



College of Agriculture, Latur



# 13<sup>th</sup> Annual Report



Vasant Rao Naik Marathwada Krishi Vidyapeeth,  
Parbhani - 431402 (MS)





# Thirteenth Annual Report of College of Agriculture, Latur



Vasant Rao Naik Marathwada Krishi Vidyapeeth,  
Parbhani

## Annual Report 2019-20

Correct Citation

**COALAT 2020**

Annual Report of College of Agriculture, Latur for 2019-20  
Nanded Road, Latur, Maharashtra, INDIA.

Cover Page:

**College Activities**

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Printed By

**Yashraj Graphics Designers**

Latur

Published in

May, 2020

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## Foreword



I am happy to know that the College of Agriculture, Latur is bringing out the Thirteenth Annual Report for the year 2019-20 which encompasses the progress and achievements of the College in respect of its mandatory activities. Some times a significant contribution of an institute goes unnoticed and therefore not recognised at appropriate levels. Prof.H.B. Patil, Associate Dean and Principal have gathered and compiled a good amount of information about the splendid work carried out which deserves compliments. In the past, the College has brought laurels to the University at national Level. I hope that this informative document will be useful to planners, administrators, teachers and research workers to find the path in the future.

I wish all the best to the College for the success in all its future endeavours.

  
**(Ashok Dhawan)**  
Vice-Chancellor  
VNMKV, Parbhani



## Foreword



It is a great pleasure that the College of Agriculture, Latur is publishing Thirteenth Annual Report for the year 2019-20. Annual Report is a reflection and a documentation of the events of the past year. The progress and activities of the college during the year in the areas of teaching and manpower development, research and extension, are presented in the report. There has been drastic improvement in education; research and extension, which is reflected in placement of students in various private and public organizations. I wish that the efforts taken by the staff of the college in various fields will bring the college to the top of the ranking list of all SAU's.

I appreciate Prof.H.B.Patil, Associate Dean and Principal for gathering and compiling a good amount of information about the splendid work carried out which deserves compliments.

**(Dharmaraj Gokhale)**

Director of Instruction and Dean  
Faculty of Agriculture, VNMKV, Parbhani



## Preface



It gives me a great pleasure in presenting the salient achievements of the college in the form of its Thirteenth Annual Report for the year 2019-20. During this year efforts were made to meet the mandate of the college by carrying out various activities and programmes entrusted to the college through its acts and status.

Annual Report is a reflection and a documentation of the events of the past year. This report contains information about all round progress made by college during the year 2019-20. It has been observed during the past few years that the college activities concerning teaching, research and extension besides co-curricular and extracurricular activities are increasing with every passing year and the year 2019-20 is no exception. For the smooth functioning of an academic institution and scale new heights in the academic excellence a good support from university administration both financial and moral is necessary. On account of this I express my deep sense of gratitude to **Dr.A.S. Dhawan**, Hon.Vice-Chancellor, Vasantkrishi Mahavidyalaya, Latur for his keen interest and whole hearted support for overall development of the Education, Research and Extension activities of the college. I also profusely thank **Dr.D.N. Gokhale**, Director of Instruction and Dean, F/A, Vasantkrishi Mahavidyalaya, Latur for his valuable guidance and support for all round developments of the college.

The college has been continuing to offer UG and PG teaching programmes in Agriculture. Faculty members from every department have been given opportunities to undergo trainings in various agricultural universities and institutions of repute in country as a part of faculty improvement programme. I appreciate valuable achievement made by the faculty members supported by the technical, administrative and supporting staff of the college for fulfilling mandatory activities of the college. Besides this sincere efforts have been made to beautify college campus by massive tree plantation programme and other activities. The students of this college actively participated in various co-curricular activities like debate, cultural programme, sports etc. and won laurels to the college by winning prizes and medals.

I appreciate valuable support given by faculty members, technical and supporting staff of the college in fulfilling mandate and I appeal everyone to rededicate ourselves with renewed commitment and perseverance in the process of institution building.

