Faculty Profile

Personal Details

Name	**Dr. Megha Pradeep Jagtap (Suryawanshi),**
Designation	Assistant Professor (Agronomy)
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Academic Qualifications

Degree	Specialization	University	Year of Passing
B.Sc. (Agriculture)	Agriculture	V.N.M.K.V., Parbhani	1998
M.Sc (Agri) Agronomy	Agronomy	V.N.M.K.V., Parbhani	2000
Ph.D. Agronomy	Agronomy	V.N.M.K.V., Parbhani	2008
Additional Qualification (if any): Additional Degree/Diploma/NET/SET			
Diploma in Agril. Journalism	Journalism	YCMOU Nasik	2009
NET	Agronomy and Agrometeorology	ASRB-NET	2010
PGDAEM	Extension Management	MANAGE Hyderabad	2011

Professional Experience

Stream	Years	Stream	Years
Teaching	10 years	Research	3 years
Extension	8 years	Administration	

Area of Research/Interest
Conservation Agriculture, Precision Agriculture, Remote Sensing and GIS

Research Guidance

Degree	No. of Student & Guided
M.Sc./M.Tech	10
Ph. D.	-

Research Accomplishments (Recent Ten Most Important Publications)

Sr.No	Title	Journal	ISSN/ISBN	NAAS Rating
01	Analyzing the synergistic impact of UAV-based technology and knapsack sprayer on weed management, yield-contributing traits, and yield	*Computers and Electronics in Agriculture* (2024) Volume 219 108796	ISSN 0168-1699	**14.30**

	in wheat (*Triticum aestivum L.*) for enhanced agricultural operations.			
02	Herbicide spraying and weed identification using drone technology in modern farms: A comprehensive review	*Results in Engineering* Jan.2024	ISSN 2590-1230	11.00
03	Exploration and advancement of NDDI leveraging NDVI and NDWI in Indian semi-arid regions: A remote sensing-based study.	Case Studies in Chemical and Environmental Engineering Dec.2023	ISSN 2666-0164	13.93
04	Comparative studies of knapsack, boom, and drone sprayers for weed management in soybean (*Glycine max L.*)	*Environmental Research*	ISSN 0013-9351	14.43
05	Experimental investigation on the effect of soil solarization incorporating black, silver, and transparent polythene, and straw as mulch, on the microbial population and weed growth.	*Chemosphere.* 2023 Sep; 336:139263.	ISSN 0045-6535	14.93
06	An investigation on the effect of soil solarization on soil temperature and soil moisture conservation.	*Arabian Journal of Geosciences* (2022) 15: 1778	ISSN 1866-7511	7.83

Credentials:

Particulars	Numbers	Particulars	Numbers
Research Articles	12	Popular Articles	15
Books / Booklets	1	Book Chapters	4
Research/Technology Recommendations	10	Varieties Developed	
Patents	-	Abstracts Published	5
Technical Publication	5		

Significant Achievements (Top Five)

Patent/IP/Technologies/ Varieties/Machineries Developed / Methodologies/ Recommendations	Year
1. Seed and seedling rot control of maize by seed priming treatment by *Tricoderma Herjianum*	2024
2.1 ha. Integrated Farming system model for rainfed/ dryland agriculture area	2023
Externally Funded Projects: Implemented/Handled/Assisted **NAHEP-CAAST- DFSRDA-VNMKV, Parbhani acted as Nodal Officer, (ESP) and Core Team Member.**	

Awards/Recognitions (Top Five)

1. Vasantrao Naik Puraskar for Research application in Agriculture- 2018 bestowed by ICAR, New Delhi, for outstanding work in rainfed agriculture