



**Department of Agronomy**  
**Post Graduate Institute**  
**Mahatma Phule Krishi Vidyapeeth,**  
**Rahuri-413 722, Dist. Ahmednagar (MS)**



### Preamble

The Department of Agronomy is one of the most important department of the Mahatma Phule Krishi Vidyapeeth, Rahuri. This Department was initially established as a Agronomy section in 1902 at Agricultural College, Pune under the leadership of Prof. J. B. Knight (1902) followed by Prof. V. G. Gokhale (1928), Dr. H. R. Arkeri (1951), Dr. B. A. Chaugule (1954) and Dr. K. R. Sahasrabuddhe (1965). Later on full-fledged Department of Agronomy was established in 1969, with the inception of Mahatma Phule Krishi Vidyapeeth, Rahuri. Dr. V. S. Khupse was the founder Head of the Department. Further development and strengthening of the department was made by Dr. B. B. Patil, Dr. N. K. Umarani Dr. S. H. Shinde and Dr. C. B. Gaikwad and Dr. M. B. Dhonde Presently, Dr. A. V. Solanke is working as the Head of the Department.

The research work done and technology developed during last 45 years by the Agronomist in the field of crop and water management have influenced the farmers, policy makers and administrators at State and National level. It was the first department to undertake the responsibility of Agricultural Extension through an innovative programmes of Agriculture Information Technology. The Department of Agronomy is engaged in Post Graduate teaching leading to M.Sc. (Agri.) and Ph.D. degree.

### Manadate

- To offer courses of Agronomy for the undergraduate degree programme in the faculties of Agriculture, Horticulture, Agril. Engineering and also for Post Graduates Programme leading to M.Sc.(Agri.) and Ph.D. degree in Agronomy.
- To undertake the need based research programme through post graduate students, research project and ad-hoc research project in Agronomy discipline.
- To refine the department research activities by developing suitable agro techniques for improving productivity and profitability.
- To provide suitable forum for exchange of ideas to research scientists, extension staff and NGO's through field trails, training, group discussions, seminars, workshops, conferences and symposia.
- To provide technical advice to farmers on advance technology in the field of agronomy.

- To collaborate with National, International and other research organizations for undertaking reserach programme.
- To participate in Agril. Extension activities organized by MPKV and Department of Agriculture, Horticulture and Irrigation.
- To organize Trainings/Summer/Winter school/ Seminars/ Workshops/ Confernece to provide common forum.
- To disseminate the scientific knowledge of Agronomic research through scientific and extension publicaiton.

### Thrust area

- |                                     |  |
|-------------------------------------|--|
| 1) Cropping systems                 | 8) Integrated farming system                   |
| 2) Integrated nutrient management   | 9) Protected cultivation                       |
| 3) Weed management                  | 10) Farm mechanization                         |
| 4) Dry land technology              | 11) Soil conservation and watershed management |
| 5) Conservation tillage             | 12) Climate change                             |
| 6) Water management and fertigation |  |
| 7) Organic farming                  |  |

### Faculty

#### Academic Staff

Name	Designation	Phone	Email
Dr. A. V. Solanke	Head of Department	09422921816	hodagron.mpkvah-mh@gov.in anands790@gmail.com
Dr. U. S. Surve	Professor	09822606511	ussurve@yahoo.co.in
Dr. S. S. Ilhe	Associate Professor	09404073660	suryabhanilhe@gmail.com
Dr. R. P. Andhale	Associate Professor	09422779467	rpandhale@yahoo.co.in
Dr. B. T. Sinare	Associate Professor	09404115448	btsinare69@gmail.com
Dr. D. D. Dudhade	Associate Professor	09096812069	dddudhade@gmail.com

## Academic Programmes

### Annual intake capacity of M.Sc. (Agri.) and Ph.D. students

Name of campus	Intake Capacity	
	M.Sc. (Agri.)	Ph.D.
PGI, MPKV, Rahuri	15	06
College of Agriculture, Pune	06	-
College of Agriculture, Dhule	04	-
College of Agriculture, Kolhapur	06	-
<b>Total</b>	<b>31</b>	<b>06</b>