I also take this opportunity to appreciate the excellent support service rendered by **Dr.R.D.Shelke**, Associate Professor of Agricultural Economics and Technical Officer in bringing out this publication in the present form.

Best wishes to all staff members and students of the college.

  
**(Hemant Patil)**  
Associate Dean & Principal  
College of Agriculture, Latur





# Executive Summary



## EXECUTIVE SUMMARY:

Latur is an educational hub. Number of primary, secondary and higher secondary schools and under graduate, post graduate colleges and technical institutes are involved in dissemination of information through education. College of Agriculture, Latur is a premier institute established in 1987. Since, then it is performing integrated functions of education, research and extension in agriculture and allied disciplines. Highly educated qualified teaching faculties, well equipped laboratories, planned farm structure, high-tech library etc. are the strengths of this college.

The B.Sc. (Agri.) is of four years degree programme . The students are admitted by central online admission system formulated by MCAER, Pune. Total 446 students for four years were admitted during the academic year 2019-20. Among them 42.60, 4.03, 12.78, 15.91, 5.38 and 22.19 per cent were girls, ICAR, SC, NT, ST and OBC students, respectively.

Rural work experience and experiential learning programme promote holistic higher agricultural education by blending knowledge, skill and attitude. During the academic year, 2019-20, the Eighteen villages from Latur, Renapur and Chakur Panchayat Samiti were adopted for this programme. One hundred and twenty three students of seventh semester were participated in this programme. The students were exposed to rural life and farming situations during six months stay in adopted villages. The experiential learning programme is being implemented for VIII semester students to make them successful entrepreneur in the area of the programme. Four experiential learning programmes viz., commercial broiler production, Mushroom production technology Commercial vegetable production and Commercial sericulture were implemented at College of Agriculture, Latur. Total One hundred twenty three students participated in these modules.

The M.Sc.(Agri.) is two years degree programme. This college offered PG programme in nine disciplines namely Agronomy, Agricultural Botany, Agricultural Entomology, Plant Pathology, Soil Science and Agricultural Chemistry, Agricultural Economics, Horticulture, Animal Husbandry and Dairy Science and Agricultural Extension Education. During 2019-20, total 211 students were admitted for above PG degree programme. Among them 31.75, 7.10, 11.37, 13.74, 5.68 and 21.32 per cent were girls, ICAR, SC, NT, ST and OBC students, respectively. One hundred two students were successfully submitted their theses on research as a partial fulfilment of PG programme.

The Placement Cell is established to support the students to cater the requirements of agriculture manpower for public and private sectors. The students of this college are excelling in various competitive exams viz., JRF/SRF, ARS, MPSC etc. The lectures are regularly organized for preparation of public service examinations, Campus interviews by various private companies are organized for the students. Number of students from this college became eligible to secure job in reputed institutes.

Library plays an important role in dissemination of knowledge and information to students, researchers, readers etc. The college library is providing dissemination facilities through 11298 books, 1066 research theses, reports, newspapers etc. and IT based services such as internet; data base, CD Rom, online e journals, ETAD etc.

Cultural activities like Ganesh festival, birth anniversaries of national leaders, patriots, social reformers were celebrated. Various functions like sports, 18 hours continuous study, talks etc. were organized on these occasions. Under National Service Scheme programmes like cleaning campaign, pre health checking for cancer, animal vaccination, social education programme etc. were organized during academic year.

