

## PAPERS PUBLISHED IN JOURNALS:

1. Shyam, Shilpa, **Das, Tapati** and Kumar GV. Prasanna 2021. Co-composting invasive aquatic macrophytes and pond sediment holds the potential for environmental amelioration: selecting the right shade of grey. *Acta Ecologica Sinica*. <https://doi.org/10.1016/j.chnaes.2020.12.004>. ISSN No. 1000-0933
2. Sarkar, Priyanka, **Das, Tapati** and Adhikari, Dibyendu. 2019. Variation in species assemblages due to micro-topography and flow regime govern vegetation carbon stock in seasonal floodplain wetlands. *Ecological Processes* 8:49. <https://doi.org/10.1186/s13717-019-0201-9>. ISSN No.2192-1709.
3. Sarkar, Priyanka, **Das, Tapati** and Mandal, Raju. 2019. Assessing Human Dependency on the Provisioning Ecosystem Services of Chatla Floodplain Wetland of Barak Valley, Assam, Northeast India. *Indian Journal of Ecology* 46(3): 516-520. ISSN No. 0304-5250.
4. Prasad, Nami and **Das, Tapati**. 2019. Impact of Land use and Land Cover on Aquatic Macrophyte Community Composition in Small streams: A Case Study from Cachar District of Assam in Northeast India. *Indian Journal of Ecology* 46 (2): 363-370. ISSN No. 0304-5250.
5. Prasad, Nami, **Das, Tapati**, and Adhikari, Dibyendu. 2019. Impacts of Anthropogenic Land Use/Land Cover on the Distribution of Invasive Aquatic Macrophytes in Tropical Floodplains: a Case Study from the Barak River Basin in Northeast India. *Human Ecology* (2019). 47: 245-262. ISSN No. 0300-7839 (Print); 1572-9915 (Online)
6. Bhattacharjee, Malabika and **Das, Tapati**. 2018. Eroding traditional knowledge systems plea scientific validation: Ecological characterization of traditionally managed semi-deep water rice field agro-ecosystem in Barak valley, Assam, northeast India. *International Journal of Plant and Environment* 4(2): 88-96. ISSN No.2454-1117 (Print); 2455-202X (Online)
7. Parven, Sultana, Sarkar, Priyanka and **Das, Tapati**. 2018. Do floodplain wetlands enhance the potential of fishponds? Assessing supporting ecosystem service of Chatla wetland of Barak Valley, Assam, India. *Current Science* 114(12): 2434-2436. ISSN No.0011-3891.
8. Rajbongshi, Poppy, **Das, Tapati** and Adhikari, Dibyendu. 2018. Microenvironmental heterogeneity caused by anthropogenic LULC foster lower plant assemblages in the riparian habitats of lentic systems in tropical floodplains. *Science of the Total Environment* 639: 1254-1260. ISSN No. 0048-9697.
9. Prasad, Nami and **Das, Tapati**. 2018. Diversity and distribution of aquatic macrophytes with special reference to invasive species in Barak Valley, Assam, Northeast India. *NeBIO* 9(1): 102 -108. ISSN No. 0976-3597 (Print); 2278-2281 (Online).
10. Rajbongshi, Poppy and **Das, Tapati**. 2018. Effect of Brick Kiln Industries on the Community Composition of Plankton in the Lentic Systems of Cachar District in Assam,

Northeast India. International Journal for Research in Applied Science & Engineering Technology 6(2): 2473-2480. ISSN No. 2321-9653.