### M.Sc. (Agri.) Course Layout Minimum Credit Requirements

Sr. No.	Subject	Minimum credit (s)
1.	Major	20
2.	Minor	09
3.	Supporting	06
4.	Seminar	01
5.	Research	20
	<b>Total Credits</b>	<b>56</b>
	Compulsory Non Credit Courses	06

Sr. No.	Course Number	Course Title	Credits
<b>A) Major subjects (Min. 20 credits)</b>			
1.	AGRON 501	Modern Concepts in Crop Production	3+0=3
2.	AGRON 502	Soil Fertility and Nutrient Management	2+1=3
3.	AGRON 503	Principles and Practices of Weed Management	2+1=3
4.	AGRON 504	Principles and Practices of Water Management	2+1=3
5.	AGRON 505	Agrometeorology and Crop Weather Forecasting	2+1=3
6.	AGRON 512	Dry Land Farming and Watershed Management	2+1=3
7.	AGRON 513	Principles and Practices of Organic Farming	2+1=3
<b>B) Minor Subjects (Min. 9 credits)</b>			
1.	Soils 501	Soil Physics	2+1=3
2.	PP 501	Mineral Nutrition	2+1=3
3.	Soils 509	Soil, Water and Air Pollution	2+1=3
<b>C) Supporting Subjects (Min. 6 credits)</b>			
1.	Stat.511	Statistical Methods for Applied Science	2+1=3

2.	Stat.512	Experimental Design	2+1=3
<b>D) Seminar (1 credit)</b>			
		Seminar	0+1=1
<b>E) Master's Research (20 credits)</b>			
		Master's Research	0+20=20
<b>F) Non Credit Compulsory Courses (Min. 6 credits)</b>			
1.	PGS 501	Library and Information Services	0+1=1
2.	PGS 504	Basic Concepts in Laboratory Techniques	0+1=1
3.	PGS 502	Technical Writing and Communication Skills	0+1=1
4.	PGS 503	Intellectual Property and its Management in Agriculture	1+0=1
5.	PGS 505	Agricultural Research Ethics and Rural Development Programmes	1+0=1

**Ph.D. Course Layout  
Minimum Credit Requirements**

Sr. No.	Subject	Minimum credit(s)
1.	Major	15
2.	Minor	08
3.	Supporting	05
4.	Seminar	02
5.	Research	45
	<b>Total Credits</b>	<b>75</b>
	Compulsory Non Credit Courses	06
		*If these course completed in M. Sc Degree no need to take this courses for Ph D degree

Sr. No.	Course Number	Course Title	Credits
<b>D) Major subjects (Min.15 credits)</b>			
1.	AGRON 601	Current Trends in Agronomy	3+0=3
2.	AGRON 602	Crop Ecology	2+0=2
3.	AGRON 604	Advances in Crop Growth And Productivity	2+1=3
4.	AGRON 605	Irrigation Management	2+1=3
5.	AGRON 606	Advances in Weed Management	2+0=2
6.	AGRON 607	Integrated Farming Systems	2+0=2
7.	AGRON 608	Soil Conservation and Watershed Management	2+1=3
<b>E) Minor Subjects (Min.08 credits)</b>			
1.	Soil.601	Advances in Soil Physics	2+0=2
2.	PP.605	Climate Change and Crop Growth	2+0=2
3.	PP.607	Weed Physiology and Herbicide Action	1+1=2
4.	SST.601	Hybrid Seed Production	1+1=2

<b>F) Supporting Subjects (Min. 05 credits)</b>			
1	Soils.603	Physical Chemistry of Soils	2+0=2
2	Soils.602	Advances in Soil Fertility	2+0=2
3	Soils.606	Land Use Planning and Watershed Management	2+0=2
<b>F) Seminar (02 credit)</b>			
		Seminar-I	0+1=1
		Seminar-II	0+1=1
<b>G) Doctoral Research (45 credits)</b>			
		<b>Doctoral Research</b>	0+45=45
<b>F) Non Credit Compulsory Courses</b>			
1.	PGS 501	Library and Information Services	0+1=1
2.	PGS 504	Basic Concepts in Laboratory Techniques	0+1=1
3.	PGS 502	Technical Writing and Communication Skills	0+1=1
4.	PGS 503	Intellectual Property and its Management in Agriculture	1+0=1
5.	PGS 505	Agricultural Research Ethics and Rural Development Programmes	1+0=1
6.	PGS 506	Disaster Management	1+0=1

