

Curriculum Vitae

Name Sunayan Saha



Date of Birth 10th June 1982

Present Designation Scientist (ARS-Agricultural Meteorology)
ICAR-Central Potato Research Station, Jalandhar
Punjab, Pin-144 026

Past Affiliation/Posting *From 3rd September, 2011 to 31st March, 2017*
Scientist (Agricultural Meteorology)
Division of Atmospheric Stress Management
ICAR-National Institute of Abiotic Stress Management,
Baramati, Pune, Pin- 413 115

Research Area of Interests

Investigation on carbon and energy fluxes from agro-ecosystems using micrometeorological techniques; crop stress monitoring using remote sensing tools; crop simulation modelling

Research Projects (ongoing and previous)

Institutional:-

- Impact, adaptation and management strategies for climate resilient potato production (as co-PI)
- Monitoring and quantifying energy and mass fluxes from edaphically stressed crops in western Maharashtra: micrometeorological approach (as PI)
- Impact of radiation levels on physio-biochemical behaviour, yield and yield attributes in soybean (*Glycine max*) and rabi sorghum (*Sorghum bicolor*) (as co- PI)
- Evaluation of water saving techniques for fruits and vegetables in shallow soils of semi-arid region (as co- PI)

Externally funded project:-

- ICAR-Consortia Research Platform on Conservation Agriculture: Conservation agriculture for enhancing resource-use efficiency, environmental quality and productivity of sugarcane cropping system (as co-PI).

Educational Qualifications

Examination Passed	Year of passing	University / Institution	Marks obtained (Class/ division)	Special Achievements / Scholarships
Madhyamik/ Secondary (10 th)	1998	West Bengal Board of Secondary Education (WBBSE)	82.6 % (I)	99 th rank at state level; received Merit Certificate under National Scholarships Scheme
Higher Secondary (12 th)	2000	West Bengal Council of Higher Secondary Education (WBCHSE)	71.4 % (I)	-
B.Sc (Ag)	2005	Bidhan Chandra Krishi Viswavidyalaya (BCKVV), Mohanpur, WB	8.08/10 O.G.P.A (I)	BCKVV Merit Scholarship in all semesters; All India Rank/AIR-4 (2005, 4 th yr BSc) and 22 (2004, 3 rd yr BSc)in ICAR-PG entrance examination; selected for IARI-JRF
M.Sc (Ag. Physics)	2007	ICAR-Indian Agricultural Research Institute,	8.48/10 O.G.P.A (Class-I &	Qualified CSIR-NET cum JRF twice (July, 2006 & December,

		New Delhi	Rank 1 in division)	2006) in the subject “Earth, Atmospheric, Ocean & Planetary Sciences”; AIR-1 in IARI-PhD entrance examination (2007) in Agricultural Physics
PhD (Ag. Physics)	2012	ICAR-Indian Agricultural Research Institute, New Delhi	8.52 /10 O.G.P.A (I)	Selected for DST- Inspire Fellowship (JRF-Professional) in the year 2010

Thesis

- MSc: Tillage and residue management effects on soil physical properties and crop productivity in maize-mustard cropping system
- PhD: Estimation of solar radiation from satellite data for regional primary productivity assessment

Publications

https://www.researchgate.net/profile/Sunayan_Saha

Other Academic Contributions

- Contributed as paper coordinator (paper name- “Atmospheric Processes” under the subject “Environmental Sciences”), content writer and reviewer in UGC e-PG Pathshala Scheme, Ministry of Human Resource Development, Govt. of India. (<http://epgp.inflibnet.ac.in/UploadedContent.php>)
- Acted as an evaluator in the National Children Science Congress, 2016.

Trainings & Workshops

Title of the training/ workshop	Period (duration)	Organization
Basics course on “Remote Sensing, Geographical Information System and Global Positioning System”	October-December, 2010	Indian Institute of Remote Sensing, ISRO (distance learning through EDUSAT based livecast at ICAR-IARI, New Delhi)
FOCARS (93 rd)	27 th April- 24 th August, 2011 (4 Months)	ICAR-NAARM, Hyderabad
Agromet core course	24 th April, - 15 th May, 2012 (21 days)	IMD, Pune
Weather based agromet advisory services and use of weather data	14 -15 September, 2012 (2 days)	ICAR-CRIDA, Hyderabad
National Workshop on “Hyperspectral Remote Sensing and Applications”	17-18 January, 2013 (2 days)	M.S. University, Baroda (sponsored by DST)
Recent advances in statistical modelling techniques	31 st May - 20 th June, 2013 (21 days)	ICAR-IASRI, New Delhi
Using resilience lens for developing climate resilient agriculture	7-18 October, 2013 (10 days)	ICRISAT, Hyderabad
Eddy covariance system, EddyPro software and soil sequestration	11-13 November, 2013 (3 days)	Indian Institute of Tropical Meteorology, Pune
Eddy covariance studies and data analysis	25-27 November, 2013 (3 days)	ICAR-CRIDA , Hyderabad

Joint conference of the AsiaFlux Workshop 2015 and International Society for Photogrammetry and Remote Sensing TC WG VIII/3: Weather, Atmosphere and Climate Studies	25-27 November, 2015	Indian Institute of Tropical Meteorology, Pune
DST's Knowledge Network on "Climate Change and Agriculture"	28-29 April, 2016 (2 days)	Jointly by DST & ICAR
Advances in simulation modelling and climate change research towards knowledge based agriculture	16 th November – 06 th December, 2017 (21 days)	ICAR-IARI, New Delhi

Address for

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Permanent Address

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