


**Er. Blessy V. A.**

	<p><b>Er. Blessy V.A.,</b> Agriculture Research Service, Scientist Land &amp; Water Management Engineering, ICAR- Indian Institute of Soil and Water Conservation, Research Centre, Fernhill PO, Theetukal, Udagamandalam, Tamil Nadu, India. 643004</p> <p><b>Mobile:9953766110</b> ✉:<a href="mailto:blessy.va@icar.gov.in">blessy.va@icar.gov.in</a>/<a href="mailto:vablessy@gmail.com">vablessy@gmail.com</a></p> <p>Orcid Id: 0000-0003-0037-1613</p>
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**Education**

Degree	Duration	University/Institution
M.Sc.	2015-2017	Water Science & Technology, Indian Agricultural Research Institute, New Delhi
B.Tech.	2011-2015	Agricultural engineering, Kerala Agricultural university

**Professional History**

Position	Duration	Organization
Scientist	2023 – till date	Indian Institute of Soil and Water Conservation, Regional Centre, Udagamandalam, Tamil Nadu.
Scientist	2020 – 2022	Agricultural Engineering Department, Indian Institute of Sugarcane Research, Lucknow, Uttar Pradesh.
Assistant Engineer	2019-2020	Agricultural Engineering Department, Tindivanam, Tamil Nadu.

**Awards/Fellowships/Recognitions**

S. No.	Name of the Award/Fellowship/Recognition	Awarding organization	Year of award
1	Qualified ARS with 2nd rank	ASRB	2017
2	Qualified SRF	ICAR	2022
3	Qualified National Eligibility Test ICAR NET-2016 & 2017	ICAR	2016 & 2017
4	Qualified GATE 2015	IIT	2015
5	All India 6 <sup>th</sup> Rank, JRF ICAR-2015	ICAR	2015
6	All India 2 <sup>nd</sup> Rank on Ph.D. Entrance Examination	IARI	2017
7	Recipient of IARI PG & PhD fellowship	IARI	2015-2018
8	Qualified TNPSC	TNPSC	2018

## Most important 5 Publications

1. Chaudhari, S.S., Sudhishri, S., Khanna, M., Dass, A., Rosin, K.G., **Blessy, V.A.** and Singh, P., 2020. Operational guidelines for enhancing irrigation system efficiency in tube well command. Journal of Soil and Water Conservation, 19(1), pp.83-90.
2. S.K. Shukla, Mona Nagargade, A. D. Pathak, **Blessy V.A.** 2021. Water foot print in sugarcane. ICAR- Indian Institute of Sugarcane Research, Lucknow, Uttar Pradesh, India. 48p
3. Rajput Jithendra, N L Kushwaha, **V A Blessy**, Nivesh Shreya, Pradosh Kumar Paramaguru, Rao K V and Ch. Rao. 2020. Climate smart soil and water management strategies for sustainable agriculture. In: Ch. Srinivasarao et al., (Eds). Climate Change and Indian Agriculture: Challenges and Adaption Strategies. ICAR-National Academy of Agricultural Research and Management, Hyderabad, Telangana, India. Pp-157- 182.
4. Nand Lal Kushwaha., Jitendra Rajput., Shreya Nivesh., **Blessy V. A.**, Pradosh Kumar Paramaguru, 2021. जलवायुपरिवर्तन और भारतीय कृषि : चुनौतियां अनुकूलन और शमन रणनीतियां. जलवायुपरिवर्तन के परवेश में जल हानि (वाटर शेड) पबंधन कामहक्. भाक अनुप - राष्ट्रीय कृषि अनुसंधान पबंधन अकादमी हैदराबाद- 500 030, तेलंगाना, भार (pp. 69-75).
5. **Blessy V A**, Shaheemath Suhara KK, Anu Varughese, Namitha M.R. (2023). Climate Change and Its Impacts on Agriculture. AkiNik Publications, 8(1).

## Major Research Projects (Ongoing/Completed)

1. Temporal evaluation of meteorological and agricultural drought in sugarcane growing region by using drought indices (PI)
2. Enhancing water productivity of sugarcane production system by regulating irrigation regimes and field moisture management (Co-PI)
3. Development of cane node planter (Co-PI)
4. Carbon sequestration potential of prevailing and recommended land uses in reclaimed degraded ecosystems under different agro-ecological regions of India core project (Co-PI)
5. Assessment of variability and trend of climatic parameters at various time scales in different regions of India core project (Co-PI)
6. Portioning of evapotranspiration by modelling of water budgeting and assessment of CO<sub>2</sub> flux over tea plantation in parts of temperate mountains ecosystem in Western Ghats, Tamil Nadu (Co-PI)

## Research Work Presentations

1. Blessy V.A. Water Footprint of Sugarcane In Bahraich District Indian Institute of

Sugarcane Research, Lucknow on SUGARCON-2022 & 7th IAPSIT International Sugar Conference held at IISR luck now, from 16-19th oct 2022(poster)

2. A K Singh, Sukhbir Singh, Rajendra Gupta, M K Singh, Dilip Kumar, R U Modi and V A Blessy on Mechanization of Sugarcane Cultivation: IISR Efforts; ICAR-Indian Institute of Sugarcane Research, Lucknow SUGARCON-2022 & 7th IAPSIT International Sugar Conference held at IISR luck now, from 16-19th oct 2022(oral)
3. Blessy V. A., Mukesh Kumar, C. K., Saxena, Ajita Gupta on Linear Relationship between Turbidity and TSS for Different Soil Solidson 56th ISAE Convention of Indian Society of Agricultural Engineers on “Agricultural Engineering Innovation for Global Food Security” International Symposium on “India @ 2047: Agricultural Engineering Perspective” held on TNAU, Coimbatore from 8-10th November 2022 (oral)
4. K.K. ShaheemathSuhara, V.M Abdul Hakkim, Anu Varughese, V.A. Blessy, Priya G Nair on Soil erosion estimation and severity mapping of Kunthippuzha sub-watershed using RUSLE model and GIS, on international conference on recent advances in water science and technology from 8-9th December 2022 (oral)

Google scholar link

<https://scholar.google.com/citations?user=b8YPw64AAAAJ&hl=en>

Research gate link:

<https://www.researchgate.net/profile/Blessy-V-A>

### **Trainings Attended**

1. Data Visualization using R, organized by ICAR-NAARM, Hyderabad from 1-8, March 2023
2. Integrated Watershed Management for Strengthening PMKSY by IISWC, from 11-14, July, 2022
3. Groundwater Potential Zoning and Identification of Suitable Sites for GWR by JNKVV Jabalpur from 23-30, 2022
4. Winter school on recent approaches for doubling farmers income in sugarcane based cropping system organized by IISR Lucknow, from 8-28, December, 2022