


Faculty Profile

Personal Details

Name	Dr. Pravin Himmatarao Vaidya	
Designation	Professor and Head Department of Soil Science	
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Academic Qualifications

Degree	Specialization	University	Year of Passing
B.Sc.	Agriculture	Dr. PDKV, Akola	1993
M.Sc.(Agri.)	Soil Science & Agricultural Chemistry	Dr. PDKV, Akola	1995
Ph.D. (Agri.)	Soil Science & Agricultural Chemistry Sp. Land Resource & Management	Dr.PDKV, Akola Collaboration With ICAR-NBSS & LUP Nagpur	2002
Additional Qualification (if any): Additional Degree/Diploma/NET/SET			
MS-CIT	Computer	MSBTE & MKCL, Mumbai	2000
Diploma IT	IT	YCOU, Nasik	2002

Professional Experience

Stream	Years	Stream	Years
Teaching	20	Research	24
Extension	20	Administration	09

Area of Research/Interest

Land Use Planning , Land Resource Management , Soil Fertility, Soil Physics and RS and GIS

Research Guidance

Degree	No. of Student & Guided
M.Sc.(Agri.)	38
Ph.D. (Agri.)	02

Research Accomplishments (Recent Ten Most Important Publications)

Sr. No	Title	Journal	ISSN/ISBN	NAAS Rating
01	Improvement of very shallow soil by hybridizing with tank silt: A case study from Osmanabad district Maharashtra.	<i>Journal of the Indian Society of Soil Science</i> ,72(2): 170-187	ISSN 0019-638X ISSN 0974-0228	2024 5.34
02	Evaluation of Zinc Fractions, Nutrient Status and Yield of Soybean and Safflower Influenced by Long-Term Effects of Manuring and Inorganic Fertilizers in Typic Haplusterts	<i>Agricultural Mechanization in Asia, Africa and Latin America</i> 55(03) 17425-17442	ISSN: 0084-5841	2024 6.30
03	Characterization and Classification and its Impact on Yield and Quality of Tamarind in Marathwada Region, Maharashtra.	<i>Journal of the Indian Society of Soil Science</i> ,71(1): 1-13	ISSN 0019-638X ISSN 0974-0228	2023 5.34
04	Spatial Assessment and Variation of Soil Physicochemical Properties and Water Quality in the Tungri Watershed of Maharashtra, India	<i>International Journal of Environment and Climate Change</i> 13, (12), 793-802,	ISSN: 2581-8627	2023 5.16
05	Influence of Foliar Application of Compost tea on Growth, Yield and Quality of Soybean [Glycine max (L)]	<i>International Research Journal of Pure & Applied Chemistry</i> 22(2): 66-73	ISSN: 2231-3443	2021 5.40
06	Plant Available Water Capacity (PAWC) for Deep-Rooted Crops in Cracking Clay Soils (Vertisols) of Semi-Arid Central India	<i>Clay Research, Vol. 39, No. 2, pp. 89-109</i>	ISSN: 0255-7193	2020 2.97
07	Quality of Vermicompost and Compost of Municipal Solid Waste (MSW) and their Effect on Soil Characteristics, Nutrients Content, Uptake and Yield of <i>Chickpea</i>	<i>Chemical Engineering</i> 1(1) 130 -135.	ISSN: 0009-2460	2020 6.00
08	Effect of Graded Levels of Nitrogen and Potassium on Growth, Nutrient Content and Uptake of Sweet Potato (<i>Ipomoea batatas. L.</i>) in	<i>International Journal of Plant & Soil Science</i> 23(5): 1-8,	ISSN: 1386. I306 ISSN: 2320-7035	2019 4.77
09	Soil Site Suitability for Commonly growing crop in Drought Prone Area of Krishna Valley in Marathwada Region Maharashtra	<i>Journal Agriculture Research and Technology</i> 42(3): 154-158	ISSN 2230-9705	2017 4.12
10	Microtopography as a Factor in the Degradation of Vertisols in Central India.	<i>Land Degradation and Development.</i> 2002 13:429-445.	ISSN-1085-3278	2002 13.27

Credentials:

Particulars	Numbers	Particulars	Numbers
Research Articles	77	Popular Articles	68
Books / Booklets	13	Book Chapters	05
Research/Technology Recommendations	15	Varieties Developed	--
Patents	--	Abstracts Published	131
Technical Publication	18	Lead lecture Delivered	12

Significant Achievements (Top Five)

Patent/IP/Technologies/ Varieties/Machineries Developed / Methodologies/ Recommendations
1. Tank Silt Hybridization in Very Shallow Soil : Three Fold Increase Soil Quality and Productivity
2. Soil Site Suitability Evaluation : Pomegranate, Tamarind , Turmeric and commonly grown crop
3. Role of PAWC and Hydraulic Conductivity in land Evolution / Soil Site Suitability
4. Developed village level Soil -Water –Climate based Land Use Plan/ Health card
5. Developed Decision Support System For Hingoli District by using RS & GIS

Externally Funded Projects: Implemented/Handled/Assisted

Sr. No.	Position	Name of project	Funding Agency	Project Cost	Year
1	Principal Investigator	Assessment of quality of tank silt and tank silt applied soils of Osmanabad District	ATMA Gov. of Maharashtra	3.50 Lakhs	2013-2015
2	Principal Investigator	Evaluation of the Efficiency of a Soil pH Regulator (SPR) on Cotton Crop.	Smart Chem. Tech. Pune	4.50 Lakhs	2019-2021
3	Core team member	National Agricultural Higher Education Project, Center of Excellence for Digital Farming Solutions for Enhancing Productivity by Robots, Drones, and AGVs	ICAR, New Delhi	18 Cr.	2019-2023
4	Principal Investigator	Automation in soil testing laboratory and development of DSS for Sustainable Agriculture in Marathwada Region, Maharashtra	Gov. of Maharashtra	2.70 Cr	2022-2025
5	Principal Investigator	Insight and field validation of Nano Fertilizers in major crop under different agro ecosystem	IFFCO, New Delhi	25 Lakhs	2023-2025

Awards/Recognitions (Top Five)

1. “Councilor” (2019-21) Executive council, Indian Society of Soil Science ,IARI, Pusa, New Delhi
2. “Councilor” (2015-2017) & Joint Secretary” (2018-2020) Executive council, Indian Society of Soil Survey and Land Use Planning, NBSS & LUP (ICAR), Nagpur
3. “Young Scientist Award” Astha Foundation, for Degradation of Vertisole under SAT.... on the occasion of National Conference at Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya Gwalior (MP)
4. “Outstanding Achievement Award” for the research work of Tank Silt Hybridization In Very Shallow Soil...on the occasion of National Conference at PJTSAU, Hyderabad , Telangana
5. “Fellow Award” for the contribution in Soil Science by Society for Scientific Development in Agriculture and Technology , on the occasion of National Conference at Directorate of Rice Research (ICAR), Rajendranagar, Hyderabad, Telangana.