11. Bhattacharjee, Malabika and **Das, Tapati**. 2018. Diversity and Distribution Pattern of Rice Stem Periphyton in Water-Logged Rice Fields under Different Cropping Seasons in Barak Valley, Assam. International Journal for Research in Applied Science & Engineering Technology 6(1): 3330-33340. ISSN No. 2321-9653.
12. Saikia, Rajashree, **Das, Tapati**, Gogoi Budhin, Kachari Akash, Safi Vivekanand and Das Debangshu N. 2017. Community structure and monthly dynamics of zooplankton in high altitude rice fish system in Eastern Himalayan region of India. International Journal of Life Sciences 5 (3): 362-378. ISSN No. 2091-0525.
13. **Das, Tapati**, Dev Gupta, Bipasha and Das, Debangshu Narayan. 2016. Formulation of low-cost fish feed using locally available agro-based wastes and its efficacy on growth performance of common carp (*Cyprinus carpio* L.) - A case study from Apatani landscape of Arunachal Pradesh in Northeast India. International Research Journal of Biological Sciences 5(3): 61-67. ISSN No. 2278-3202 (online).
14. Devi, Moirangthem Banita, **Das, Tapati** and Gupta, Susmita. 2016. Phytoplankton community of lake Baskandi anua, Cachar district, Assam, North East India-An Ecological study. Knowledge and Management of Aquatic Ecosystems 417, 2: 1-9. ISSN No. 1961-9502.
15. Dev Gupta, Bipasha, **Das, Tapati** and Das, Debangshu Narayan. 2015. A preliminary investigation on habitat condition and natural food of *Cyprinus carpio* stocked in the rice-fish system of Apatani Plateau, Arunachal Pradesh. ECOBIOS 8 (1&2): 1-23. ISSN No. 0972-6446.
16. Saikia, Rajashree, **Das, Tapati** and Das Debangshu Narayan. 2015. Physico-chemical qualities of water in high altitude rice-fish farming system of Ziro Valley, Arunachal Pradesh India. Journal of Environmental Biology 36: 1153-1159. ISSN No. 0254-8704.
17. Saikia, Rajashree, Ganguly, Arijit, **Das Tapati** and Das Debangshu Narayan. 2015. Suspended algal communities in high altitude rice wetlands of Apatani Plateau in Eastern Himalaya. Journal of Biodiversity and Environmental Sciences 7(1): 205-214. ISSN No. 2220-6663.
18. **Das T.**, Sarkar P., and Prasad N. 2014. Exploring the Potential for Concurrent Rice-Fish Culture in Wetlands of Assam, North East India. International Research Journal of Biological Sciences 3(10): 60-69. ISSN No. 2278-3202 (online)
19. Bhattacharjee, Malabika and Das, Tapati (2014). A preliminary investigation on the distribution and occurrence of photosynthetic aquatic biomass in waterlogged rice fields in Karimganj, Barak Valley, Assam. ECOBIOS 7 (1&2): 1-25. ISSN: 0972-6446
20. Karak. T., Bhattacharyya, P., **Das, T.**, Paul, R. K., and Bezbaruah, R. 2013. *Non-segregated municipal solid waste in an open dumping ground: a potential contaminant in relation to environmental health*. International Journal of Environmental Science and Technology. 10:503–518. ISSN No. 1735-1472 (Print) 1735-2630 (Online).

21. Karak, Tanmoy, Bhattacharyya, Pradip, Paul, Ranjit Kumar, **Das, Tapati** and Saha, Subhrajit K. 2013. *Evaluation of Composts from Agricultural Wastes with Fish Pond Sediment as Bulking Agent to Improve Compost Quality*. Clean – Soil, Air, Water 41(7): 711-723. ISSN No. 1863-0650 (Print); 1863-0669 (Online).
22. Devi, Moirangthem Banita, **Das, Tapati**, and Gupta, Susmita. 2013. *Limnological Studies of Temple Ponds in Cachar District, Assam, North East India*. International Research Journal of Environmental Sciences 2 (10): 49-57. ISSN No. 2319-1414.
23. **Das, Tapati.**, Gupta, Abhik and Arunachalam, Ayyanadar. 2011. *Limnology of Dikrong river system in Arunachal Pradesh, India*. Pollution Research 30(4): 501-509. ISSN No. 0257-8050.
24. **Das, Tapati**, Pathak, Karabi and Banita Devi, Moirangthem. 2011. *Phytoplankton and Zooplankton Communities of an Oxbow Lake in Barak Valley, Assam*. Assam University Journal of Science and Technology: Biological and Environmental Sciences 7(1): 67-75. ISSN No. 0975-2773.
25. **Das, Tapati.**, Gupta, Abhik and Arunachalam, Ayyanadar. 2010. *Biomass and Productivity of Riparian Vegetation along Dikrong River System, Arunachal Pradesh, India*. Assam University Journal of Science and Technology: Biological and Environmental Sciences. 6(1):13-20. ISSN No. 0975-2773.
26. **Das, Tapati** and Das, D. N. 2008. *A comparative analysis of plankton communities from three typical freshwater ecosystems in Arunachal Pradesh, India*. The Ecoscan 2(1): 77-82. ISSN No. 0974-0376.
27. **Das, Tapati** and Gupta, Abhik. 2008. *An appraisal on the physico-chemical properties of water along a disturbance gradient in river Barak, Assam, north east India*. The Bioscan 3(1): 109-114. ISSN No. 0973-7049.

