

PROFILE



- Name** : Sumanta Chatterjee
- Designation** : Scientist
Crop Production Division,
ICAR-National Rice Research Institute,
Cuttack, Odisha, India
Currently Ph.D. Scholar (Univ. Wisconsin-Madison, USA) from
January 2019 to till date.
- Mobile no.** : 9868096327, 9868096327
- Email** : chatterjeesumanta65@gmail.com; schatterje22@wisc.edu ;
sumanta.chatterjee@icar.gov.in
- 1. Date of Birth** : 02.05.1991
- 2. Areas of Specialization** : Vadose zone hydrology, Agrometeorology, Water Management, Soil
Moisture, Drought, Remote Sensing, Climate Change and GHG
Monitoring and Modeling, Machine Learning application to
hydrology and agriculture
- 3. Education** :
• Ph.D. (Soil Science) 2019- pursuing: University of Wisconsin-
Madison, USA
• M.Sc. (Agril. Physics) 2014: ICAR-Indian Agricultural Research
Institute, Pusa, New Delhi
• B.Sc. (Agriculture Hons) 2012: Bidhan Ch. Krishi Viswavidyalaya,
Mohanpur, Nadia, West Bengal
- 4. Professional History** : I started my career as a scientist at ICAR-National Rice Research
Institute, Cuttack since 2016. Presently deputed at the Dept. of Soil
Science, Univ. of Wisconsin-Madison, USA as a PhD scholar since
January 2019 till date. My focus here is on Machine Learning
application to hydro-meteorological research such as drought
monitoring, soil moisture modelling from space, digital soil mapping
and vegetation monitoring.
- 5. Publications** :
• Research papers: 9
• Review Papers: 1
• Popular articles: 3
• Technical Bulletins: 1
• Book chapters: 4
• h-index: 3
• i10-index: 1 with 31 citations in international literature.
- 6. Awards and Recognitions** :
• Indian Council of Agricultural Research-Netaji Subhas
International Fellowship for 2018-19
• Richard D. Powell Memorial Scholarship 2020 from Department
of Soil Science, University of Wisconsin-Madison, USA for
outstanding performance in graduate studies.

- First position in an oral presentation at Int. Conference on Climate Change, Biodiversity and Sustainable Agriculture (ICCBSA-2018) held during 13-16 December 2018 at Assam Agril. Univ., Jorhat, Assam.
- ICAR–Junior Research Fellowship in Physical Sciences in 2012 for Master’s program
- Merit-Cum-Means Fellowship for Secondary Examination (2006), Higher Secondary Examination (2008) and Bachelor’s (2008-2012) by govt. of West Bengal, India.
- ICAR-ASRB – National Eligibility (NET) Test in Agrometeorology in 2015
- Agricultural Research Service (ICAR-ARS) in Agrometeorology in 2015.
- RULA Research Ratna Award of the year 2019 for international innovation and betterment in technical research.
- Graduate Research Assistantship (Ph.D.) at Soil Science Dept., Univ. Wisconsin- Madison, USA

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Google Scholar citation : <https://scholar.google.co.in/citations?user=9-QT9n0AAAAJ&hl=en>