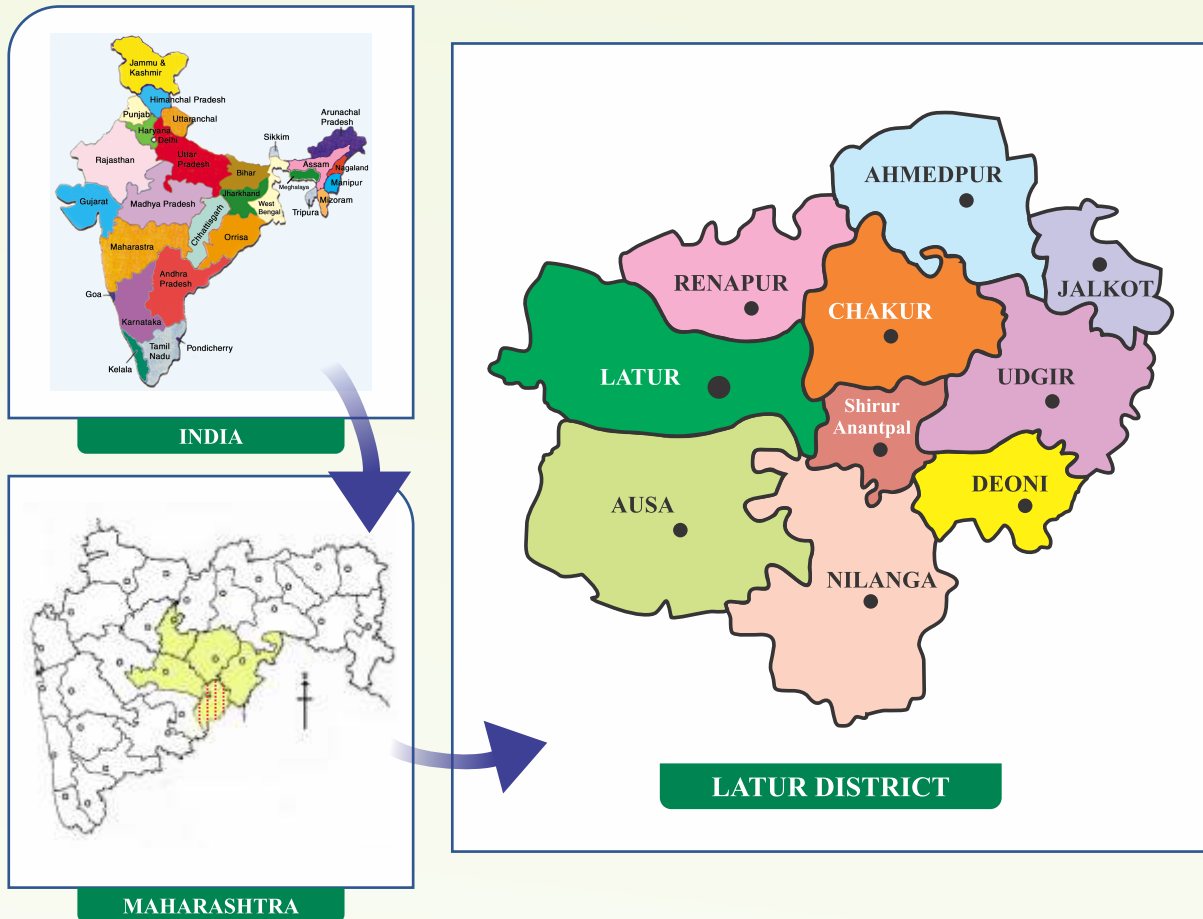
To encourage students hidden talent various cultural and sports events were organized on the occasion of Shri Chhatrapati Shivaji Maharaj Jayanti. Students were appreciated through the hands of dignitaries who achieved prizes in different events of cultural and sports at various places. Faculty members were also felicitated who get awards in different programmes.



# Preamble of Latur District, College Profile, Mandate & Milestones



## PREAMBLE OF LATUR DISTRICT



### Historical Background:

Latur city has a historical background. Earlier names of Latur in historical literature are Lattalur and Ratnapur. King 'Amoghvarsha' of Rashtrakutas developed this city, originally the native place of the Rashtrakutas.

Latur city has the famous 'Ganjgolai' as the central place of the city. The town planner Shri Faiyajuddin prepared the plan of 'Ganjgolai Chowk'. The main building of the Golai is a huge two-storeyed structure which was constructed around the year 1917. In middle of the circular structure, is the temple of Goddess Ambabai. There are 16 roads connecting to this Golai. On August 15, 1982, Latur was separated from Osmanabad and existed a separate Latur district.

