

# RESUME

**Name:** Dr. Asis Mukherjee

**Designation:** Assistant Professor

**Contacts:**

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**5. Google Scholar Profile:** ASIS MUKHERJEE

**6. Research gate Profile:** Asis Mukherjee

**7. Date of Birth:** 01/05/1977

**8. Date of Joining to the University:** 13/11/2006



**9. Academic Profile:**

Level	Name of the Degree with Discipline/ Department	Institute	Year of Passing
Doctoral	Agricultural Meteorology	BCKV	2009
Master's	Agricultural Meteorology	BCKV	2002
Bachelor's	Agriculture	BCKV	2000
P.G. Diploma	Applied RS & GIS	Jadavpur University	2006
Post-Doc		WSU, Australia	2017

**10. Employment History: (Starting from present position)**

Position	Organization	Period	
		From (Date)	To (Date)
Asst. Professor	BCKV	13.11.2006	Till date

**11. Administrative Post(S)/ Responsibility(s) (If Any)**

SL. NO.	Name of the Post(s)/ Responsibility(s)	Period	
		From (Date)	To (Date)
1.	Officer In-Charge	13.08.15	20.09.22
2.	Head Act. (Dept. of Agril. Meteorology & Physics)	27.09.23	09.04.24

**12. Area of Research : (Bulleted list)**

- Agricultural Water Management
- Micro-meteorological study
- Crop growth simulation study

**13. Courses Associated With:**

Level	Course No.	Course Title	Credit
Undergraduate	AMP-252	Introductory Agrometeorology and Climate Change	1+1
Post Graduate			
M.Sc.	AGM 505	Crop Micrometeorology	2+1
	AGM 703	RS and GIS application in Agricultural Meteorology	2+1
Ph.D.	AGM 604	Environmental physics for agricultural meteorology	3+0
	AGM 601	Hydrometeorology	2+1

**14. Number of Students Supervised:**

Master's: 10 Doctoral: 2

**15. Project Activities**

Sl. No.	Title of the Project	Funding Agency	Ongoing/ Completed	PI/ Co-PI
1.	AICRPAM-NICRA	ICAR	Ongoing	Co-PI
2.	FASAL	IMD, MoES, Govt. of India	Completed	PI
3.	Revival of Village Pond	DST, Govt. of India	Completed	PI
4.	Livelihood improvement through climate-smart agriculture: An Australia-India Initiative	Australia-India Council Grant Round — 077-AIC 2017	Completed	Co-PI (Associate Scientist)
5.	Impact, adaptability and vulnerability of Climate Change on Indian Agriculture	ICAR	Completed	Co-PI
6.	NAIP sub-project on “Arsenic in food-chain: cause, affect and mitigation	ICAR	Completed	Co-PI
7.	Efficacy phytotoxicity and succeeding crop studies.....Potato crop	Bayer Crop Science Ltd.	Completed	Co-PI

**16. Capacity Building/Faculty Development Programme: Organized**

Sl. No.	Name of the Programme	Duration	Place	Role
1.	Crop Simulation Modelling	4 days	BCKV, Kalyani	Associate Organizer
2.	Basic aspects of Agrometeorology and weather-based Agromet Advisory Service System during	10 days	BCKV, Kalyani	Associate Organizer
3.	Agromet Research Explicate Program	10 days	BCKV, Kalyani	Organizer

## 17. Seminar/ Symposium/ Workshop etc Organized:

Sl. No.	Name of the Programme	Duration	Place	Role
1.	National Seminar on "Agrometeorological Research and Services for Combating Climate Change Challenges"	2 days	BCKV, Kalyani	Travel & Accomodation

## 18. Patents/ Honours/ Awards/ Recognition (Bulleted list):

- Awarded with **Endeavour** Research fellowship for **Post-Doctoral Research** by Govt. of Australia 2016
- **Young Scientist** award conferred by Crop and Weed Science Society in 2015
- Awarded with Dr. P.D. Mistry **Best Ph.D. thesis award in Agrometeorology** for 2009.
- Awarded **Senior Research Fellow** (SRF) by CSIR, Govt. of India
- Recipient of University **Merit fellowship** during Doctoral programme
- Awarded with **Certificate of Merit** for obtaining **first position** in M.Sc. Degree Programme
- Awarded with **National Scholarship from Human Resource Development, Govt. of India**
- Qualified **NET** in Agro-meteorology conducted by ICAR, Govt. of India
- Awarded with '**BLUE**' Certificate for representing University football team
- **Prof. B.V. Ramana Rao best paper award** in Agricultural Meteorology for the year 2021
- Received the **Best Paper award** (poster) at International Agronomy Congress held during 23-27 November, 2021 at PJTSAU, Hyderabad
- Received the **Best Paper award** (Oral) in the National Seminar on "Recent advances in statistical tools for agriculture and allied sciences" held during 3-5 March, 2016
- Received **Award of Best paper** published in Journal of Agrometeorology of the year 2008-09
- Received the **Best Paper award** (poster) in the National Seminar on "Agrometeorology, Needs, Approaches and Linkages for rural development held during 27-28 November, 2009 at CCS HAU, Hisar, Haryana, India .
- Received the **Best Paper award** (poster) in the International Symposium on Agrometeorology and Food Security held during 18-21 February, 2008 at CRIDA, Hyderabad, India.
- Received the **Best Paper award** (poster) in the National Conf. on Impacts of Climate Change with Particular Reference to Agriculture held during 22-24 August, 2007 at TNAU, Coimbatore, India.