## Laboratories

### Important instruments/ Laboratory facilities

- 1) Line Quantum Sensor
- 2) Soil Moisture Meter
- 3) TDR (Time Domain Reflectometer)
- 4) Pressure Plate Apparatus
- 5) Photosynthesis System (IRGA)
- 6) Near Infrared Thermometer
- 7) UV Spectro Photometer
- 8) Polarimeter
- 9) Steady State Porometer
- 10) Automatic Fertigation Unit
- 11) Lux meter
- 12) Leaf area meter
- 13) Chlorophyll meter
- 14) Flame photometer
- 15) Automatic N Analyser
- 16) Plant Water Console



**SPAD meter**



**IRGA Machine**



**NIR Thermometer**

### **Instructional Farms**



**Automatic fertigation installed at PGI farm, MPKV, Rahuri**



**Polyhouse erected at PGI Farm, MPKV, Rahuri**

## Research Programme

### A) Post Graduate Research - M.Sc. (Agri.) in Agronomy

Sr	Name of the student	Reg. No.	Title /Research topic	Name of Research Guide	Year of thesis submission
1.	Mr. Bhosale D.S.	10/002	Effect of foliar spray of water soluble fertilizers on growth, yield and quality of wheat.	Dr. U. S. Surve	2013
2.	Mr. Gavali R.R	10/005	Performance of different herbicides and their combinations on growth yield and quality of wheat.	Prof. M. M. Desai	2014
3.	Mr. Kendule S.A	10/007	Response of summer cucumber to irrigation regimes, varying fertigation levels and intervals.	Dr. A. D. Tumbare	2013
4.	Mr. Mane V.L.	10/008	Response of irrigation frequencies to different chickpea varieties.	Dr. U. S. Surve	2012
5.	Mr. Pawar V.A.	10/010	Heat stress management study through irrigation regimes coupled with different sowing dates in summer season soybean.	Prof. J. B. Shinde	2013
6.	Mr. Salunkhe S.T.	10/011	Effect of Integrated Nutrient Management on growth and yield of <i>kharif</i> Onion.	Dr. S. K. Kamble	2014
7.	Mr. Yadav J.J.	10/013	Response of summer chilli to varying irrigation and fertigation schedule.	Dr. A. D. Tumbare	2013
8.	Mr. Ramdayal Meena	10/014	Effect of light intensity manipulated through different shadenet colours and fertilizer levels on beetroot.	Dr. R. P. Andhale	2014
9.	Mr. Somendro Singh	10/015	Effect of Integrated nutrient management on growth, yield and quality of summer groundnut.	Dr. S. M. Dhadge	2012
10.	Mr. Tyade D.K	10/016	Effect of post emergence herbicide on growth and yield of chickpea.	Dr. D. D. Dudhade	2013
11.	Mr. Sathe S.U.	10/017	Effect of cutting management on seed yield of fodder oat varieties.	Dr. S. H. Pathan	2013

