DR SUBHENDU ADHIKARI
Principal Scientist
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Educational Background

Ph D (Agricultural Chemistry and Soil Science), Calcutta University, Kolkata (1995); M.Sc.(Agril. Chem.& Soil Sci.), Calcutta University (1988). B.Sc. (Hons. in Chemistry), Calcutta University (1986).

Research Specialization

Soil and water chemistry, fish pond environment, water and nutrient budgeting, contaminants in fish pond, carbon footprint and carbon sequestration in fish pond, climate change and aquaculture.

Professional Experience

Principal Scientist (2009-to date), Senior Scientist (2001-2008), and Scientist (1992-2001) at ICAR-CIFA, Bhubaneswar. Presently, working as Scientist-in-Charge (SIC) at Regional Research Centre (RRC) of ICAR-CIFA, Rahara, Kolkata-700118.

Awards & Recognitions

XII International Congress Commemoration Award of the Indian Society of Soil Science (2007); Dr. B.C. Deb Memorial Award for Soil/Physical Chemistry of Indian Science Congress Association (2005); ICAR award for outstanding team research as team member (2004); and Best Young Scientist Award of ICAR-CIFA, Bhubaneswar (2003). Fellow, International Society for Environmental Protection (ISEP), Gorakhpur (2005).NAIP fellowship, CMSC, SENR, Ohio State University, USA (Three months, 2011).

Publications

More than 100 research papers and 01 book with h-index of 20, i10-index of 37 with more than 1551 citations in international literature.

Latest Publications:

1. **Adhikari, S.,** D Mahanty, S Ikmail, S Sarkar, R Rathod, BR Pillai (2021). Carbon footprint of freshwater aquaculture practices in different regions along the Bay of Bengal, India. International Journal of Big Data Mining for Global Warming, 2150003. https://doi.org/10.1142/S2630534821500030.
2. **Adhikari, S.,** Hoque, F., Sahoo, P., Mahapatra, A. S., Routray, P., Pillai, B. R., Swain, S.K.(2020). Effect of Water Temperature on Growth Performance and Feed Intake of *Labeo rohita* and *Catla catla. Environmental Sciences and Ecology: Current Research* **1**:1003.
3. **Adhikari, S.,** Sarkar, S., F., Mandal, R. N., Rathod, R., Pillai, B. R. (2020). Assessment of Green House Gases (GHGS) Emission from Some Aquaculture Ponds of Andhra Pradesh and West Bengal, India. *Journal of Biomedical Research and Environmental Sciences*, **1 (6):** 241-245.https://doi.org/10.37871/jbres1149.
4. Hoque,F.,**Adhikari,S.,**Hussan,A.,Pillai,B.R. (2020). Effectofwatersalinitylevels on growth performance and survival of *Catla catla,* genetically improved *Labeo rohita* (Jayanti rohu) and *Cirrhinus mrigala.* International Journal of Oceanography and Aquaculture 4(2): 00190. http://doi.org/10.23880/ijoac-16000190.
5. **Adhikari, S**, Mahanty D, Ikmail S, Sarkar S, Rathod R and Pillai BR (2019). Carbon Storage in Sediments of Freshwater Fishponds of Odisha, Andhra Pradesh, and West Bengal, India. *Austin J Environ. Toxicol*. 2019; **5(1)**: 1026. http://doi.org/10.26420/austinjenvirontoxicol.2019.1026.
6. **Adhikari, S.,** Pani, K.C. and Jayasankar, P. (2019). Water gain and water loss of some freshwater aquaculture ponds at Kausalyaganga, Orissa, India. *Applied Water Science* **9**:121(1-7). https://doi.org/10.1007/s13201-019-1001-1.
7. **Adhikari, S.** and Mandal, R. N. **(**2019). Effects of climate change on the use of Wastewater for aquaculture practices. In: R. P. Singh et al. (eds.), Water Conservation, Recycling and Reuse: Issues and Challenges, Springer Nature Singapore Pte Ltd., pp. 107-119,.https://doi.org/10.1007/978-981-13-3179-4_2.
8. **Adhikari S.,** Sarkar S., Chakrabarti P.P., Giri B.S., Pillai B.R., and Sundaray J.K. (2018). Carbon and Nitrogen Distribution in Some Carp Polyculture Ponds of Andhra Pradesh, India. *J. Aquat. Res. Mar. Sci.*, 1(3): 91-96. https://doi.org/10.29199/ARMS.201024.