Curriculum Vitae

Name	:	**Dr. Tanuj Misra**
Post	:	Assistant Professor (Computer Science)
Email Id	:	tanujmisra102@gmail.com
Contact No.	:	9540724239
Date of Birth	:	04th Oct, 1989

PROFILE LINKS

Research Gate: https://www.researchgate.net/profile/Tanuj-Misra
Google Scholar: https://scholar.google.com/citations?user=npQsqFIAAAAJ&hl=en

EDUCATIONAL BACKGROUND

Qualification	University	Specialization	Year
Ph.D.(Computer Application)	I.C.A.R – Indian Agricultural Statistics Research Institute, New Delhi	Image Processing, Machine Learning, Deep Learning and Plant Phenotyping	2020
M.Sc. (Computer Application)	I.C.A.R – Indian Agricultural Statistics Research Institute, New Delhi	Image Processing, Machine Learning and Plant Phenotyping	2013
B.Sc. (Agriculture) Hons.	Uttar Banga Krishi Viswavidyalaya, West Bengal	Agriculture and Agricultural Statistics	2011

AWARDS/FELLOWSHIP

Sl No.	Name of Award/Honour	Conferred by Organization	Year of Award
1.	**ICAR - Jawaharlal Nehru Award** for **Outstanding Doctoral Thesis Research** in Agricultural and Allied Sciences in Social Sciences category	Indian Council of Agricultural Research (ICAR)	2022
2.	**Nehru Memorial Gold Medal Award** for being the **best student in M.Sc.** (Computer Application) during the period 2011- 13	ICAR- Indian Agricultural Statistics Research Institute (IASRI), Library Avenue, Pusa, New Delhi-110012.	2014
3	Senior Research Fellowship (**SRF**) Award	ICAR	2015
4	Junior Research Fellowship (**JRF**) Award	ICAR	2011

PROFESSIONAL EXPERIENCES

Post held	Organization	Period	
		From	**To**
Assistant Professor	Sri Karan Narendra Agriculture University, Jobner, Rajasthan - 321406	26th July, 2023	Till date
Teaching Cum Research Associate (TRA)	Rani Lakshmi Bai Central Agricultural University (RLBCAU), Jhansi	25th February, 2020	30th June, 2023

Senior Research Fellow (SRF)	ICAR-National Centre for Integrated Pest Management (NCIPM), New Delhi-110012 **Project Title:** National Innovations on Climate Resilient Agriculture (NICRA)	22rd September, 2014	30th July, 2015
Senior Research Fellow (SRF)	ICAR-Indian Agricultural Statistics Research Institute (IASRI), New Delhi-110012 **Project Title:** Implementation of Management Information System (MIS) Including Financial Management System (FMS) in ICAR"	24th December, 2013	30th June, 2014

NET QUALIFICATION

Sl No.	NET Conducted by the Organization	Subjects/Specialization	Marks in %	Year of Award
1.	ICAR - NET	Computer Application & IT	60.67	2018
2.	ICAR - NET	ICAR	58	2015

PUBLICATIONS

❖ **Research Paper:**

Sl No.	Publication Title, Authors and Journal Name	Year	Thomson Reuters Impact Factor (IF)/NAAS Rating
1.	**Misra, T.,** Arora, A., Marwaha, S., Jha, R.R., Ray, M., Kumar, S., Kumar, S., and Chinnusamy, V. (2022). Yield-SpikeSegNet: an extension of SpikeSegNet deep-learning approach for the yield estimation in the Wheat using visual images. **Applied Artificial Intelligence,** 36(1), 2137642.	2022	**IF:** 2.777 **NAAS Rating:** 8.777
2.	Haque, M. A., Marwaha, S., Arora, A., Deb, C. K., **Misra, T.,** Nigam, S., & Hooda, K. S. (2022). A lightweight convolutional neural network for recognition of severity stages of maydis leaf blight disease of maize. **Frontiers in plant science**, 13, 1077568.	2022	**IF:** 6.63 **NAAS Rating:** 12.63
3.	**Misra, T.,** Arora, A., Marwaha, S., Jha, R.R., Ray, M., Varghese, E., Kumar, S., Nigam, A.,Sahoo, R.N. and Chinnusamy, V. (2021). Web-SpikeSegNet: Deep Learning Framework for Recognition and Counting of Spikes From Visual Images of Wheat Plants. **IEEE Access**, 9, 76235-76247, doi: 10.1109/ACCESS.2021.3080836.	2021	**IF:** 3.476 **NAAS Rating:** 9.476
4.	**Misra, T.,** Marwaha, S., Arora, A., Ray, M., Kumar, S. and Chinnusamy, V. (2021). Leaf area assessment using image processing and support vector regression in rice. **Indian Journal of Agricultural Sciences**, 91 (3).	2021	**IF:** 0.374 **NAAS Rating:** 6.374
5.	**Misra, T.,** Arora, A., Marwaha, S., Ray, M., Raju, D., Kumar, S., … & Chinnusamy, V. (2019). Artificial neural network for estimating leaf fresh weight of rice plant through visual-nir imaging. **Indian Journal of Agricultural Sciences**, 89(10), 1698-1702.	2019	**IF:** 0.374 **NAAS Rating:** 6.374

❖ **Book Chapter:** 6
❖ **Popular Article:** 5

EXTERNALLY FUNDED PROJECT

Sl. No	Title of the project	Position	Project ID	Funding Agency	Budget	Duration
1	Integrated Platform for Agri-preneur: A Force Multiplier Forum of Farmers-Consumers-Entrepreneur	**Principal Investigator (PI)**	FSDD DPR/887/2021-2022 dated 07.12.2021	NABARD	15.35 Lakh	2 years

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SL NO.	Name of the Software/R Packages	Author(s)	Year	Licence/ Diary no.
1.	Online System of Identifying and Counting Spikes in Wheat Plant	**1. Tanuj Misra** 2. Alka Arora 3. Sudeep Marwaha 4. Viswanathan Chinnusamy **5. Sudhir Kumar**	2022	**26750/2021-CO/SW**
2	**LARGB**: Leaf Area Determination from Visual Image. R package version 0.1.0. **(R Package)**	**Tanuj Misra**, Alka Arora, Sudeep Marwaha, Shailendra Kumar, Mrinmoy Ray, Sudhir Kumar, Pankaj Das	2021	GPL 3 https://CRAN.R-project.org/package=LARGB
3	**FWRGB**: Fresh Weight Determination from Visual Image of the Plant. **(R Package)**	**Tanuj Misra**, Alka Arora, Sudeep Marwaha, Shailendra Kumar, Mrinmoy Ray, Sudhir Kumar, Sayanti Guha Majumder	2021	GPL 3 https://CRAN.R-project.org/package=FWRGB.

❖ **Training Program/ Workshop Organized:** 7
❖ **Training Program/ Workshop Attended:** 5

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