

## CV



**Name:** Dr Chittaranjan Das

**Designation:** Assistant Professor

**Contact address:** Department of Botany

Kulti College (State Govt. aided College)

(Affiliated to Kazi Nazrul University; Registered under UGC (2F) &12(B); NAAC Accredited)

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**Date of Joining:** January 18, 2017

**Academic Qualification:** M.Sc., B. Ed, Ph.D. • SET Qualified

Thesis title- “Nutrient dynamics study of few selected tree species of Ramna forest, Burdwan, West Bengal”

**Position held:** Assistant Professor (Stage- 2)

**Area of Research interest:** Forest Ecology, Nutrient dynamics and Stress Physiology of Plant

### **List of published paper in journals:**

- ❖ **Das C and Mondal NK (2024)** A case study of nutrient retranslocation in four deciduous tree species of West Bengal tropical forest, India. *Tropical Ecology Journal*. Springer (**International**); Electronic ISSN 2661-8982; Print ISSN 0564-3295; **IF=1.6** (2022). <https://doi.org/10.1007/s42965-024-00352-x>
- ❖ **Das C (2024)** Prevalence and Impact of Emerging Chemical Contaminants in the Life Style Products on Human Health. *Oriental Journal of Physical Sciences*; 9(1). Available: <https://bit.ly/3JnATU3>
- ❖ **Das C, Mondal NK (2019)** Temporal and vertical variation of selected extracellular enzyme activities on tree litter degradation of a subtropical forest. *Journal of Agriculture Research*. 8(1):84-91. ISSN: 2249- 720X//2249- 7218, **Publisher:** Springer (**National**). <https://doi.org/10.1007/s40003-018-0353-3>, **IF=1.4** (2022) URL: <https://link.springer.com/article/10.1007/s40003-018-0353-3>
- ❖ Debnath P, Mondal A, Hajra A, **Das C**, Mondal NK (2018) Cytogenetic effects of silver and gold nanoparticles on *Allium cepa* roots. *Journal of Genetic Engineering and Biotechnology*, 16:519-526, ISSN:1687-157X, E-ISSN:2090-5920, **Publisher:** Elsevier (**International**), **IF=** data not available. <https://doi.org/10.1016/j.jgeb.2018.07.007>  
URI: <https://www.sciencedirect.com/science/article/pii/S1687157X1830074X>
- ❖ **Das C, Mondal NK (2016)** Litterfall, decomposition and nutrient release of *Shorea robusta* and *Tectona grandis* in a sub-tropical forest of West Bengal, Eastern India. *Journal of Forestry Research*, 27(5):1055–1065, ISSN: 1007- 662X//1993-0607, **Publisher:** Springer (**International**), **IF=0.748** (2017); <https://doi.org/10.1007/s11676-016-0208-3>  
URL: <https://link.springer.com/article/10.1007/s11676-016-0208-3>
- ❖ **Das C, Dey U, Chakraborty D, Datta JK and Mondal NK (2015)** Fluoride toxicity effects in potato plant (*Solanum tuberosum* L.) grown in contaminated soils. *Octa Journal of Environmental Research*, 3(2): 111-119. ISSN 2321- 3655, **Publisher:** Scientific Planet Society, (**National**), **IF=0.654**(2015)  
URL: [http://sciencebeingjournal.com/sites/default/files/03-150606\\_0302\\_NKM.pdf](http://sciencebeingjournal.com/sites/default/files/03-150606_0302_NKM.pdf)

