



Dr. Abdus Sattar
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cum-Senior Scientist and
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**Centre for Advanced
Studies on Climate
Change**

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EDUCATIONAL QUALIFICATIONS

- **B.Sc (Ag.) Hons:** Visva Bharati, Santiniketan, West Bengal
- **M.Sc (Agrometeorology):** G.B. Pant University of Agriculture & Technology, Pantnagar
- **Ph.D. (Agrometeorology):** Bidhan Chandra Krishi Viswa Vidyalaya, Mohanpur, West Bengal

RESEARCH CONTRIBUTIONS

- Has extensive experience in handling several agrometeorological projects as Principal Investigator
- Characterized the agroclimatic resources of Bihar for evaluating potential productivity
- Evaluated the agroclimatic onset of the monsoon in Bihar
- Contributed significantly to the climate change studies
- Developed a number of agroclimatic products/outputs to support decision-making in agriculture
- Worked on simulation modeling and the assessment of climate change impact
- Developed 32 crop-weather calendars for major field and horticultural crops of Bihar.
- Characterized micro-climate of major crops and evaluated net ecosystem exchange (NEE) over rice-wheat system
- Optimized and modeled rice-wheat cropping system for potential productivity and adaptation under changing climatic scenario
- Developed Climate-Smart Irrigation Model/Software for rice.

CLIMATE SERVICES FOR THE FARMERS

- Serving the farming community with weather-forecast based Agromet Advisories for climatic risk management through WhatsApp, electronic, print (all leading newspapers) and online platforms, and personal contacts
- Played a key role in successfully popularizing weather-based advisory services down to village level. It has become an essential component of agricultural decision-making for hundreds of thousands of farmers
- Contributing successfully to enhanced farm productivity and increased farmers' income through climate services and risk management
- Contributing regularly E-Agromet Bulletin in DSS Portal of IMD Agrimet website, and NAAS bulletin.
- Providing micro-level advisory to the farmers under NICRA project.
- Contributing to capacity enhancement of farmers for agricultural risk management through training programmes and interactive meetings.

RESEARCH INTEREST

Agroclimatic characterization, Crop-weather relationships, Climate change, Crop simulation modelling, Micrometeorology and Weather-based Advisory services for the welfare of the farming community.

ACADEMIC HONORS & AWARDS

- “Best Presentation Award” in National Workshop of AAS Project
- “Best Teacher/Scientist Award” from Rajendra Agricultural University (Now Dr. Rajendra Prasad Central Agricultural University), Pusa, Bihar
- “Best Ph.D Thesis Award” in Agrometeorology from the Association of Agrometeorologists in India
- Appreciation letter for quality works from the Experts of Research Council Meeting, RPCAU
- “Best Research Paper Award” from Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar
- “Dr. S. Venkatraman Award” from the Association of Agrometeorologists in India
- “Fellow” of Association of Agrometeorologists in India

PUBLICATIONS

- Over 90 Academic works including 9 books
- ‘Agroclimatic Atlas of Bihar’ for agricultural planning and decision making

FOREIGN VISIT

- Mexico and Bangladesh

MEMBER/CHAIRMAN OF PROFESSIONAL SOCIETIES

- Life member of the Association of Agrometeorologists and Indian Meteorological Society.
 - Zonal Member for Eastern Region of the Association of Agrometeorologists.
 - Founding Chairman of Bihar Chapter of the Association of Agrometeorologists.
 - Founding Member of South Asia Forum on Agricultural Meteorology (SAFOAM).
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