### Geography:

The Latur District is situated in south-eastern part of the Maharashtra state and Latur town lies between the 18.7° latitude and 73.25° longitude. The district is situated on the Maharashtra Karnataka boundary. On the eastern side of the Latur is Bidar district of Karnataka, whereas Nanded is on the northeast, Parbhani is on the northern side, Beed is on the Northwest and



Osmanabad is on the western and southern side. The entire district of Latur is situated on the Balaghat plateau, 540 to 638 mtrs from the mean sea level.

**Rainfall:** The average annual rainfall is 801.04 mm. It begins from mid of June and ends by the last of October. This district experienced extreme drought during this year.

**Temperature:** The average minimum temperature is 11.9°C and maximum temperature is 38.9°C.

### **Demographic Profile:**

According to the 2011 census, the demographic features of Latur district are as below:

- Total Population : 24,54,196
- Total Male Population : 12,73,140
- Total Female Population : 11,81,056
- Sex Ratio : 928
- Urban Population : 6,25,083
- Rural Population : 18,29,113
- Percentage of Urban Population to total population : 25.47%
- Population density : 340 / sq.km
- Literacy Rate : 77.26%
- Male Literacy rate : 84.39%
- Female Literacy rate : 69.63%

### **Educational Background:**

Latur is one of the educationally advanced districts of the state. There are many educational and technical institutes. Recently, it has evolved as an education centre, primarily for secondary and higher secondary education. 'Latur Pattern' of education is the boon to educational reforms in the state.

### **Employment pattern**

The economy of Latur district is basically depending on agriculture. Hence, trade and commerce activities related to agriculture are the main sources of employment in the district. Government establishment, cooperative industries, private industries in MIDC and real estate development are also providing employment.

### **Trade**

The economy of Latur district is largely based on agriculture. The main crops grown are sugarcane, cereals, oilseeds, pulses and horticulture crops like mangos, grapes and pomegranate. Latur grain market serves as one of the important centres for agriculture commodities especially for oilseeds, pulses and cereals. Produce like grapes and deoiled cakes are also exported. Latur APMC



was established in 1931 and trade in agriculture is monitored through APMC. Agro - based Industries like dal mills and oil mills have impact in economy and trading of Latur.

### **College of Agriculture, Latur: At a glance**

The College of Agriculture, Latur was established in the year 1987 with a mandate to impart higher education of B.Sc. (Agriculture) degree to village level workers (VLW's) of Department of Agriculture working under T & V system with an intake capacity of 35 candidates. This college has been strengthened in 1989 with regular 10+2 pattern B.Sc. (Agriculture) programme of four years with an intake capacity of 64 students. Further, the intake capacity was increased upto 94 with the provision to admit XII (Science) passed in-service candidates on deputation.

The postgraduate programme leading to the M.Sc.(Agri) degrees in six disciplines namely Agronomy, Agricultural Botany, Agricultural Entomology, Plant Pathology, Soil Science and Agricultural Chemistry and Agricultural Economics was initiated with an intake capacity of six students in each discipline, during the academic year 2002-03. Further, PG programme was initiated in remaining four disciplines; viz., Horticulture, Animal Husbandry & Dairy Science, Agricultural Meteorology and Agricultural Extension Education during the academic year, 2005-06.

### **Mandates:**

The mandate of the college is to perform multifarious tasks of Education, Research and Extension in agriculture and allied disciplines

1. To impart education to the Under Graduate and Post Graduate students in various disciplines of agriculture.
2. To undertake need based and location specific research activities.
3. To disseminate research findings and latest knowledge of agriculture to the farmers.
4. To co-ordinate and act as a link between university and other line departments /agencies engaged in extension work.
5. Integrating and coordinating the teaching of the subjects in different faculties.
6. Coordinating agricultural education, research and extension education activities.

