

## **Publication Report**

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### **Research Articles:**

- i. Das L, **Bhowmick S.** 2019. CMIP5 based seasonal long-term rainfall change scenario of West Bengal, *RASHI 3 (2): 01- (2019)*
- ii. Lalu Das, **Sayani Bhowmick**, Purba Goswami, Ratul Roy Choudhury and Javed Akhter. Past and future freshwater availability scenarios and their impact on the Indian Sundarbans ecosystem and fisheries, *Aquatic Ecosystem Health & Management*. – **accepted on 19<sup>th</sup> May, 2022.**
- iii. Lalu Das, **Sayani Bhowmick**, Jitendra Kumar Meher and Syed Sheraz Mahdi. CMIP5 based past and future climate change scenarios over northern Bihar, India; *Journal of Earth System science* (2023)132 8. <https://doi.org/10.1007/s12040-022-02016-7>

### **Book Chapter(s):**

- i. Das, L. **Bhowmick, S.** 2019. ‘Agro-Climatic Zone Specific Rainfall Change Scenario of West Bengal Using CMIP5 Global Climate Models (GCMs) Simulations’, in Sarkar, U.K. (ed.) *Perspectives on Climate Change and Inland Fisheries in India*. ICAR-CIFRI, Barrackpore, pp. 76-86.

### **Popular article(s):**

- i. **Bhowmick, S.** Datta, M. “Artificial Intelligence: Applications in agriculture.” SABUJEEMA, Volume 2, Issue 6, June 2022, pp. 16-17.