12.	Mr. Lende N.S	10/018	Irrigation management for chickpea.	Prof. H. M. Patil	<b>2013</b>
13.	Mr. Dudhade P. D.	11/002	Conservation agriculture through land configuration and irrigation management for effective production in chickpea.	Dr. P. S. Bodake	<b>2013</b>
14.	Mr. Kalbhor D. S.	11/003	Response of cabbage cultivars to microclimate and various levels of fertigation under polyhouse condition.	Dr. A. D. Tumbare	<b>2013</b>
15.	Miss. Limkar S. N.	11/007	Effect of planting techniques and irrigation regimes on marigold under drip irrigation.	Prof. J. B. Shinde	<b>2013</b>
16.	Mr. Mundhe R. P.	11/009	Effect of shade net colours and shading intensity on growth and yield of cabbage.	Dr. R. P. Andhale	<b>2014</b>
17.	Mr. Zambre P.B.	11/010	Effect of foliar sprays of WSF, growth regulator and micronutrient on growth, yield and quality of soybean.	Prof. P. T. Kolekar	<b>2013</b>
18.	Mr. Jadhav P. A..	11/011	Effect of land configuration and nutrient levels on growth and yield of <i>kharif</i> groundnut.	Dr. S. M. Dhadge	<b>2015</b>
19.	Miss. Ravan S. A.	11/012	Integrated weed management in chickpea under irrigated condition.	Dr. A. B. Kamble	<b>2013</b>
20.	Mr. Khade Y.K.	11/013	Response of different varieties of peas to irrigation regimes during <i>rabi</i> season.	Dr. U. S. Surve	2013
21.	Miss. Yanglem S.Devi	11/014	Response of cauliflower to varying irrigation regimes and fertigation levels.	Dr. A. D. Tumbare	<b>2013</b>
22.	Mr. Dongarwar S. M.	11/016	Effect of nutrient management on green forage yield of summer pearl millet.	Dr. S. H. Pathan	<b>2014</b>
23.	Mr. Charles M. Bisiwasi	11/017	Effect of integrated weed management on green forage yield and quality of oat.	Dr. P. S. Bodake	<b>2013</b>
24.	Mr. Gautam Maruti	11/018	Integrated weed management in <i>kharif</i> onion.	Prof. B.T. Sinare	<b>2013</b>
25.	Mr. Bandrewar V. R.	11/019	Response of nitrogen splitting and foliar sprays under drip irrigation method on growth, yield and quality of Bt. Cotton.	Prof. S. S. Tuwar	<b>2013</b>
26.	Mr. Ban P. R.	11/021	Effect of shade net colours,	Dr. M. B.	<b>2014</b>



			shading intensity and trailing system on growth and yield of green pea.	Dhonde	
27.	Miss. Dudhal S. S.	012/002	Effect of fertigation levels and schedules on growth, yield and quality of Wheat under drip irrigation.	Dr. A. D. Tumbare	<b>2014</b>
28.	Mr.Gavali A. A.	012/003	Effect of micronutrients and stress management on growth, yield and quality of soybean	Dr. P. S. Bodake	<b>2014</b>
29.	Mr. Gharbude N. A.	012/004	Comparative performance of coloured shadenet house and open field condition on growth yield and quality of chilli cultivars.	Dr. A. D. Tumbare	<b>2014</b>
30.	Mr. Mudagul P. D.	012/006	Comparative performance of coloured shadenet house and open field condition on growth and yield of cabbage cultivars.	Dr. U. S. Surve	<b>2014</b>
31.	Mr. Mule G. N.	012/007	Effect of application of phosphorus and sulphur on productivity of green gram	Dr. B. S. Raskar	<b>2014</b>
32.	Mr.Muthal Y. C.	012/008	Effect of foliar application of micronutrient and macronutrients on growth, yield and quality of <i>kharif</i> greengram	Prof. J. B. Shinde	<b>2014</b>
33.	Miss Patil P. C.	012/009	Effect of different threshing methods on growth and yield of soybean cultivars	Dr. U. S. Surve	<b>2014</b>
34.	Mr. Tekale G.P.	012/011	Efficacy of different herbicide on growth and yield of soybean	Prof. S. S. Tuwar	<b>2015</b>
35.	Mr. Yende Y. S.	012/013	Effect of post emergence herbicide on pigeon pea	Dr. D. D. Dudhade	<b>2015</b>
36.	Miss. Kokani R. B.	012/014	Integrated weed management with low volume hericides in sweet corn	Dr. A. B. Kamble	<b>2014</b>
37.	Miss. Yadav Poonam	012/015	Effect on fertilizers on planting method in soybean	Dr. P. S. Bodake	<b>2014</b>
38.	Miss. Patel Sudha	012/016	Effect of integrated weed management strategies on growth, yield and quality of	Dr. M. B. Dhonde	<b>2014</b>