### **Milestones in Progress:**

1. 1987 : 3 + ½ years B.Sc. (Agriculture) degree Programme started for in service candidates of State Department of Agriculture, Government of Maharashtra
2. 1989 : 4 years B.Sc. (Agriculture) degree Programme started for fresh XII standard science passed students with an intake capacity of 64 students.
3. 2001 : Intake Capacity of 4 years B.Sc. (Agriculture) degree programme was increased from 64 students to 99 students



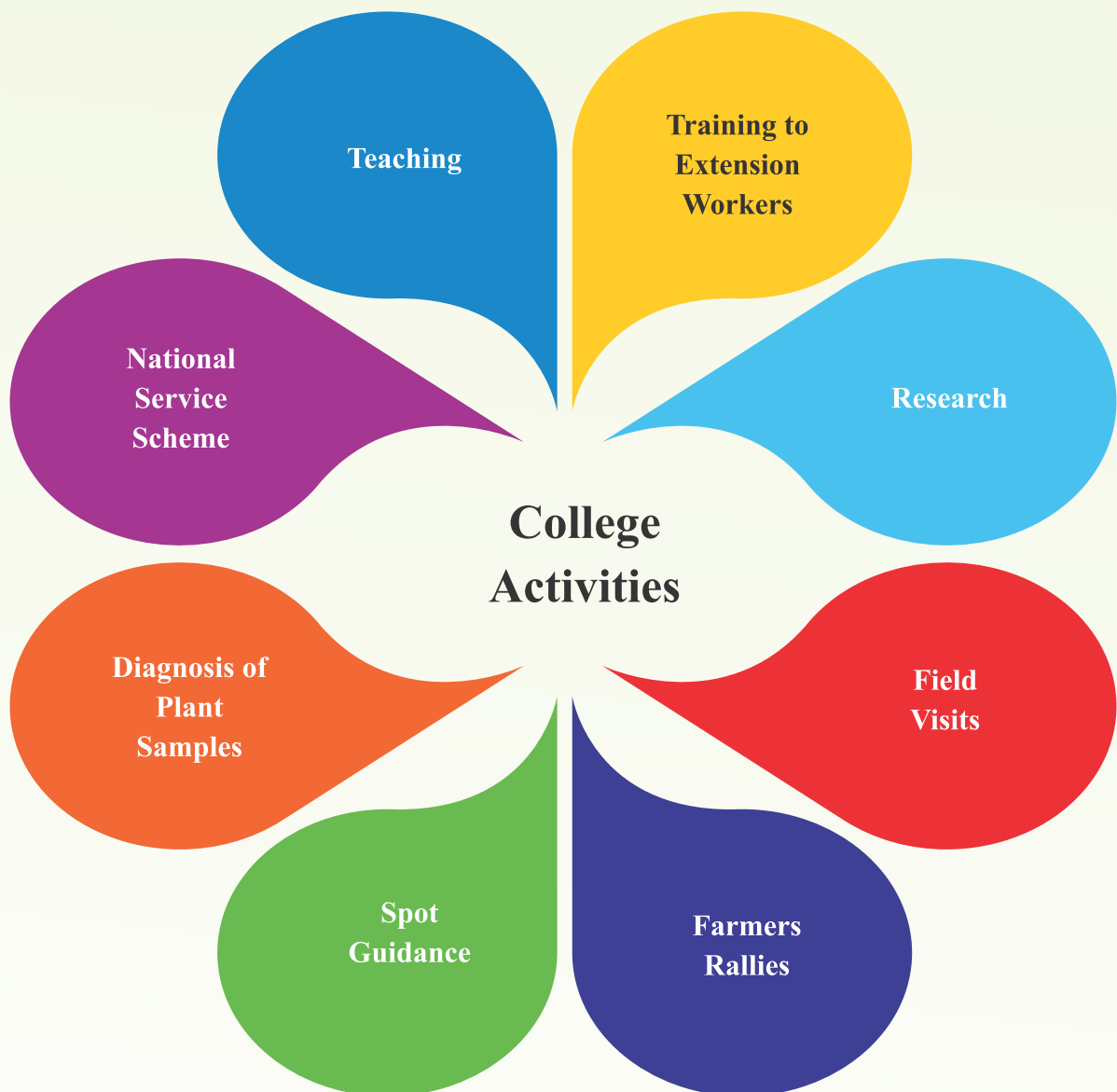
4. 2002 : Acquisition of Land admeasuring 65 ha. and 73 R.
5. 2002 : Post graduate programme leading to M.Sc. (Agriculture) was started in six subjects with an intake capacity of 6 students in each discipline. viz., Agrilcultural Botany, Agronomy, Agricultural Entomology, Plant Pathology, Soil Science & Agricultural Chemistry and Agricultural Economics.
6. 2005 : Post graduate programme leading to M.Sc. (Agriculture) was started in additional four subjects withan intake capacity of 6 students in each discipline. viz., Horticulture, Extension Education, Animal Husbandry & Dairy Sciences and Agricultural Meteorology.
7. 2009 : Intake capacity of M.Sc.(Agri) students was increased departmentwise from 6 to 12.