***Updated: till May 2024***

## CV

- ❖ Mondal NK, Pal KC, Dey M, Ghosh S, **Das C**, Datta JK (2015) Seasonal variation of soil enzymes in areas of fluoride stress in Birbhum District, West Bengal, India. *Journal of Taibah University for Science*, 1–10, ISSN: 1658-3655, **Publisher:** Taylor & Francis (**International**), **IF= 1.640(2018)**  
<https://doi.org/10.1016/j.jtusci.2014.10.004>  
URL: <https://www.sciencedirect.com/science/article/pii/S1658365514001034>
- ❖ Mondal NK, **Das C**, Datta JK (2015) Effect of mercury on seedling growth, nodulation and ultrastructural deformation of *Vigna radiata* (L) Wilczek. *Environmental Monitoring and Assessment*, 187:241, ISSN: 0167-6369, **Publisher:** Springer (**International**), **IF =1.804(2018)**  
<https://doi.org/10.1007/s10661-015-4484-8>  
URL: <https://link.springer.com/article/10.1007/s10661-015-4484-8>
- ❖ Mondal NK, Chakraborty D, Roy P, Roy TK, **Das C**, Bhaumik R, Pal KC, Medda S, Datta JK (2014) Correlation between arsenic intoxication and cognitive ability of primary school children of West Bengal. *Asian Pacific Journal of Tropical Disease*, 4(Suppl 2): S850, **Elsevier**, **IF=1.13(2015)**  
[https://doi.org/10.1016/S2222-1808\(14\)60743-X](https://doi.org/10.1016/S2222-1808(14)60743-X)  
URL: <https://oaji.net/articles/2016/3556-1469499995.pdf>
- ❖ Mondal NK, Panja D, **Das C**, Dey U, Das K (2014) Impacts of vehicle exhaust black soot on germination of gram seed (*Cicer arietinum* L.). *Communication in Plant Science*, 4(1-2): 01-09. ISSN 2237 – 4027, (**National**).URL:[https://complantsci.files.wordpress.com/2014/02/complantsci\\_4\\_1\\_1.pdf](https://complantsci.files.wordpress.com/2014/02/complantsci_4_1_1.pdf)
- ❖ Mondal NK, Bhaumik R, Dey U, Pal KC, **Das C**, Maitra A, Datta JK (2014) Fluoride remediation using floating macrophytes. *Communication in Plant Science*, 4(1-2): 23-33. ISSN 2237 – 4027, (**National**). URL:[https://complantsci.files.wordpress.com/2014/04/complantsci\\_4\\_1\\_4.pdf](https://complantsci.files.wordpress.com/2014/04/complantsci_4_1_4.pdf)
- ❖ Mondal NK, Dey U, Khatun S, Das K, **Das C** (2014) Toxic Effect of Cigarette Origin Tobacco Leaf (*Nicotiana tabaccum* L.) and Cigarette Smoke Extract on Germination and Bio-Chemical Changes of Bengal Gram (*Cicer arietinum* L.). *Journal of Stress Physiology & Biochemistry*, 10(1):135-144, ISSN: 1997-0838, **Publisher:** Siberian Institute of Plant Physiology & Biochemistry, Russia (**International**). **IF-** data not available. URL: [http://www.jspb.ru/issues/2014/N1/JSPB\\_2014\\_1\\_135-144.pdf](http://www.jspb.ru/issues/2014/N1/JSPB_2014_1_135-144.pdf)
- ❖ **Das C**, Aditya P, Datta JK, Mondal NK (2014) Soil enzyme activities in dependence on tree litter and season of a social forest, Burdwan, India. *Archives of Agronomy and Soil Science*, 60 (3): 405–422. ISSN0365-0340, **Publisher:** Taylor & Francis (**International**), **IF=1.76** (2015).  
<https://doi.org/10.1080/03650340.2013.789869>  
URL: <https://www.tandfonline.com/doi/abs/10.1080/03650340.2013.789869>
- ❖ Mondal NK, **Das C**, Roy S, Datta JK, Banerjee A (2013) Effect of Varying Cadmium Stress on Chickpea (*Cicer arietinum* L) Seedlings: An Ultrastructural Study. *Annals of Environmental Science*, 7:59-70. ISSN 1939-2621, **Publisher:** Northeastern University, Boston, Massachusetts (**International**). **IF-** data not available. URL: <https://openjournals.neu.edu/aes/journal/article/view/v7art5/v7p59-70>
- ❖ Mondal NK, Bhaumik R, **Das C**, Aditya P, Datta JK, Banerjee A, Das K (2013) Assessment of indoor pollutants generated from bio and synthetic fuels in selected villages of Burdwan, West Bengal. *Journal of Environmental Biology*, 34 (5):963-966.ISSN: 0254-2704, **Publisher:** Triveni Enterprises, Lucknow, India (**National**), **IF =0.83** (2015) URL: <https://pubmed.ncbi.nlm.nih.gov/24558813/>

