper Presented**

1. Presented a paper entitled “Searching for allelopathic potential of *Shorea robusta* Gaertn. f. leaf leachates.” in the National conference on Biodiversity & Natural resource Utilization, Organized by Department of Botany, Visva-Bharati, Santiniketan, West Bengal, March14-16,2010
2. Presented a paper entitled “Leaf leachate of *Shorea robusta* Gaertn. f. and its allelopathic effects on few plants”. in the Golden Jubilee Symposium on Recent Trends in Contemporary Plant Sciences, Organized by Department of Botany, The University of Burdwan, Burdwan, West Bengal, March 19-20,2010
3. Presented a paper entitled “Wetland Macrophytes-As Toxic Metal Hyper accumulator.” in UGC sponsored National level Symposium on Pollution: Disbalancing The Global Environment: Threats and Prevention, Organised by Faculty of Science, Bolpur College, in collaboration with NIT, Durgapur and Department of Biotechnology & Environmental Science, Burdwan University, March 05-06,2011
4. Presented a paper entitled “*Salvinia molesta* D.Mitch. as an effective hyper accumulator of Toxic metals.” in UGC sponsored National seminar on Challenges of Biology in the 21st Century. Organized by Department of Botany, M.U.C. Women's College, Burdwan, West Bengal, Dec.01-02,2011
5. Presented a paper entitled “Allelopathic potential of leaf leachates of *Shorea robusta* Gaertn.f. on seed germination of selected weed species.” in the UGC-CAS sponsored National Seminar on Contemporary Progress in Plant sciences. Organized by Department of Botany, The University of Burdwan, Burdwan, West Bengal, March 20-21,2015.
6. Presented a paper entitled on “Allelopathic impact of *Shorea robusta* Gaertn. f. leaf aqueous extracts on *Parthenium hysterophorus* and *Eupatorium odoratum*” in 2nd Regional Science & Technology Congress (Western Region), 2017 [2nd RSTC (WR), 2017], The University of Burdwan, Burdwan, November, 16-17,2017
7. Presented a paper entitled on “Using allelopathy of *Alstonia scholaris* leaf aqueous extracts as herbicidal tools on some selected weeds. in the W.B. Biodiversity Board sponsored National Seminar on “Local Biodiversity” Organised by Department of Botany, RRR Mahavidyalaya, Radhanagar, Hooghly, West Bengal, January 30,2018.
8. Presented a paper entitled on “Medicinal Plant: Real Friend of Mankind (A Review)” in the National Tea Research Foundation, Govt. Of India, National Seminar on “Non-Communicable Disease and Its Prevention: Challenge with Nutraceutical” Organized by Department of Nutrition, M.U.C. Women's College, Burdwan, West Bengal, February 28,2018.
9. Presented a paper entitled on “Allelopathy of *Shorea robusta* Gaertn. f.: Allelochemicals and their Interactions” in 4th Regional Science & Technology Congress (Western Region), 2019 [4th RSTC (WR), 2019], The University of Burdwan, Burdwan, December, 09-10,2019

