

BIODATA



Name: Dr. JYOTISMITA DAS

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Marital satus: Married

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P.O: Nalbari, Dist. Nalbari, Assam, Pin-781335

Educational Qualification: Ph.D (Zoology)

Title of the Ph. D. work: Studies on the Diversity of Aquatic Avifauna and the Ecology
of *Dendrocygna bicolor* (Vieillot) in Deepor Beel Ramsar site, Assam, India.

Special Paper in M.Sc: Animal Ecology and Wildlife Biology.

Research Fellowship Received: Received the UGC-RFSMS (Research Fellowship for
Meritorious student) for completion of the research works.

Academic Records From H.S.L.C onwards:

Name of the Examination	Board/University
H.S.L.C	SEBA
H.S	AHSEC
B.Sc (Major in Zoology)	Gauhati University
M.Sc (Zoology) Specialization in Animal Ecology and wildlife Biology)	Gauhati University
CCCA (Certificate Course in Computer Application)	Three months certificate course in computer application covering computer fundamentals, MS- DOS, MS-Office, Windows'98
Ph.D (With Course work)	Gauhati University

Teaching Experience:

1. Worked as a Lecturer in Zoology Department, Guwahati College under FIP scheme of UGC (Lien Vacancy) from 2004-2006.
2. Joined in Nowgong College (Autonomous) on 28/03/2013 as Assistant Professor in Zoology.

Posts held after appointment at this Institution:

Designation	Department	Date of Actual Joining		Grade
		From	To	
Assistant Professor	Zoology	28.03.2013	28.03.1017	Stage :I
Assistant Professor	Zoology	28.03.1017	Till now	Stage-II

Research Experience: 18 years from the start of the Ph.D Program.

Travel Grant Received : Received the Travel Grant from DST for attending International Conference in Houston, Texas, USA on 2012.

Research papers published (National & International Journals having ISSN number):

1. Paper Published in *Journal of Research in Biology*, An International Open Access Online Research Journal, entitled “Species Diversity of Water Birds in Deepor Beel, Assam.” (Author: Jyotismita Das¹ and P.K Saikia², 5: 363-369. ISSN-Print: 2231–6280; Online: 2231- 6299).
2. Paper Published in *Journal of Threatened Taxa* entitled “Diurnal activity budgets of large whistling teal *Dendrocygna bicolor* (vieillot, 1816) in Deepor Beel wetland Assam, India. (Author: Jyotismita Das¹. Hemen Deka²and P.K Saikia³, 3(12): 2263–2267, ISSN 0974-7907 (online), 0974-7893 (print).
3. Paper published in *NeBio (International Journal)* entitled “Seasonal variation of avian diversity in Deepor Beel Wetland, Kamrup, Assam. (Author: Jyotismita Das¹ and P.K Saikia², 3(1)):25-34. ISSN 0976-3597 (Print).
4. Paper published in *Journal of Research in Biology*, An International Open Access Online Research Journal, entitled “Conservation Threats to the Water Birds in Deepor Beel, Assam”. (Author: Jyotismita Das¹ and P.K Saikia², 5: 001-005. ISSN-Print: 2231–6280; Online: 2231- 6299).