Updated: till May 2024

## CV

- ❖ Das B, Mondal NK, Bhaumik R, Roy P, Pal KC, **Das C (2013)** Removal of copper from aqueous solution using alluvial soil of Indian origin: Equilibrium, Kinetic and Thermodynamic study. *Journal of Materials and Environmental Science*, 4 (4): 392-408. ISSN : 2028-2508, **IF =0.76** (2015)  
URL: [https://www.jmaterenvirosci.com/Document/vol4/vol4\\_N4/61-JMES-313-2012-Das.pdf](https://www.jmaterenvirosci.com/Document/vol4/vol4_N4/61-JMES-313-2012-Das.pdf)
- ❖ **Das C**, Mondal NK, Aditya P, Datta JK, Banerjee A, Das K (2012) Allelopathic Potentialities of Leachates of Leaf Litter of Some Selected Tree Species on Gram Seeds under Laboratory Conditions. *Asian Journal of Experimental Biological Science*, 3(1): 59-65. ISSN- 0975- 5845, **Publisher:** Society of applied sciences, Agra, India (**National**).  
URL: <https://www.cabdirect.org/cabdirect/abstract/20123090484>
- ❖ **Das C**, Bhaumik R, Mondal NK (2012) Effect of iron dusts on physiological responses of gram seedlings (*Cicer arietinum* L.) under laboratory conditions. *Journal of Stress Physiology & Biochemistry*, 8 (3): 37-45. ISSN 1997-0838, **Publisher:** Siberian Institute of Plant Physiology & Biochemistry, Russia (**International**).  
URL: [http://www.jspb.ru/issues/2012/N3/JSPB\\_2012\\_3\\_37-45.pdf](http://www.jspb.ru/issues/2012/N3/JSPB_2012_3_37-45.pdf)
- ❖ Bhaumik R, Mondal NK, Das B, Roy P, Pal KC, **Das C**, Banerjee A, Datta JK (2012) Eggshell Powder as an Adsorbent for Removal of Fluoride from Aqueous Solution: Equilibrium, Kinetic and Thermodynamic Studies. *E-Journal of Chemistry*, 9(3):1457-1480. ISSN: 0973-4945. **Publisher:** Hindawi, **IF =1.726**(2017). <https://doi.org/10.1155/2012/790401>  
URL: <https://downloads.hindawi.com/journals/jchem/2012/790401.pdf>

### Chapters in Books published with ISBN/ISSN

Sr. No	Title of the Book	Title of the Book chapter	Name of the Publisher with address	ISBN/ISSN NO.
1	“An Innovative Approaches on Environmental Sustainability and Toxicology” <b>Published on 09-08-2021</b>	“Emerging Concern of Microplastics as Contaminants in the Aquatic Environment”	Lambert Academic Publishing	9 7 8 6 2 0 4 1 9 1 5 0 8
2	Silent Smile of the Green World: Covid-19 and Our Future <b>7th Issue, Oct 2021</b>	Future Shock of Covid-19 in Teaching-Learning System	Termites Environmental Magazine	978-984-35-1407-3

### List of paper Presentation in Seminar/Conference/workshops etc.:

- Participated and presented a paper in the 2nd international science conference on “**Science & Sustainability: Challenges to Sustainability and Survivability (SECSS-2023)**” organized by Syamsundar College in association with Indian Photobiology Society, Kolkata held on August 11, 2023. Title of the abstract: Decomposition of Forest Litter Associated with Nutrient Release of selected Species in Southern region of West Bengal”
- State level seminar on “**5th Regional (WR) Science and Technology Congress- 2023**” organized by Burdwan University, Burdwan, West Bengal held on 6-7<sup>th</sup> January 2023. Title of the Paper- “Nutrient retranslocation of deciduous tree species in Southern Bengal “
- Participated and presented a paper in the national seminar on “**Popular and Basic Sciences: A Quest towards Foundation of Science**” Organized by Sarat Centenary College, Dhaniakhali, Hooghly, WB,

Updated: till May 2024

## CV

PIN-712302 held on 23-24 September, 2022, Sponsored by Department of Science & Technology and Biotechnology (DSTBT), Govt. of West Bengal Title of the Paper: “Decomposition of forest waste and nutrient release of selected species in a subtropical region, West Bengal”.

