



Fellow of the Society	Association of Agrometeorologist, Indian Meteorological Society
Research Interests and area of specialization	Field of specialization: Agro-meteorology Area of Research interest: Micro-meteorology, Agril. Water management, Crop growth modeling and Climate Change
Best 10 Publications with NAAS impact score > 5	<ol style="list-style-type: none"> 1. <u>Mukherjee, A.</u>, Sarkar, S., Chakravarty, P.K. (2012). Marginal analysis of water productivity function of tomato crop grown under different irrigation regimes and mulch managements. <i>Agricultural Water Management 104</i> : 121-127 2. <u>Mukherjee, A.</u>, Kundu, M., sarkar, S. (2010). Role of irrigation and mulch on yield, evapotranspiration rate and water use pattern of tomato (<i>Lycopersicon esculentum</i> L.) <i>Agricultural Water Management 98</i> : 182-189 3. Kundu, M., Chakraborty, P.K, <u>Mukherjee, A.</u> and Sarkar,S. (2008). Influence of irrigation frequencies and phosphate fertilization on actual evapotranspiration rate, yield and water use pattern of rajmash (<i>Phaseolus vulgaris</i> L.). <i>Agricultural Water Management 95</i> (4): 383-390 4. Sarkar, S.; Nanda, M.K.; Biswas, M.; <u>Mukherjee, A.</u> and Kundu, M. (2009). Different indices to characterize water use pattern of irrigated cauliflower (<i>Brassica oleracea</i> L. var. botrytis) in a hot sub-humid climate of India. <i>Agricultural Water Management 96</i>: 1475-1482 5. Chakravarti, A.K., Moitra, R., <u>Mukherjee, A.</u>; Chakraborty, P.K. (2010) Effect of different mulches on water use pattern and performance of rainfed rape seed crop in Gangetic plain of West Bengal. <i>Journal of Agrometeorology 12</i>: 77-80 6. <u>Mukherjee, A.</u> and Sarkar, S. (2009) Relationship between Actual evapotranspiration estimated by water balance method and soil moisture depletion method. <i>Journal of Agrometeorology II</i> (Special issue): 111-114 7. <u>Mukherjee, A.</u>; and Banerjee, S. (2009) Rainfall and temperature trend analysis in the Red and Lateritic zone of West Bengal. <i>Journal of Agrometeorology II(2)</i>:196-200 8. <u>Mukherjee A.</u> and Bhowmik, P. (2009) Incidence of cotton bollworm (<i>Helicoverpa armigera</i> Hibner) in relation to meteorological parameters in the saline zone of West Bengal. <i>Journal of Agrometeorology II(2)</i>:169-171 9. <u>Mukherjee A.</u> Banerjee S. Sarkar S. (2008). Productivity and radiation use efficiency of tea under different shade trees in the plain land of West Bengal. <i>Journal of Agrometeorology. 10(2)</i>: 146-150 10. <u>Mukherjee, A.</u>; Banerjee, S.; Nanda, M.K. and Sarkar, S. (2008). Microclimate study under agroforestry system and its impact on performance of tea. <i>Journal of Agrometeorology (Special issue-Part I)</i>: 99-105
Books or Chapter in Books	Book chapter: <u>Mukherjee, A.</u> , Kundu, M., Sarkar, S. (2010). Effect of irrigation frequencies and mulching on radiation balance of tomato crop. Book: Agrometeorological Service for farmers edited by Vyas Pandey, published by Dept. of Agricultural Meteorology; Anand Agril. University, Anand Gujarat. Pp-29-37 Technical Book 1. “Weather based decision for growing Kharif rice in West Bengal” by <u>Asis Mukherjee</u> , Saon Banerjee, Kushal Roy, VUM Rao, GGSN Rao & B. Venkateswarlu 2. “Glimpses of Research on Agrometeorology in West Bengal” by Saon Banerjee, Asis Mukherjee, S.A. Khan, P.K. Chakraborty, VUM Rao & B. Venkateswarlu
Courses teaching	UG level: 1 Weather forecasting and Agromet Advisory Services (7 th sem) PG level: 1. Application of Remote sensing and GIS in Agriculture (Ph.D. 1 st sem) 2. Weather forecasting for agriculture (Ph.D. 2 nd sem)
Research Projects/ supports	As PI: 1. “Forecasting Agricultural Output using Space, Agrometeorology and Land based observations (FASAL)” : ongoing As Co-PI: 1. Network project on Climate Change: Completed 2. National Innovative in Climate Resilient Agriculture: Ongoing 3. NAIP sub-project on “Arsenic in food-chain: cause, affect and mitigation”): Completed
Number of Seminar/ symposium attended	International Seminar/conference: 6 National seminar/conference : 9

Laboratory strength, you work in	2 student
Number of scholars, you are supervising	<u>Guidance of Ph.D. student</u> As member of advisory committee: 2 students (Agronomy Department) on-going <u>Guidance to M.Sc</u> As a Chairman: One M.Sc. student on-going One Senior Research Fellow is working under my supervision in FASAL project