5. H. Deka, S. Deka, C.K. Baruah, J. Das, S. Hoque, H. Sarma, N.S. Sarma "Vermicomposting potential of *Perionyx excavatus* for recycling of waste biomass of java citronella - an aromatic oil yielding plant" 2011, **Bioresource Technology**, 102 (24), 11212-11217, Elsevier.
6. H. Deka, S. Deka, C.K. Baruah, J. Das, S. Hoque, N.S. Sarma "Vermicomposting of distillation waste of citronella plant (*Cymbopogon winterianus* Jowitt.) employing *Eudrilus eugeniae*" 2011, **Bioresource Technology**, 102 (13), 6944-6950, Elsevier.
7. B. Das, S. Phukan and Jyotismita Das (2022): Microplastics: A Review On Its Influence On Marine Species And Various Methods Of Its Treatments, **Uttar Pradesh Journal Of Zoology** 43(7): 15-23, 2022 ISSN: 0256-971X (P).
8. Biswas S., Singh, Das, B & Das, J. (2022): Life in contaminated world: The pesticides and the birds population decline. **Uttar Pradesh Journal of Zoology**, 43(9): 14-21.
9. Medhi, M., Islam, N & Das, J (2022): Microbial profile and physico chemical analysis of excreta of *Dendrocygna javanica* and *Anas platyrhynchos domesticus* (2022): **Indian Journal of science and technology**, 15(36): 1764-1768.
10. Ground water status of Kolong river, Nagaon, Assam: Present and future research strategy for management and conservation (Kangkana Medhi¹ , Arup Kumar Hazarika¹, *, Suraj Chetri² , Sasanka Sekhar Ghosh¹ , Jyotismita Das³ , Amlan Kumar Dey¹ (**Environment and Ecology Research**, 11(1): 65-78, 2023)
11. Shatabdi Biswas, Anjela Ahmed, Abhijit Chandra Roy, Puja Singh, Jyotismita Das. A study on the diversity of aquatic insect communities concerning the water quality of Samaguri Beel, Assam, India. **International Journal of Entomology Research**, Volume 8, Issue 2, 2023, Pages 144-149
12. Baishali Das, Bhabana Das, Chayanika Saikia, Kangkana Medhi, Jyotiprakash Boro, Afifa Kausar, Sasanka Sekhar Ghosh, Jyotismita Das , "Activity Budgeting of Lesser Adjutant Stork (*Leptoptilos javanicus*) in Nagaon District of Assam," **Environment and Ecology Research**, Vol. 13, No. 1, pp. 16 - 24, 2025. DOI: 10.13189/eer.2025.130102.
13. DAS, B., PHUKAN, S., & DAS, J. (2022). Microplastics: A review on its influence On Marine Species and Various Methods Of Its Treatments. **Uttar Pradesh Journal of Zoology**, 43(7), 15-23.

14. Chutia, B. C., Borah, M. P., Bordoloi, U., Goswami, L. M., Bharadwaj, S., Borthakur, M. & Borkataki, S. (2024). Qualitative detection of formaldehyde in challani fish obtained from selected fish markets of Nagaon, Assam, India. *Discover Environment*, 2(1), 26.
15. Medhi, K., Parbin Islam, N., & Das, J. (2022). Microbial Profile and Physico-chemical Analysis of the Excreta of *Dendrocygna javanica* and *Anas platyrhynchos domesticus*. *Indian Journal of Science and Technology*, 15(36), 1764-1768.
16. Devi J, Das B, Das J. (2023) Study on Inheritance of Fingerprint Pattern and its Association with ABO Blood Groups at Nagaon, Assam. *Indian Journal of Science and Technology*. 16(23): 1694-1701. <https://doi.org/10.17485/IJST/v16i23.1941>
17. Kabyashree Kakati, Bhabana Das, Jyotismita Das and Radharani Dutta – Pollution Patrol in Kolong River of Nagaon, Assam Through Study of its Water Quality and Community-Led Efforts. ISSN 0971-6548 UGC-CARE List since 2019 *Indian Hydrobiology*, 23(1): 21–32, 2024 Received: 15.12.2023; Accepted: 21.02.2024
18. Medhi, Kangkana, Jyotismita Das, Rimpi Dhar, Dulumoni Das, Farishta Yasmin, and Arup Kumar Hazarika. 2024. "Bird-Ecosystem Relationship in an Urbanizing Habitat: Implications for Conservation and Ecosystem Stability". *Uttar Pradesh Journal of Zoology*. 45 (15):363-71. <https://doi.org/10.56557/upjoz/2024/v45i154251>.
19. Kangkana Medhi, Arup Kumar Hazarika, Suraj Chetri, Sasanka Sekhar Ghosh, Jyotismita Das, Amlan Kumar Dey, "Fishery Potential of the Most Polluted River of India: Kolong River, Nagaon, Assam, India," *Environment and Ecology Research*, Vol. 11, No. 1, pp. 65 - 78, 2023. DOI: 10.13189/eer.2023.110105.
20. Unmilan Kalita, Amlan Kumar Dey, Padma Sharma Goswami, Arup Kumar Hazarika, Suraj Chetri, Binita Basnet Baruah, Jyotismitra Das, "Synergizing Ecology and Economy: Developing a Novel Ecology-Economy Index for Sustainability Analysis of the Bharalu River, India," *Environment and Ecology Research*, Vol. 11, No. 6, pp. 1010 - 1022, 2023. DOI: 10.13189/eer.2023.110612. (b): Unmilan Kalita, Amlan Kumar Dey, Padma S.
21. Bordoloi, M., Das, B., & Das, J. (2024). Nesting ecology of the Lesser Adjutant Stork (*Leptoptilos Javanicus* Horsfield) and prevailing threats on their survival. *Journal of Bioresources*, 11(2), 103-107.