- Participated and presented a paper in the international seminar on “*Sedentary lifestyle, food habits and health hazards challenges of the 21<sup>st</sup> century*”, organized by WBGTA in collaboration with Chandernagore College, Chandernagore, Hooghly, held on 8<sup>th</sup> May 2022. Title of the Paper- “Impact of fast food consumption on human health among the younger generation”.
- Participated and presented a paper in the State level seminar on “*4<sup>th</sup> Regional (WR) Science and Technology and Biotechnology Congress- 2019*” organized by The University of Burdwan, West Bengal held on 9-10<sup>th</sup> December, 2019. Title of the Paper- “Nutrient retranslocation of deciduous tree species in a sub-tropical forest, West Bengal”
- Participated and presented a paper in the State level seminar on “*3<sup>rd</sup> Regional (WR) Science and Technology Congress- 2018*” organized by Sidho Kanho Birsha University, Purulia, West Bengal held on 20-21<sup>th</sup> December 2018. Title of the Paper-“An enzymatic approach to plant nutrient transformations in soils during litter decomposition of forest species, Bardhaman, West Bengal”
- National seminar on “*Biodiversity conservation and Bio-resource management benefitting man and nature*” organized by department of Botany and Zoology, Bankura Sammilani College, Bankura, West Bengal held on 11<sup>th</sup> December 2018. Title of the Paper: “Leaf litter decomposition of five plant species in a sub-tropical forest of Bardhaman, West Bengal”.
- International seminar on “*Frontiers in Biological Environmental and Medical sciences*” organized by The University of Burdwan, West Bengal held on 8-10<sup>th</sup> March 2018. Title of the Paper- “Leaf litterfall and degradation pattern of selected tree species in a sub-tropical forest of Purba Bardhaman, West Bengal”.
- International seminar on “*Science past, present and future*” organized by Shyamsundar College, Purba Barddhaman, West Bengal held on 12<sup>th</sup> Dec 2017. Title of the Paper- “Leaf litter decomposition and nutrient release of selected tree species in a sub-tropical forest of Purba Barddhaman, West Bengal”.
- State level “*2<sup>nd</sup> Regional (WR) Science and Technology and Biotechnology Congress-2017*” organized by The University of Burdwan, West Bengal held on 16-17<sup>th</sup> Nov. 2017. Title of the Paper- “A comparative study of leaf litter degradation through kinetic modelling of few selected tree species of a sub-tropical forest, Burdwan, West Bengal”.
- International seminar on “*International Science Seminar*” organized by Burdwan Raj College, Purba Barddhaman, and West Bengal held on 16-17<sup>th</sup> Nov. 2017. Title of the Paper- “Leaf litter production, chemistry and temporal decomposition dynamics of few selected tree species of Ramna forest, Burdwan, West Bengal”.
- ISMPP (east zone) and National seminar on “*Impact of changing environment on plants, microbes and their interactions*” organized by Department of Botany, Visva-Bharati University, Santiniketan, Birbhum, West Bengal held on 13-14<sup>th</sup> Sept. 2017. Title of the Paper- “A study of multifold ecological benefits of leaf litter as an ecosystem service with particular reference to nutrient dynamics”.

Updated: till May 2024

## CV

- State level “**1<sup>st</sup> Regional Science and Technology Congress- 2016**” organized by Bankura Christian College, Bankura, West Bengal held on 7-8<sup>th</sup> November 2016. Title of the Paper- “Impact of litter substrate quality and soil nutrients on leaf litter decomposition dynamics in a subtropical reserve forest in Eastern India”.
- UGC sponsored National seminar on “**Challenges of Biology in the 21<sup>th</sup> century**” organized by Department of Botany, MUC College, Burdwan, West Bengal held on 1- 2<sup>nd</sup> Dec 2011. Title of the Paper- “Spatial and temporal variation of soil exocellular enzymes influence by litter types of a social forest in Burdwan”.
- UGC sponsored (National) on “**Pollution: Disbalancing the global environment: threats and prevention**” organized by Department of Botany, Bolpur College, Birbhum, West Bengal held on 5-6<sup>th</sup> March 2011. Title of the Paper- “Biochemical nature of mature leaf, leaf litter, and leaf leachate of few selected tree species and allelopathic effects of leaf leachate on seed germination of gram seed (*Cicer aurietinum*)”.