			soybean.		
39.	Mr. Nannajkar R. R.	012/017	Effect of varying spacing and fertilizer levels on seed yield of sunnhemp	Prof. B. T. Sinare	<b>2014</b>
40.	Miss. Bhalekar A.K.	R/013/001	Response of sunflower hybrids to nitrogen levels during <i>kharif</i> season.	Dr. D. W. Thawal	<b>2015</b>
41.	Mr. Patil J. V.	R/013/002	Nutrient management through organic and inorganic sources in soybean.	Dr. B. S. Raskar	<b>2015</b>
42.	Mr. Birdawale G. B.	R/013/003	Response of summer Groundnut under varying planting densities and fertilizer levels.	Dr. A. V. Solanke	-
43.	Mr. Kharat P. S.	R/013/004	Standardization of planting geometry and fertilizer requirement in Bt. Cotton.	Dr. S. K. Kamble	<b>2015</b>
44.	Mr. Kshirsagar M.A.	R/013/005	Effect of irrigation stress at different critical growth stages on growth, yield and quality of soybean.	Dr. U. S. Surve	<b>2015</b>
45.	Mr. Sarade P. K.	R/013/006	Integrated nutrient management in Summer Groundnut	Dr. R.P. Andhale	<b>2015</b>
46.	Mr. Kare S. D.	R/013/007	Response of summer Groundnut to planting material and drip irrigation with and without polythene mulch.	Prof. S. S. Tuwar	-
47.	Mr. Zanje D.S.	R/013/008	Nutrient management in summer soybean through potash levels and foliar spray	Prof. J. B. Shinde	-
48.	Mr. Nangare M.V.	R/013/009	Performance of soybean varieties under different layouts	Dr. M. B. Dhonde	<b>2015</b>
49.	Mr. Gadge B.B.	R/013/010	Performance of okra varieties under coloured shadenet and open field conditions during summer season.	Dr. A. D. Tumbare	<b>2015</b>
50.	Mr. Mundhe .S.N.	R/013/013	Performance of Cauliflower varieties under coloured shadenet and open field conditions during summer	Dr. U. S. Surve	<b>2015</b>
51.	Mr. Sanjeev Singh	R/013/014	Integrated weed management in Pigeonpea	Dr. A. B. Kamble	-

52.	Mr. Rajendra Kumar	R/013/015	Integrated weed management in Bt Cotton.	Dr. A. B. Kamble	<b>2015</b>
53.	Mr. Bochare A.D.	R/013/016	Effect of nutrient management on forage maize yield.	Dr. A. V. Solanke	<b>2015</b>
54.	Mr. Sakpal S.S.	R/013/017	Response of greengram to potash level and foliar spray	Dr. D. D. Dudhade	<b>2015</b>
55	Mr. Waheedullah B.	R/013/018	Effect of shadenet colours and foliar spray of boron on growth and yield of summer okra	Dr. D. W. Thawal	<b>2015</b>

### A) PhD in Agronomy

Sr	Name of the student	Reg. No.	Title /Research topic	Name of Research Guide	Year of thesis submission
1.	Miss. Apotikar V.A.	2008/02	Response of Potato in relation to microclimate studies under different irrigation levels, planting dates and mulching.	Dr. A. V. Solanke	<b>2012</b>
2.	Mr. Ilhe S.S.	2008/05	Response of Bt cotton to irrigation and fertigation apportioning schedules.	Dr. A. D. Tumbare	<b>2013</b>
3.	Mr. Pathan S.H.	2008/06	Effect of planting pattern, cutting management and fertilizer levels on growth, yield and quality of hybrid Napier.	Dr. A. D. Tumbare	<b>2013</b>
4.	Mr. Hasure R. R.	2008/07	Response of coloured capsicum to nutrients and pruning management under polyhouse condition.	Dr. A. S. Jadhav	<b>2015</b>
5.	Mr. Surve U. S.	2008/08	Studies on integrated farming system research models with special reference to productivity, profitability and water budgeting.	Dr. E. N. Patil	<b>2013</b>
6.	Mr. Dhebe P.M.	2009/01	Effect of Agrotechniques and crop geometry on weed control in Bt cotton hybrid Mallika.	Dr. M. B. Dhonde	<b>2015</b>
7.	Mr. Benke P. S.	2009/02	Effect of tillage and integrated weed management on weed dynamics, weed shift and productivity of soybean-onion sequence.	Dr. A. V. Solanke	<b>2014</b>
8.	Mr. Pawar P. B.	2009/04	Studies on microclimate of	Dr. A. S. Jadhav	2013