## 19. International Collaborations/ Involvement, If Any (Bulleted list):

- Collaboration with Western Sydney University through Australia India Council funded project also as Post-doctoral Research through **Endeavour** fellowship programme

## 20. Publications

### A. Books

1. Mukherjee, A., Banerjee, S., Samanta, S., Das Bairagya, M., Chakriborty, P. K., Mahata, D. (2015) Agroclimatic Atlas of West Bengal, Lahor Publication House, ISBN : 978-81 - 929475-6-3

## B. Research Papers (Best 10)

1. **Mukherjee, A.,** Huda, A. K. S., and Saha, S. (2023). Impact of climate change on future productivity and water use efficiency of wheat in eastern India. *Theoretical and Applied Climatology*, 152(1-2), 421-434.
2. **Mukherjee, A.,** Huda, A.K.S (2017). Assesment of climate variability and trend on wheat productivity in West Bengal,India: crop growth simulation approach. *Climatic Change*. doi.org/10.1007/s10584-017-2113-y
3. **Mukherjee, A.,** Sarkar, S. and Sarkar, A. (2017). Productivity and profitability of tomato due to irrigation frequency and mulch. *International Journal of Vegetable Science*. DOI: 10.1080/19315260.2017.1378786
4. **Mukherjee, A.,** Sarkar, S., Chakravarty, P.K. (2012). Marginal analysis of water productivity function of tomato crop grown under different irrigation regimes and mulch managements. *Agricultural Water Management* 104 : 121-127
5. **Mukherjee, A.,** Kundu, M., sarkar, S. (2010). Role of irrigation and mulch on yield, evapotranspiration rate and water use pattern of tomato (*Lycopersicon esculentum* L.) *Agricultural Water Management* 98 : 182-189
6. Sarkar, S.; Nanda, M.K.; Biswas, M.; **Mukherjee, A.** and Kundu, M. (2009). Different indices to characterize water use patternof irrigated cauliflower (*Brassica oleracea* L. var. botrytis) in a hot sub-humid climate of India. *Agricultural Water Management* 96: 1475-1482
7. Chandran MAS, Banerjee S, **Mukherjee A,** Nanda MK, Venugopalan VK, Laing AM, Siddiqui MH and Hossain A (2023). Coupling crop simulation modelling and multi-criteria decision aid for ranking the sustainability of cropping sequences. *Front. Sustain. Food Syst.* 7:1208283. doi: 10.3389/fsufs.2023.1208283
8. Sarath Chandran M A, Saon Banerjee, **Mukherjee, A.** Nanda, M.K. (2021). Evaluating the long-term impact of projected climate on rice-lentil-groundnut cropping system in Lower Gangetic Plan of India using crop simulation modelling. *International Journal of Biometeorology*. <https://doi.org/10.1007/s00484-021-02189-8>.
9. Mondal, M., Nanda, M.K., Peña-Arancibia, J.L., Sarkar, D., Ghosh, A., Goswami, R., **Mukherjee, A.** Saha, A., Brahmachari, K., Sarkar, S. and Mainuddin, M. (2024). Assessment of inundation extent due to super cyclones *Amphan* and *Yaas* using Sentinel-1 SAR imagery in Google Earth Engine. *Theoretical and Applied Climatology*, 155, 5659-5675.
10. Manna, T., Nanda, M.K., Sarkar, S., **Mukherjee, A.,** Ray, M., Alkeridis, L.A., Sayed, S., Gaber, A., and Hossain, A. (2024). Infrared thermometry-based stress indices as indicators of yield performance and seasonal evapotranspiration in potato plants grown under different moisture and potassium regimes. *Scientia Horticulturae* 330 (2024) 113086. <https://doi.org/10.1016/j.scienta.2024.113086>



04.03.2025

Signature with Date