### **List of participation in seminar/workshops etc.:**

- Participated one day national seminar on “**Somokalin Sahitya and Sanskriti**” held on 16<sup>th</sup> May, 2023 at Kulti College, Paschim Bardhaman.
- Participated 2 day workshop on “**Indoor air pollution and public health**” which is scheduled on and from 23.03.2023 to 24.03.2023 at the Department of Environmental Science, The University of Burdwan.
- Participated 2 day workshop on “**Designing Competitive Grant Proposal’ Under Scientific Social Responsibility**” on 10th & 11th February 2023 organized by Dept. of Zoology, Burdwan University.
- Participated 2 day workshop on “**Synthesis, characterization and Application of Nanoparticles**” organized by Dept. of Environmental Science, Burdwan University held on April 22 to 23, 2022
- Participated on “**10 days research methodology course in social science**” organized by Department of Environmental Science, University of Burdwan, West Bengal held on 16-27<sup>th</sup> December 2019
- Participated One day state level seminar on physics, “**World Science day: Circulating physics to everyone and everywhere**” organized by department of physics and mathematics, Kulti College, WB held on 22<sup>nd</sup> Nov. 2019
- Participated in workshop on “**Promotion under carrier advancement scheme (CAS)**” organized by Bejoy Narayan Mahavidyala, Itachuna, Hooghly, West Bengal held on 19<sup>th</sup> July 2019.
- Participated in national seminar on “**Climate change and water crisis**” organized by IEST, Shibpur, Howrah, West Bengal held on 21<sup>st</sup> June 2019.
- Participated Workshop on “**Health and social awareness camp**” for teachers held on 14 -15<sup>th</sup> February 2015 organized by Indian Red Cross society at Burdwan Municipal high school, Burdwan, West Bengal.
- Participated State level science seminar on “**21<sup>st</sup> West Bengal Science and Technology Congress- 2014**” organized by Burdwan University held on 20- 21<sup>th</sup> February 2014.

Updated: till May 2024

## CV

### Invited lectures:

- Delivered invited lecture on “*Celebration of World Environmental Day-2021*” held on 8th June, 2021, organized by Department of Environmental Science, Syamsundar College (Affiliated to Burdwan University) Shyamsundar, Purba Bardhaman, West Bengal.

### List of participation in orientation/refresher/winter or summer school/STC etc. courses:

S.N.	Name of the course	Organized by	Duration
1	STC on “Remote Sensing & GIS”	UGC-HRDC, Burdwan University	12/03/2019 to 18/03/2019
2	RC on "Environment and Sustainability	UGC-HRDC, Burdwan University	03/01/2020 to 16/01/2020
3	Faculty Induction Programme (FIP)	UGC-HRDC, North Bengal University	23/11/2020 to 22/12/2020
4	STC on “E-content Development and Online Pedagogy”	UGC-HRDC, Burdwan University	21/06/2022 to 27/06/2022
5	RC in Environmental Science	UGC-HRDC, Burdwan University	20/08/2022 to 02/09/2022
6	NEP Orientation and Sensitization-7	Malaviya Mission Teacher Training Centre [Formerly UGC-HRDC] The University of Burdwan	05/03/2024 to 14/03/2024

### List of special training courses/camp attended as NSS/NCC programme/cadet officer:

S.N.	Name of the course	Organized by	Duration
1	NSS Special camp on “Plastic Free Society”	Kulti College NSS Unit, Kulti, Paschim Bardhaman	10/05/2023 to 16/05/2023

### Any other information:

Administrative experiences:

- Answer scripts evaluator, paper setter and examiner of theory & Practical paper of Botany under KNU.
- Coordinator of Environmental Studies of the College
- Nodal officer of the student credit card under the scheme of WB.
- NSS program officer of the College
- Secretary of Teachers’ Council of the College
- Member of academic, admission, examination, library committee and grievance cell

### List of journals where acts as reviewer:

- Environmental Nanotechnology, Monitoring & Management (Elsevier)
- Applied Water Science (Springer)
- Environmental Research (Elsevier)
- Chemosphere (Elsevier)
- Environmental Sustainability (Springer)

Updated: till May 2024

## CV

### Google scholar Cited (till May 2024)

	All	Since 2019
Citations	702	441
h-index	10	9
i10-index	10	9

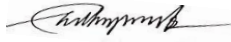
Google Scholar: <https://scholar.google.com/citations?user=4H-5OUkAAAAJ&hl=en>

ORCID: <https://orcid.org/0000-0002-4364-2383>

VIDWAN: <https://vidwan.inflibnet.ac.in/profile/360515>

ResearchGate: <https://www.researchgate.net/profile/Chittaranjan-Das-3>

ResearcherID: <https://www.webofscience.com/wos/author/record/HSD-1543-2023>



[Dr Chittaranjan Das]



Updated: till May 2024