#### **ARTICLES / CHAPTERS PUBLISHED IN BOOKS:**

1. Sarkar, Priyanka and Das, Tapati. 2020. Role of Tropical Floodplain Wetlands in Carbon Sequestration: A Case Study from Barak River Basin of Assam, Northeast India. In: Nature-based Solutions for Resilient Ecosystems and Societies, Disaster Resilience and Green Growth. Dhyani, Shalini, Gupta, Anil Kumar and Karki, Madhav (eds.), Springer Nature. P 365 to 390. ISBN 978-981-15-4711-9; ISBN 978-981-15-4712-6 (eBook)
2. Saikia, Rajashree, Das, Tapati and Das, Debangshu Narayan. 2019. Phytoplankton diversity and dynamics in rice-fish system of Ziro in Arunachal Pradesh. In: Research trends on fish and fisheries in mountain waters of Eastern Himalayan Region. Eds. Das, Debangshu Narayan, Abujam, Santoshkumar and Singh, Achom Darshan. Notion Press, Chennai. P.82-94. ISBN 978-1-64546-842-4
3. Dev Gupta, Bipasha, Das, Tapati and Das, Debangshu Narayan. 2019. Food preference and feeding of Cyprinus carpio stocked in high altitude rice-fish system: A case study from Apatani landscape of Arunachal Pradesh. In: Research trends on fish and fisheries

- in mountain waters of Eastern Himalayan Region. Eds. Das, Debangshu Narayan, Abujam, Santoshkumar and Singh, Achom Darshan. (2019). Notion Press, Chennai. P. 117-131. 978-1-64546-842-4
4. Basumatary, Miniswrang and **Das, Tapati**. 2019. Plant Resource Used by Riparian Communities of Dhir and Diplai Wetlands in Assam, Northeastern India. In: Plants for Human Survival and Medicine. Eds. Singh, Bikarma. New India Publishing Agency, New Delhi. p 243-259. ISBN: 978-93-87973-51-0
  5. Poppy Rajbongsi and **Tapati Das**. 2016. Riparian Plant Diversity of Lentic Systems in Rural and Urban Landscapes of Barak Valley, Assam. In: Biodiversity and Environmental Conservation. Eds. Upadhyaya, Krishna. Discovery publishing house, New Delhi. P. 1-13. ISBN: 978-93-5056-775-3.
  6. Nami Prasad and **Tapati Das**. 2016. Traditional Uses of Aquatic Macrophytes by Ethnic Communities Residing in and Around Chatla Floodplain Wetland of Barak Valley, Assam. In: Biodiversity and Environmental Conservation. Eds. Upadhyaya, Krishna. Discovery publishing house, New Delhi. P. 29-37. ISBN: 978-93-5056-775-3.
  7. Priyanka Sarkar and **Tapati Das**. 2016. Wetland Ecosystem Services and its Valuation with Special Reference to India: a Review. In: Biodiversity and Environmental Conservation. Eds. Upadhyaya, Krishna. Discovery publishing house, New Delhi. P. 59-76. ISBN: 978-93-5056-775-3.
  8. Malabika Bhattacharjee and **Tapati Das** (2015) Plankton Diversity of Wet Rice Fields as Indicator of Water Quality for Concurrent Rice-Fish Cultivation: A Case Study from Karimganj, Assam. In: Emerging Environmental Issues in Today's Society with Special Reference to Northeast India Eds. Sarkar, Dilip and Gupta, Nandini. Supriya Books, New Delhi. P 24-37. ISBN: 978-93-84471-07-1.
  9. **Das, Tapati**, Khandelia, Mahabir Prasad and Shah, Aftab Ahmed. 2014. *Ecology of Some Lentic Systems in Barak Valley, Assam -A Preliminary Investigation*. In: Environment, Biodiversity and Traditional system (Eds. Khanna, D. R., Solanki, G. S. And Pathak, S. K.). Biotech Books, New Delhi. P. 297-312. ISBN: 978-81-7622-307-2.
  10. Devi, Moirangthem Banita, **Das, Tapati** and Gupta, Susmita. 2013. *Diversity and community structure of aquatic macrophytes in two temple ponds in Cachar district of Assam*. In: Frontiers of Wetlands Fishers and Aquaculture Research'. (Eds. Debashish Kar and Anjam Hussain Barbhuya). Monglam Publisher, Delhi. P. 116-124. ISBN: 978-93-81142-99-8.
  11. **Das, Tapati**. 2013. *Culture Fisheries in Oxbow Lakes of Barak Valley, Assam-A Sustainable Option for the Riparian People*. In: Bioresources and Traditional Knowledge of Northeast India. (Eds. Singh, K. K., Das, K. C and Lalruatsanga, H.). Mizo Post Graduate Science Society and Pachunga University College, Aizawl. P. 112-119. ISBN: 987-81-924321-3-7.
  12. Dev Gupta, Bipasha, **Das, Tapati** and Das, Debangshu Narayan. 2013. *A Preliminary investigation on planktonic communities in the rice-fish system of Apatani Plateau, Arunachal Pradesh*. In: Bioresources and Traditional Knowledge of Northeast India.