			summer pearl millet under different sowing time and irrigation regimes.		
9.	Mr. Ugale N. S.	2009/06	Effect of organic inputs on yield, quality and soil properties in soybean-wheat cropping sequence.	Dr. A. G. Wani	2014
10.	Mr. Sinare B. T.	2009/07	Effect of land configuration, irrigation regimes and potassium levels on summer groundnut.	Dr. M. B. Dhonde	2014
11.	Mr. Girase P. P.	2009/09	Esponse of Ashwagandha to planting layouts, spacing and nutrient management under drip irrigation system.	Dr. M. B. Dhonde	2015
12.	Mr. Danawale N. J.	2009/10	Response of tomato to different fertigation schedules and irrigation regimes during rabi season	Dr. A. D. Tumbare	2012
13.	Mr. Londhe V. M.	2009/11	Intercropping of pigeonpea with groundnut as influenced by irrigation methods and different crop geometry.	Dr. A. V. Solanke	2014
14.	Mr. Giri M.D.	2010/02	Evaluation of n splitting and foliar nutrition for yield maximization and control of reddening in Bt cotton under inceptisol and vertisol.	Dr. M. B. Dhonde	<b>2013</b>
15.	Mr. Tekale C.D.	2010/06	Effect of different fertilizer levels and fertigation schedules on growth, yield and quality of cucumber under polyhouse condition.	Dr. A. D. Tumbare	<b>2014</b>
16.	Mr. Pacharne D. P.	2010/07	Nutrient management and its residual effect on yield potential of groundnut based diversified cropping systems.	Dr. A. D. Tumbare	2014
17.	Mr. Wadile S. C.	2010/08	Nutrient management and land configuration in soybean-maize crop sequence.	Dr. A. V. Solanke	2014
18.	Mr. Thombre V. K.	2010/09	Performance of summer groundnut-clusterbean intercropping under climatic variability	Dr. M. B. Dhonde	2015
19.	Mr. Khadtare.S.V.	2010/10	Development of crop weather relationship under different sowing windows and irrigation regimes in summer groundnut	Dr. M. B. Dhonde	2014

20.	Shri. Kolase R.H.	11/007	Effect of fertigation and irrigation regimes on soil properties, yield and quality of Turmeric	Dr. M. B. Dhonde	--
21.	Shri. Nagrare I.M.	2012/03	Effect of organic sources on growth and yield of soybean-garlic cropping system	Dr. B. S. Raskar	--
22.	Shri. Patil H.B.	2012/04	Performance of nutrient management in potato preceding by green manuring crops.	Dr. A. V. Solanke	--
23.	Mr. Ughade S.R.	2012/05	Response of summer Tomato to different fertigation levels and schedules under polyhouse.	Dr. A. D. Tumbare	
24.	Shri. Sonawane C.J.	2012/06	Nutrient management in cluster bean- potato cropping system through different organic sources.	Dr. M. B. Dhonde	--
25.	Shri. Dhonde D.P.	2012/07	Productivity enhancement through different fertigation levels and schedules in Bt Cotton- Muskmelon cropping system.	Dr. A. D. Tumbare	--
26.	Shri. Nawale S.S.	2012/08	Soybean cropping sequence to mitigate the effects of sowing dates followed by <i>rabi</i> crops.	Dr. A. V. Solanke	--
27.	Shri. Gunjal B.S.	PH.D.AG/013/01	Integrated nutrient management in sweet corn-potato cropping sequence.	Dr. A. V. Solanke	--
28.	Shri. Kolage A. K.	PH.D.AG/013/02	Nutrient management in maize based vegetable cropping sequences.	Dr. D. W. Thawal	--
29.	Shri. More V. G.	PH.D.AG/013/03	Response of irrigation regime and fertigation levels for summer chilli-watermelon crop sequence with mulch.	Dr. M. B. Dhonde	--
30.	Miss. Pohare V.B.	PH.D.AG/013/04	Integrated nutrient management in soybean-onion crop sequence.	Dr. D. W. Thawal	
31.	Miss. Shinde L.D.	PH.D.AG/013/05	Nutrient management through STCR equation in Groundnut - Potato cropping sequence.	Dr. A. V. Solanke	--
32.	Mr. Thorat S. D.	PH.D.AG/013/06	Response of nutrient management on productivity and profitability of soybean based cropping system.	Dr. B. S. Raskar	--
33.	Shri. Mane R. B.	PH.D.AG/013/07	Standardization of deficit	Dr. A.D.	--

