Name Uday Sankar Saikia
Date of birth 30-06-1973
Designation Principal Scientist
Qualification Ph. D. (Agricultural Physics)
Email id ussaikia73@gmail.com; Uday.Saikia@icar.gov.in

Educational Qualifications

1. M.Sc. and Ph. D. Both in Agricultural Physics
2. ICAR-NET in Soil Physics (1999)
3. ICAR-NET in Agrometeorology (2017)

Professional Experience

1. Scientist (Agrometeorology): 2003-2008
2. Senior Scientist (Agrometeorology): 2008-2014
3. Principal Scientist (Agrometeorology): 2014- till date
4. Acting Head (ICAR-NBSS & LUP, RCJ): 1-9-2021- till date

Research Areas

1. Agrometeorology
2. Climate Change
3. Soil Physics

International Experience

Nil

Awards

1. IARI Merit Gold Medal for M. Sc. (1999)
2. 2nd Best prize in Oral presentation (2018). 'Imparting Climate Resilience in Hill Agriculture'. Presented at International Conference on Climate Change, Biodiversity and Sustainable Agriculture (ICCBS-2018), Held at AAU, Jorhat, Assam during 13-16 December 2018.
3. National Award: Received Team Award "E-India 2014" for the project 'ICAR Experts SMS Services to Farmers' jointly shared by National Informatics Centre, Shillong and ICAR RC NEH Region, Umiam, Meghalaya. The project was run under the banner of KIRAN and acted as a project team member.

Honours/Recognitions

1. Excellent grading letter received from ICAR for Half Yearly performance Report of Scientists for the period 1.7.2010 - 31.12.2010

Ten Best Research Papers along with NAAS Rating-2022

SNo	Publication	NAAS Rating
1.	Saikia, US and Singh, Anil Kumar (2003). Development and validation of pedotransfer functions for water retention, saturated hydraulic conductivity and aggregate stability of soils of banha watershed in Jharkhand. *Journal of Indian Society of Soil Science*. 51 (4): 484-488.	5.31
2.	Uday S. Saikia, K. K. Satapathy, B. Goswami and T. D. Lama (2005). Estimation of PET by Empirical Models for North Eastern Hill Region of Meghalaya. *Journal of Agrometeorology*. 7 (2): 268-273.	6.55
3.	Uday S. Saikia, K. K. Satapathy, B. Goswami, R. K. Singh and B. K. Rao (2007). Trend of rainfall and temperature change at Umiam, Meghalaya. *Journal of Agrometeorology*. 9 (2): 203-208.	6.55
4.	B. K. Rao, K. K. Satapathy, US Saikia and T. D. Lama (2006). Hill slope runoff estimation by using curve number method. *Indian Journal of Hill Farming*, 19 (1 & 2): 37-43. deltaic fluvial	5.04

plains of Southern India. ***Environmental Science and Pollution Research***. https://doi.org/10.1007/s11356-021-13467-8

5. S K Sarangi, US Saikia and T D Lama (2010). Effect of rice (*Oryza sativa*) straw mulching on the performance of rapeseed (Brassica campestris) varieties in rice-rapeseed cropping system. *Indian Journal of Agricultural Sciences*, 80 (7), 603-5. 6.37
6. US Saikia, B. Venkatswarlu, G. G. S. N. Rao, G. R. Korwar, V. U. M. Rao, N. N. Srivastava, U. K. Mandal, B. Goswami and Manoranjan Kumar (2011). Estimating wheat productivity for Indian North Western Plain Zone in relation to spatial-Thermal Variation. Journal of Agrometeorology, 13 (1): 9-16. 6.55
7. US Saikia, B. Goswami, M. Lyngdoh, B. Venkateswarlu and A. K. Singh (2014). Changes in Monsoon rainfall pattern in a few agro-ecological sub regions. *Journal of Agricultural Physics*, 14 (1): 50-55. 5.10
8. US Saikia, R Krishnappa, B Goswami, Santanu Das, A Kumar, E Shylla, M Lyngdoh and SV Ngachan (2016). Effect of altitude and slope on radiation absorption, growth and yield of *jhum*-land rice at Ri-Bhoi district of Meghalaya. *Journal of Agrometeorology*, 18 (1): 128-130. 6.55
9. B. Goswami, R. Hussain, P.V. Kumar, U.S. Saikia and S. Banarjee (2018). Impact assessment of climate change on potato productivity in Assam using SUBSTOR-Potato model. *Journal of Agrometeorology,* Vol. 20 (2): 105-109. 6.55
10. Surabhi Hota , Vidyanand Mishra, Krishna Kumar Mourya , Krishna Giri, Dinesh Kumar, Prakash Kumar Jha, Uday Sankar Saikia, P. V. Vara Prasad and Sanjay Kumar Ray (2022). Land Use, Landform, and Soil Management as Determinants of Soil Physicochemical Properties and Microbial Abundance of Lower Brahmaputra Valley, India. *Sustainability*, 14, 2241. https://doi.org/10.3390/su14042241. 9.25

Total Publications (Peer-reviewed journals only): 41
International: 6
National: 35

Google Scholar link: https://scholar.google.com/citations?user=fpqwU0wAAAAJ

Research Gate link: https://www.researchgate.net/profile/Uday_Saikia