- (Eds. Singh, K. K., Das, K. C and Lalruatsanga, H.). Mizo Post Graduate Science Society and Pachunga University College, Aizawl. P. 143-152. ISBN: 987-81-924321-3-7.
13. Bhattacharjee, Malabika and **Das, Tapati**. 2013. *A Preliminary Study on Ecology of Wetland Rice Field in Karimganj, Barak Valley, Assam*. In: Bioresources and Traditional Knowledge of Northeast India. (Eds. Singh, K. K., Das, K. C and Lalruatsanga, H.). Mizo Post Graduate Science Society and Pachunga University College, Aizawl. P. 153-160. ISBN: 987-81-924321-3-7.
  14. **Das, Tapati** and Gupta, Abhik. 2011. *An Overview on Ecology of Some Streams and Rivers of North East India*. Sustainable Development of Water Resources in North East India (Eds. J. B. Bhattacharjee, Abhik Gupta and Niranjan Roy). Akansha Publishers, New Delhi. P. 46-61. ISBN: 978-81-8370-272-0.
  15. **Das, T.**, Gupta, A., Arunachalam, A. and Das, D. N. 2011. *Community structure, diversity and biomass of periphyton along the gradient of changes in water quality of Dikrong river system in Arunachal Pradesh, India*. In: Status and Conservation of Biodiversity in North East India. (Eds. M. D. Choudhury, G. D. Sharma, S. Choudhury, and A. D. Talukdar). Swastik Publication, New Delhi. P. 340-359. ISBN: 978-93-81084-10-6.
  16. **Das, Tapati**., Arunachalam, Kusum., Arunachalam, Ayyanadar. & Gupta, Abhik. 2010. *Riparian vegetation and water quality*. In: Natural Resource Management in North East India Linking Ecology, Ethics and Economics. (Eds. A. Arunachalam and K. Arunachalam). DVS Publishers, Guwahati. P. 94-108. ISBN: 9788186307304.
  17. **Das, T.**, Arunachalam, K., Arunachalam, A. and Gupta, A. 2010. *Species composition and plant community structure of riparian vegetation along a disturbance gradient*. In: Natural Resource Management in North East India Linking Ecology, Ethics and Economics. (Eds. A. Arunachalam and K. Arunachalam). DVS Publishers, Guwahati. P. 143-161. ISBN: 9788186307304.
  18. **Das, T.**, Arunachalam, K., Arunachalam, A. and Gupta, A. 2010. *Physico-chemical properties of water and phytoplanktonic productivity in Dikrong river*. In: Natural Resource Management in North East India Linking Ecology, Ethics and Economics. (Eds. A. Arunachalam and K. Arunachalam). DVS Publishers, Guwahati. P. 227-246. ISBN: 9788186307304.
  19. **Das, T.**, Arunachalam, A., Gupta, A. and Arunachalam, K., 2008. *Biodiversity of plankton and macro invertebrates in Dikrong river system in the Indian Eastern Himalaya*. In: Biodiversity Utilization and Conservation. Eds. Arunachalam, A. and Arunachalam, K. Aavishkar Publisher, Distributors, Jaipur. p. 220-236. ISBN:978-81-7910-235-0

## TEXT BOOK

Dey, Aparajita, **Das, Tapati**, Bhattacharjee, Malabika, Roy, Samiran. 2019. A text book on environmental studies. As per CBCS syllabus for all streams prescribed by Assam

University, Silchar. Avishek Printers & Publishers, Silchar, Assam. 184pp. ISBN : 978-81-936364-2-8.

## **REFERENCE BOOK**

**Das, Tapati** and Adhikari, Dibyendu. 2020. Green Auditing in Academic and Non-Academic Organizations. A User Manual. Avishek Printers & Publishers, Silchar, Assam. 78pp. ISBN :978-81-936364-5-9.