			irrigation and fertigation with planting techniques suitable for mechanization in Bt Cotton under drip.	Tumbare	
34.	Mr. Panchal V.V.	Ph.D./014/01	Influence of sowing windows and irrigation schedules on growth , yield and quality of castor.	Dr. U. S. Surve	--
35.	Mr. Dhonde A.S.	Ph.D./014/02	Development of organic farming package for diversified cropping systems.	Dr. B. S. Raskar	--
36.	Mr. Muthal Y.C.	Ph.D./014/03	Effect of planting layout and plant spacing on growth and yield of bulb production ( <i>Kharif</i> ) and seed production ( <i>Rabi</i> ) onion.	Dr. M. B. Dhonde	--
37.	Mr. Sagvekar V.V.	Ph.D./014/04	Response of drip fertigation on growth, yield and quality of papaya.	Dr. M. B. Dhonde	--
38.	Miss.Kawade A.A.	Ph.D./014/05	Standardization of drip fertigation as per yield target for maize (Grain) - Onion (Seed) cropping sequence	Dr. A. D. Tumbare	--

### Extension Activities

#### Training Programmes Organized:

Sr	Title	Sponsored	Date & Duration	Participants	Organized by	Special feature if any/Remarks
1.	MODEL TRAINING COURSE on Integrated Crop Management Technology Dissemination	Ministry of Agriculture, GOI, New Delhi	January 12 <sup>th</sup> to 19 <sup>th</sup> , 2016	<b>20 participant</b> from Department of Agriculture, Government of Maharashtra, other State Government and Krishi Vigyan Kendras	Jointly organized by the Head, Department of Agronomy, Director of Extension Education Mahatma Phule Krishi Vidyapeeth, Rahuri and Ministry of Agriculture, Govt. of India, New Delhi	Successfully conducted and appreciated by participants

## Achievements

**Numbers of student completed the degree from Agronomy department**

- MSc : 530
- PhD : 88

### Student Awards:

S. N.	Student Name	Award	Sponsoring Institute	Year
1	Mr. Y. C. Muthal	Excellence Agri student Award	Krishithon, Nashik (MS)	2016
2	Ms. A. A. Kawade	Innovative Young Scientist Award	Krishithon, Nashik (MS)	2017
3	Mr. R. K. Sathe	Young Scientist Award	Green Reap Welfare Society, Adilabad, (TS).	2017
4	Ms. Y. M. Gagare	Young Professional Award and Best Oral Presentation award	Genesis Urban and Rural Development Society, Hyderabad. (TS).	2018
5	Mr. V. V. Patil	Young Professional Award	Genesis Urban and Rural Development Society, Hyderabad.(TS).	2018

