


# Faculty Profile

## Personal Details

Name	Dr. R.G.Bhagyawant	
Designation	Professor (CAS) & Head, Dept. of Agril. Engg.	
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## Academic Qualifications

Degree	Specialization	University	Year of Passing
B.Tech (Agril.Engg.)	Agricultural Engineering	MPKV, Rahuri	1994
M.Tech (Agril.Engg.)	Irrigation & Drainage Engineering	MPKV, Rahuri	1997
Ph.D. (Agril.Engg.)	Irrigation & Drainage Engineering	MPKV, Rahuri	2015
Additional Qualification(if any): Additional Degree/ Diploma/ NET/ SET			

## Professional Experience

Stream	Years	Stream	Years
Teaching	27	Research	27
Extension	27	Administration	03

### Area of Research/Interest

Deficit Irrigation for water loving crops.

## Research Guidance

Degree	No.ofStudent Guided
M.Sc./M.Tech	10
Ph.D.	02 (Advisory member)

## Research Accomplishments (Recent Ten Most Important Publications)

Sr.No	Title	Journal	ISSN/ISBN	NAAS Rating
1	Calibration of FAO-aqua crop model for summer chilli ( <i>Capsicum annum L.</i> ) in Maharashtra S.J.Supekar, A.S.Kadle and R.G.Bhagyawant	International Journal of Chemical Studies 2020: 891): 2574-2578	ISSN 2349-8528	5.2
2	Assessment of fruit quality, dry matter yield and nutrient uptake of ( <i>Capsicum annum L.</i> ) for different irrigation and fertigation levels.	International Journal of Chemical Studies	ISSN 2349-8528	5.2

3	Calibration of FAO-aquacrop model fccor summer chilli ( <i>Capsicum annuum</i> L.) in Marathwada region S.J.Supekar, A.S.Kadale and <b>R.G.Bhagyawant</b>	International Journal of Chemical Studies	ISSN 2583-2588	5.2
4	Effect of different irrigation and fertigation levels on fruit quality and yield of summer chilli ( <i>Capsicum annuum</i> L.)	International Journal of Chemical Studies 2021;9(2)1039-1043	ISSN 2349-8528	5.2
5	Response of Cauliflower to irrigation schedules and fertilizers levels under drip irrigation P.G. Popale, and <b>R.G. Bhagyawant</b> .	International journal of Agriculture Engineering Vol.5. Issue 62-65 (2012)	ISSN 0974-2662	5.2
6	Studies on Ground Water Pollution Due to Sewage Water <b>R.G. Bhagyawant</b> , R.G. Naik and P.G. Popale.	Journal of Agriculture Research and Technology 37(2):294-299 (2012)	ISSN 2230-9705	4.5
7	Cost Economics and Yield Response of Cauliflower Crop under Drip Irrigation <b>R.G. Bhagyawant</b> , and P.G. Popale,	Journal of Agriculture Research and Technology 37(3):462-465(2012)	ISSN 2230-9705	4.5
8	Effect of Deficit Irrigation on Crop Growth, Yield and Quality of Onion under Surface Irrigation <b>R.G.Bhagyawant</b> ,S.D.Gorantiwar and S.D.Dahiwalkar.	American-Eurasian J. Agric. & Environ. Sci., 15 (8): 1672-1678, 2016	ISSN: 0973-1431	-
9.	Effect of Deficit Irrigation on Growth, Yield and Quality of onion <b>R.G.Bhagyawant</b> ,S.D. Gorantiwar, S.D. Dahiwalkar, M.N. Bhalekar and D.D. Khedkar.	BIOINFOLET 11(2A):341-343,2014	ISSN: 0973-1431	3.93
10.	Yield and storability of onion ( <i>Allium Cepa</i> L.) as affected by deficit irrigation <b>R.G. Bhagyawant</b> , S.D. Gorantiwar, S.D. Dahiwalkar, and M.N. Bhalekar.	BIOINFOLET 11(2C):726-729,2014	ISSN: 0973-1431	3.93

## Credentials:

Particulars	Numbers	Particulars	Numbers
Research Articles	20	Popular Articles	15
Books / Booklets	02	Book Chapters	05
Research/Technology Recommendations	05	Varieties Developed	-
Patents	-	Abstracts Published	25
Technical Publication	05		

## Significant Achievements (Top Five)

Patent/IP/Technologies/ Varieties/Machineries Developed / Methodologies/ Recommendations	Year
1. Deficit irrigation for rabbi onion production in semiarid condition	2015
2. Developed 5 <sup>th</sup> order polynomial equation for estimating crop coefficient of for rabbi onion crop	2015
3. Developed yield response factor for rabbi onion crop under deficit irrigation approach	2015
4. Under deficit irrigation management, rabi onion should be irrigated with 20% less than required water during bulb initiation stage (i.e. 51 to 75 days after transplanting) to obtain maximum production of quality onion bulbs in medium deep soils of scarcity zone of Maharashtra.	2015
<b>Externally Funded Projects: Implemented/Handled/Assisted: Nil</b>	

## Awards/Recognitions (Top Five)

1. Best presentation award at ICAR-Central Institute of Post-Harvest Engineering & Technology ,Ludhiana (Punjab)
2. Best Commendation certificate at ICAR-Central Institute of Post-Harvest Engineering &Technology ,Ludhiana (Punjab)
3. Best Trainee Certificate at ICAR Sponsored training course at Dr.PDKV, Akola.
4. Appreciation certificate from Hon. Vice-Chancellor, VNMKV, Parbhani for Accepting and presenting the Adoch-research scheme at ICAR New Delhi
5. Appreciation certificate from Hon. Vice-Chancellor, VNMKV, Parbhani for organizing ICAR Sponsored national level short training course on Design operation and maintenance of micro irrigation system