22. Bora, N., Bora, C., Sharma, S. R. & Das, J. 2024. First photographic record of a colour aberrant Spotted Dove *Spilopelia chinensis* from the Brahmaputra valley of Assam, India. – **Ornis Hungarica** 32(1): 238–242. DOI: 10.2478/orhu-2024-001
23. Study on Human-Monkey conflict in the Nagaon district of Assam: local mitigation measures. Radha Rani Dutta¹, Bhabana Das², Jyotismita Das^{1*}, Kabyashree Kakati. Study on Human-Monkey conflict in the Nagaon district of Assam: local mitigation measures, **Journal of Bioresources** 12 (1): 57–62, July - September 2024.
24. Das, J., Biswas, S., Roy, A.C., Ahmed, A. and Saikia, P.K., 2023. Feeding ecology of Large Whistling Teal *Dendrocygna bicolor* (Vieillot, 1816) in Deepor Beel wetlands, Assam, India. **Journal of Bioresources**, 10(1), pp.30-34.
25. Shatabdi Biswas, Anjela Ahmed*, Abhijit Chandra Roy, Puja Singh, Jyotismita Das ‘A study on the diversity of aquatic insect communities concerning the water quality of Samaguri Beel, Assam, India’ in **International Journal of Entomology Research** (Web of Science) ISSN: 2455-4758 Received: 26-01-2023, Accepted: 10-02-2023, Published: 28-02-2023 Volume 8, Issue 2, 2023, Page No. 144-149.
26. Saikia, A., Biswas, S., Mohan, D., Kausar, A., & Das, J. Decidual cell reaction: Insight into mechanisms and regulatory factors involved. **Afr.J.Bio.Sc.** 6(15) (2024) ISSN: 2663-2187
27. Abhijit Chandra Roy, Shatabdi Biswas, Mayurakshi Sarma, Jyotismita Das and Ankita Devi – A Study of Fish Diversity in Thekera Beel, Nagaon, Assam, India, ISSN 0971-6548 UGC-CARE List since 2019 **Indian Hydrobiology**, 23(1): 117–122, 2024 Received: 27.03.2024; Accepted: 22.05.2024.
28. Biswas, S., Singh, P. U. J. A., Das, B., & Das, J. Y. O. T. I. S. M. I. T. A. (2022). Life in a contaminated world: The pesticides and the bird’s population decline. **Uttar Pradesh Journal of Zoology**, 43(9), 14-21.
29. Kabyashree Kakati¹, Bhabana Das¹, Jyotismita Das², * and Radharani Dutta¹. ISSN 0971-6548 UGC-CARE List since 2019. **Indian Hydrobiology**, 23(1): 21–32, 2024 Received: 15.12.2023; Accepted: 21.02.2024
30. Deka, Borah & Das (2023). **Indian Journal of Environmental Protection**. Vol 43, NO.10. October 2023.
31. Ground water status of Kolong river, Nagaon, Assam: Present and future research strategy for management and conservation (Kangkana Medhil, Arup Kumar

Hazarika¹, *, Suraj Chetri², Sasanka Sekhar Ghosh¹, Jyotismita Das³, Amlan Kumar Dey¹ (**Environment and Ecology Research** 11(1): 65-78, 2023)

Chapter/Article Published in Research /Text Book with ISBN Number:

1. **Das, J. and Saikia, P. K. (2010).** Studies on the food habit and seasonality of Egrets (Ciconiformes: Ardeidae) in Deepor beel Ramsar site, Kamrup, Assam. Pp. 93-100. In: Goswami, U. C. Sharma, D. K. Kalita J. & Saikia, P. K. (eds.). Biodiversity and Human Welfare, Narendra Publishing House, Delhi. 110006 (INDIA) 478 pp.
2. Shatabdi Biswas, Anjela Ahmed, Abhijit Chandra Roy, Bhuban Chandra Chutia, Jyotismita Das, Haemolymph protein estimation in Eri silk worm *Samia ricini* (Donovan), Feeding on two different food plants has been published in the book 'Recent Trends in Life Sciences' Publishing by Madhabdev University, Department of Zoology. (ISBN NO – 978-93-95794-04-6). Edited by: Sarat Baruah, Dr Gitalee Bhuyan and Dr Bhaba Kumar Pegu.
3. Shatabdi Biswas, Baishali Das, Abhijit Chandra Roy, Jyotismita Das Wetlands under Threats: Analyzing Degradation causes and conservation efforts, North-East India: Land and People: A Collection of research articles edited by Dr. Amal Saikia, Mr. Nayan Mani Bhuyan & Miss Arundhuti Patangia and published by Purbayan Publication, Panbazar, Guwahati-1 (ISBN: 978-93-5860-489-4)

Presentation of Papers in National/International Seminar:

National Seminars

1. National Symposium on Advances in Zoology: Faunal Diversity and Ecophysiology (13-14 March, 2008) in NEHU, Shillong. (Title of the Presented Paper: Diversity of avian fauna in Deepor Beel Ramsar site, Kamrup Assam)
2. Paper presented in 57th Annual Technical Session of Assam Science Society organised by Gauhati University on 16th March, 2012. (Title of the Presented Paper: Seasonal activity pattern of *Dendrocygna bicolor* (Vieillot) in Deepor Beel Ramsar site, Assam)
3. The Indian Science Congress held at NEHU, 3rd to 7th January 2009. (Title of the Presented Poster: Diversity of Waders in Deepor Beel Ramsar Site, Kamrup, Assam)
4. National seminar on Degradation of wetland ecosystem: Its impact on the quality of life of the dependent community and socio-economic life of fisherman: An environmental impact assessment study in Assam. Organised by Kamrup College, Chamata, Nalbari, Assam from 22nd -23rd January, 2010. (Title of the Presented Paper: Status and threats to the water birds of Deepor Beel Ramsar site)
5. UGC sponsored "National seminar on Biodiversity spectrum of North East India" held on 18th & 19th September, 2009 in the Department of Zoology, Arya Vidyapeeth College,

Guwahati in collaboration with Zoological society of Assam.(Title of Presented paper: Habitat utilization pattern of Aquatic avifauna in Deepor Beel Ramsar site, Assam)

International Seminars:

6. Student Conference in Conservation Science, IISc. Bangalore. July, 2010.

7. 6th International Conference on Environmental Science and Technology. Organised by American Academy of Sciences which was held in Houston, Texas, USA from 25-29th June.

(Title of the Presented Paper: Conservation threats towards the water birds of Deepor Beel wetland).

8. International seminar on Bioresources and human sustenance. Organised by Department of Zoology, Cotton College & Zoological society of Assam from 20-22th October, 2011. (Title of the Presented paper: Species diversity of water birds in Deepor Beel, Assam).

Workshops and Trainings:

1. “Research Methodology Course for Ph. D. Scholars”, 12thOct-1stNov, 2009 in Academic staff college, Gauhati University.

2. “Faculty Development Programme on SPSS”, 14th&15th Nov, 2008 in Depart

3. Training programme on GIS & its Applications, 26-September -28 September, 2008. Organised by Department of Zoology, Gauhati University

4. Eleventh training course on field ornithology held at ZSI, Kolkata from 1-4th January 2008.

5. Completed one month diploma course in GIS &GPS in Cotton College from March 17 to April 12, 2008.

6. Training course on Applications of Computer in Biological Sciences, 28-30 January,2009 conducted by Bioinformatics Centre, Gauhati University.