### Best paper /poster presentation award:

S. N.	Name of the faculty	Award	Sponsoring Institute	Year
1	Dr. H. M. Patil	Best Poster Award	Dr. BSKKV, Dapoli	2013
2	Dr. R. P. Andhale	ISA Best Poster Presentation	Indian Society of Agronomy New Delhi	2014
3	Dr. N. V. Kashid	Best Poster Presentation Award	ICAR-IIRR, Hyderabad	2015
4	Mr. B. D. Malunjkar	Best Poster Award	Indian Society of Weed Science	2017
5	Dr. U. S. Surve	Best Research Paper Presentation Award	PSAR, DFRS, Solapur	2018
6	Dr. N. V. Kashid	Best Research Award	Shivaji University, Kolhapur	2018
7	Dr. V. T. Jadhav	Best Poster Presentation Award	PSAR, DFRS, Solapur	2018

**Students Scholarship/Fellowship:**

S. N.	Name of the Student (Ph.D.)	Name of Scholarship/Fellowship	Monthly Amount of Scholarship	Sponsored by
1.	Mr. Dhebe P.S. 09/001	ASPEE Foundation, Mumbai	2000/-	Private
2.	Mr. Tekale C.D. 10/006	DST, INSPIRE Scholarship	18,000/-	Central Govt.
3.	Dr. Ughade S.R. 12/005	Rajiv Gandhi National Fellowship	25,000/-	Central Govt.
4.	Miss. Pohare V. B. 13/004	Rajiv Gandhi Natinal Fellowship	25,000/-	Central Govt.
5.	Miss. Shinde L. D. 13/005	DST, INSPIRE Scholarship	23,000/-	Central Govt.
6.	Miss. Kawade A.A. 14/005	DST, INSPIRE Scholarship	29,000/-	Central Govt.
7.	Mr. Panchal V. V. 14/001	DST, INSPIRE Scholarship	29,000/-	Central Govt.
8.	Mr. Sathe R.K. 16/004	BARTI, Pune National Fellowship	25,000/-	State Govt.

**Students selected for JRF/SRF/NET ICAR/DBT/ARS**

S. N.	Name of Student	Exam Passed	Year
1	Mr. Y. C. Muthal	NET	2017
2	Mr. J. B. Dhangda	NET	2017
3	Mr. V. V. Patil	NET	2017
4	Mr. V. G. Raut	NET	2017
5	Mr. G. S. Dhaigude	NET	2018

**Foreign student completed M.Sc. (Agri.) in department of Agronomy**

S. N.	Name of Student	Degree	Country	Year
1	Vu Tien Khang	Ph.D.	Vietnam	2008
2	Mr. Charles M. Bisiwasi 11/017	M.Sc.(Agri.)	Malawi	2013
3	Mr. Waheedullah 13/018	M.Sc.(Agri.)	Afghanistan	2015



**Best Center Award:**

Center Name	Award	Sponsoring Institute awarded at	Year
DFRS, Solapur	Best ORP Center Award-2014	AICRPDA, Indore	2014

**Faculty Awards:**

S. N.	Name of the faculty	Award	Sponsoring Institute	Year	National/ International
1	Dr. A. V. Solanke	Agrocare Idol	Kasmade Krishi Mahostav, Pathak Maidan, Satana, Nashik	2015	State
2	Dr. U. S. Surve	Best Young Scientist Award	IJTA and Serial Publication	2015	International
3	Dr. H. M. Patil	Agrocare Idol	Kasmade Krishi Mahostav, Pathak Maidan, Satana, Nashik	2016	State
4	Dr. A. K. Kolage	Agrocare Idol	Kasmade Krishi Mahostav, Pathak Maidan, Satana, Nashik	2016	State
5	Dr. U. S. Surve	Best Research Paper Award- 2014	Indian Society of Agronomy, New Delhi	2016	National
6	Mr. B. D. Malunjkar	Scientist Associate Award	MPUAT, Udaipur	2017	International

**Faculty visit abroad**

S. N.	Name of faculty	Country visited	Year	Purpose
1.	Dr. M B Dhonde	Australia, Newzealand, Singapore	2014	Educational Tour
2.	Dr. A V Solanke	Germany, France , Holland, Spain, Netherland	2013	Educational Tour

**Contact information**

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