10. Presented a paper entitled on “Nanotechnology for Plant Disease Management and Crop Protection” in the International Conference on Climate Change, Precision Agriculture & Innovative Disease Control Strategies for Sustainable agriculture. Organized by University Department of Botany, T.M. Bhagalpur University, Bhagalpur, Bihar, February 25-27, 2020.
 11. Presented a paper entitled on “Nanotechnology for Plant disease management: A brief review” in the International Conference on “Life and Environment: Issues and Concern”. organized by Department of Botany, Vivekananda Mahavidyalaya in collaboration with Internal Quality Assurance Cell (IQAC), Vivekananda Mahavidyalaya, Burdwan on 9th March 2023.
 12. Presented a paper entitled on “Understanding the nanotechnology for Plant disease management” on seminar on “A Glimpse of Plant Science” organised by the Department of Botany in collaboration with Internal Quality Assurance Cell, Ramananda Centenary College, Laulara, Purulia on 17th March, 2023.
- **Invited lecture**
 1. Lecture on “Understanding Allelopathy of *Shorea robusta* Gaertn. f.: Allelochemicals and their Interactions” in National Seminar on Potentials and Prospect of Allelopathy in Management of Plant Diseases for Sustainable Agriculture. Organised by J.P. College, Narayanpur and T.N.B. College, Bhagalpur in collaboration with T.M.Bhagalpur University, Bhagalpur, Bihar, July.20-21, 2018
 - **Attended Seminar/Workshop/Symposium**
 1. National Seminar cum Workshop on “Advanced Instrumentation Techniques for Teaching and Research in biological Sciences” Organised by Department of Botany, UGC-CAS, The University of Burdwan, Burdwan, West Bengal, March 25-28, 2009
 2. Silver Jubilee Celebration of the Plant Physiology Forum presents a National Symposium on “Advances in Plant Sciences, Agri-Biotechnology and Food Security” Organised by Department of Botany, Visva-Bharati, Santiniketan, West Bengal, April 10, 2009.
 3. UGC sponsored National Seminar on “Resurgent Vector –Borne Diseases and Climate Change: A Threat to Mankind.” Organised by Department of Zoology, M.U.C. Women’s College, Burdwan, West Bengal, and December 15-16, 2010.
 4. UGC sponsored National Seminar on “Frontier in Chemistry” Organised by Department of Chemistry, M.U.C. Women’s College, Burdwan, West Bengal, December 04-05, 2013.
 5. UGC sponsored National Workshop on “Aspect and Prospects of Biofertilizer and Biomanure”. Organised by Department of Botany, Raja Rammohun Roy Mahavidyalaya, Radhanagar, Nangulpara, Hooghly, WB, December 05-06, 2014.
 6. The University of Burdwan sponsored “Burdwan District Level Inter-College Special NSS Camping Programme, 2015-16.” Organised by NSS Unit, M.U.C. Women’s College, Burdwan, West Bengal, April 20-24, 2015.
 7. One day National level Faculty Development Program on “Python & LaTeX.” Organised by Department of Computer Science, M.U.C. Women’s College, Burdwan West Bengal in Collaboration with Spoken Tutorial, I.I.T. Bombay. February 03, 2017.
 8. State Level Seminar on “Community Nutrition & Health: 21st Century Perspective.” Organized by Department of Nutrition, M.U.C. Women’s College, Burdwan, West Bengal, February 04, 2017.
 9. UGC sponsored National Workshop on “Food Security: A Challenge to Agriculture.” Organized by Department of Botany, Netaji Mahavidyalaya, Arambag, Hooghly, W.B. February 09-10, 2017.
 10. Two Days Workshop on “Expanding Molecular Approaches to Health and Welfare” Organized by Department of Biotechnology, DBT, Govt. of India & DBT-BOOST(III), Govt. of West Bengal Recognized, The University of Burdwan, Burdwan, West Bengal, March 21-22, 2017

11. National Workshop 5-Day (One Week) on “Statistical Data Analysis in Multidisciplinary Research –Learning through Software” Organized by Department of Statistics, Siksha Bhavana (Institute of Science), Visva-Bharati, Santiniketan, West Bengal, August,27-31,2018
12. State-Level Seminar entitled “Nature Inspired Biological Computation, NIBC-2019” Organized by Department of Computer Science, M.U.C. Women’s College Burdwan, West Bengal, February 28, 2019.

Any information

- Editorial board member of the *Proceedings of the seminar on Challenges of Biology in 21st Century*, Levant Books publication (ISBN: 978-9380663- 66-1).
- Life member fellow of the society of Bionaturalists.

Attended OP/RC

1. 78th UGC sponsored Orientation Programme (11th January-7th February,2011) from UGC-Academic Staff College, The University of Burdwan.
2. 23rd UGC sponsored Refresher Course (18th February -10th March, 2014) in Environmental Studies (Sciences) from UGC-Academic Staff College, The University of Burdwan.
3. Refresher Course (25th June -8th July, 2019) in Nano Sciences in modern day research and technology from UGC-HRDC, The University of Burdwan.
4. Refresher Course in Advances in Nano-Science and Nano-Technology (26th November 2021 to 9th December 2021) from UGC-HRDC, The University of Burdwan