Seminars and Conferences Participated:

1. National seminar on wetland and Livelihood (24-25 March, 2008) in Boko College.

2. International workshop on Agricultural Ecosystem and Sustainable Development in Brahmaputra Basin, Assam, India. Organised by Dept. of Geography, Gauhati University in collaboration with Centre for Southeast Asian Studies Kyoto University, Japan.

3. National Seminar on Zoology for Human welfare, held at Phanidhar Datta Memorial Seminar Hall. Gauhati University and Department of Zoology, Gauhati University on 2nd February, 2006.

4. National seminar on “Exploration, utilization and strategy action plan for sustainable management of plant resources” from February 27-28, 2009 organised by Department of Botany, Gauhati University, Assam.

5. National seminar on “Environmental issues in North East India: Past, present and challenges ahead, organised by Gargaon College, Simaluguri on 10-11 May 2008.

Abstract Published:

UGC sponsored National Seminar on “Wetlands: Their management for rural Development in North East” from 15-16 September, 2009 organised by Department of Zoology, Tyagbir Hem Baruah College, Sonitpur, Assam.

Name of the book chapters in edited volumes/books published & papers in National/International conference proceedings per teacher during last five years

(I) Name of the Teacher & title of the paper: Dr. Jyotismita Das. A) CONSERVATION ISSUES OF HAHILA BEEL, NAGAON, ASSAM (Author: Jyotismita Das)

B) ROLE OF WOMEN AND YOUTH IN WETLAND RESOURCE CONSERVATION: A CASE STUDY OF HAHILA BEEL, NAGAON, ASSAM (Author: Snigdha Das, Deepa Datta & Jyotismita Das)

Title of the book published & name of the author: Wildlife trafficking and concern to Biodiversity of North East India. (Editor: Dr. Ramesh Nath)

Title of the proceedings of the conference: Wildlife trafficking and concern to Biodiversity of North East India.

Name of the publisher: National/International: National

National/International: ISBN/ISSN no. of proceedings: ISBN:97881-2028865-2

Year of publication: 2017

(II) Name of the Teacher & title of the paper: Dr. Jyotismita Das. Avian fauna in and around Nowgong College campus (Author: Neeraj Bora & Jyotismita Das)

Title of the book published & name of the author: Bioresources for sustainable life and livelihoods in North- East India (Editors: Dr. Bhuban Ch Chutia & Dr. Farishta Yasmin)

Title of the proceedings of the conference: Bioresources for sustainable life and livelihoods in North- East India

Name of the publisher: National/International: National

National/International: ISBN/ISSN no. of proceedings: ISBN:978-93-85310-48-5

Year of publication: 2018

Text Book published: 3

1. AECC- Ability Enhancement Compulsory Course: Environmental Studies, For All undergraduate Degree Programmes, Second semester. Authors: Manideep Raj and Jyotismita Das.
2. Non- Mulberry Sericulture, as per CBCS Course, For fourth semester Zoology (Honors) and fifth semester (Regular) skill enhancement course. Authors: Manideep Raj, Dr Kalpana Baruah & Dr. Jyotismita Das.
3. Environmental studies, 2024. Das,Das & Raj.

UGC-Sponsored Course Completed:

Name of the Course	Place	Duration	Sponsoring Agency
Orientation Programme	Human Resource Development Centre, Gauhati University.	1 st June-28 th June, 2015	U.G.C.
Refresher Course	Human Resource Development Centre, North Eastern Hill University, Shillong.	3 rd August to 18 th August, 2022	U.G.C.
Short term Course	Malaviya Mission Teacher Training Centre, Human Resource Development Centre, North Eastern Hill University, Shillong.	18 th November, 2024 to 25 th November	<u>UGC</u>

Details of the Project (Completed/On-going)

Title of the Project	Funding Agency	Approval/Sanction letter No.
1. An Evaluation of Waterbird Diversity of the Wetland of Nagaon, Assam		
	UGC	UGC approval Letter No. and Date No. F. 5-107/2013-14/(MRP/(NERO)/17919 Dtd: 28/03/2014
2. Updation of PBRs of Kamrup (M), Kamrup (R) and Morigaon Zila parishad BMCs	Assam State Biodiversity Board	ABB/PBR/2012/10/828

Jyotisma Das

(**Dr. Jyotisma**
Das)