

Faculty Profile

Personal Details

Name	Dr. Sumant B. Jadhav	
Designation	Professor (CAS)	
E-Mail	sbjadhav.aep@gmail.com	
ContactNo	9422112381/7588082073	

Academic Qualifications

Degree	Specialization	University	Year of Passing
B.Tech. (Agril.Engg.)	Agril. Engg.	VNMKV, Parbhani	1989
M.Tech. (IDE)	Irrigation and Drainage Engineering	MPKV, Rahuri	1993
Ph.D. (IDE)	Irrigation and Drainage Engineering	VNMKV, Parbhani	2020
Additional Qualification (if any): Additional Degree/Diploma/NET/SET			
Qualified NET Examination in 2010 in the discipline of Land and Water Engineering.			

Professional Experience

Stream	Years	Stream	Years
Teaching	24	Research	24
Extension	24	Administration	—

Area of Research/Interest

Irrigation Water Management, Micro irrigation, Fertigation and AquaCrop model

Research Guidance

Degree	No. of Student & Guided
M.Sc./M.Tech	14
Ph.D.	--

Research Accomplishments (Recent Ten Most Important Publications)

Sr.No	Title	Journal	ISSN/ISBN	NAAS Rating
01	A.U.Waikar and S.B.Jadhav Response of different potassium fertilizer levels through fertigation on rose (Rosa indica) cv. Passion under protected cultivation	Internat. J. Agril. Engg. Vol.5(1)2012 :12-15		3.6

02	D.V.Raut and S.B.Jadhav Use of computer software for crop water requirements to actual water applied in canal command area of Jayakwadi project	Internat. J.Agril. Engg. Vol.5(1)2012 :37-40		3.6
03	A.U.Waikar and S.B.Jadhav Effect of fertigation treatment of potassium fertilizer levels for rose (Rosa indica) cv. Passion under protected cultivation	Green Farming Internat. J. of applied Agricultural and Horticultural Sci. 2013 Vol. 4 (1) : 121-122 ;		3.85
04	S. H. Jedhe, S.B.Jadhav and V. P. Mandale Estimation of yearly,monthly and weekly drought for Aurangabad district of Maharashtra	Asian Journal of Environmental Science,2014 Vol.9(2):87-90	ISSN-0976-8947	5.0
05	S. H. Jedhe, S.B.Jadhav and V. P. Mandale Weekly water balance of pomegranate in Parbhani district	Asian Journal of Environmental Science, 2014 Vol.9(2):103-105	ISSN-0976-8947	5.0
06	V.R. Mandve and S.B.Jadhav Performance evaluation of portable mini sprinkler irrigation system	International J. Innovative Res. In Sci, Engg. And Tech.(IJIRSET),2014 Vol.3(4):177-184	ISSN No.2319-8753	h-index : 1
07	R.V. Shinde, S.B.Jadhav and S. N. Pawar Analysis of meteorological drought for Latur and Osmanabad district of Maharashtra	International Journal of Agricultural Engineering,2016 Vol.9(1):35-38	ISSN No.0976-7223	4.43
08	S.B. Jadhav, U.M. Khodke, H.W.Awari and V.K. Ingle Effect of fertigation technology in high value crops – An overview	Multilogic in Science Vol III (B) 2019	ISSN 2277-7601	5.20
09	S.B. Jadhav,U.M. Khodke and G.D.Gadade Yield response of cabbage to different irrigation and fertigation levels	Multilogic in Science Vol III (B) 2019	ISSN 2277-7601	5.20
10	S.H. Shivpuje, P.R. Khole and S.B. Jadhav Performance and	Multilogic in Science 2020	ISBN/ISSN No.2277-7601	5.20

	evaluation of solar photovoltaic water pumping system			
11	S.B. Jadhav,U.M.Khodke,V.K. Ingle and H.W. Awari Water use efficiency of cabbage as influenced by irrigation schedules and fertigation levels	Journal of Pharmacognosy and phytochemistry October 2020 Vol. 9(6)Page No.344-348	ISSN No.2278-4136	5.21
12	S.B. Jadhav,U.M. Khodke, H.W. Awariand V.K. Ingle Effect of irrigation schedules and fertigation levels on yield of cabbage (<i>Brassica Oleracea Var. Capitata</i>)	International Journal of chemical studies October 2020Vol.8(6) Page No.424-427	ISSN No.2321-4902	5.31
13	S. B.Jadhav and U.M.Khodke Soil moisture distribution studies under drip irrigation in soils of Marathwada (M.S.)	International Journal of chemical studies 2020	ISBN/ISSN No.2321-4902	5.31
14	R. N. Jadhav, S.B.Jadhav, H.W. Awari V.K. Ingle and U.M. Khodke Assessment of AquaCrop model for Irrigated cotton under deficit irrigation in semi-arid tropics of Maharashtra	International Journal of Curr. Microbiology and applied sciences January 2022 Vol. 11(1)Page No.123-135	ISSN No.2319-7706	5.38

Credentials:

Particulars	Numbers	Particulars	Numbers
ResearchArticles	30	PopularArticles	25
Books / Booklets	08	BookChapters	8
Research/Technology Recommendations	08	VarietiesDeveloped	--
Patents	--	Abstracts Published	25
TechnicalPublication	20		

Significant Achievements(Top Five)

Patent/IP/Technologies/ Varieties/Machineries Developed / Methodologies/ Recommendations	Year
Total 10 Recommendations	2014-2024
ExternallyFundedProjects:Implemented/Handled/Assisted	
IoT based smart hydroponics – Innovative way of future farming. Funded by RAJIV GANDHI SCIENCE & TECHNOLOGY COMMISSION (RGSTC)	

Awards/Recognitions (Top Five)

Commendation certificate by NAARM, Hyderabad for the best performance in the team

teaching exercise

Dr. D. G. Kulkarni Krishi Lekhan Puraskar for best article published in Baliraja Magazine

Best Teacher Award in **2014** for services rendered to the profession.

Best thesis Award (Ph.D.) 2023 in 5th International Conference on innovative and current advances in agriculture and allied sciences during 10-16 July 2023 held at Dubai, UAE.