#### **Milestones in Infrastructure Facilities:**

Construction of Multipurpose Block	:	1990
Construction of New College Building	:	1996
1. Hostels		
A) Boys Hostel	:	1993
No. of Rooms: 86 Capacity	:	160 students
B) Girls Hostel	:	2005
No. of Rooms: 29 Capacity	:	80 students
C) Farmers Hostel	:	2007
No. of Rooms: 18 Capacity	:	54 students
2. Library Building	:	2007
3. Health Centre	:	2007
4. Animal Husbandry Shed	:	2007
5. Seed Processing Unit	:	2007
6. Examination Hall and Compound Wall	:	2007
7. Gymnasium	:	2009
8. Staff Quarters	:	2009
9. Scientists Home	:	2009
10. Auditorium	:	2013



## Activities of College of Agriculture, Latur







# Faculty & Departmental Strength



### Department-wise Faculty Positions at a glance :

The manpower available with the college includes academic staff, non-teaching staff supported by skilled and semi skilled workers.

### Staff Position during 2019-20

Sr. No.	Name of the post	Sanctioned posts	Filled posts	Vacant posts
1.	Associate Dean & Principal	1	1	0
2.	Professor	9	5	4
3.	Associate Professor	10	10	0
4.	Assistant Professor	35	12	23
5.	Extension Training Officer	1	1	0
6.	Hostel Superintendent	1	0	1
7.	Assistant Librarian	1	1	0
8.	Assistant Accounts Officer	1	0	1
9.	Senior Research Assistant	3	2	1
10.	Junior Research Assistant	2	1	1
11.	Section Officer	1	1	0
12.	Senior Clerk	3	2	1
13.	Laboratory Attendant	8	7	1
14.	Lab Boy	4	1	3
15.	Agricultural Assistant	4	3	1
16.	Driver	2	0	2
17.	Watchman	3	0	3
18.	Mali	2	2	0
19.	Peon	4	1	3
20.	Sweeper	1	1	0
21.	Labour	34	25	9
22.	Steno (Lower Grade)	1	0	1
23.	Electrician	1	0	1
24.	Compounder	1	0	1
25.	Library Assistant	2	0	2
26.	Junior Clerk	4	3	1
27.	Khansama	1	1	0
	<b>Total</b>	<b>140</b>	<b>80</b>	<b>60</b>

### Academic strength of faculty members / supporting staff:

Sr. No.	Name of the Staff	Designation of the Staff	Qualification
1.	Prof. H.B.Patil	Associate Dean & Principal	M.Sc.(Biochemistry)
<b>Department of Agronomy</b>			
2.	Dr.P.N.Karanjekar	Professor	M.Sc.(Agri.) Ph.D.
3.	Miss M.J.Patange	Assistant Professor	M.Sc.(Agri.)
4.	Dr.S.B. Kadam ###	Assistant Professor	M.Sc.(Agri.) Ph.D.
5.	Dr.K.K.Dakhore****	Assistant Professor	M.Sc.(Agri.) Ph.D.



<b>Department of Agricultural Botany</b>			
6.	Dr.V.N. Toprope	Associate Professor	M.Sc.(Agri.) Ph.D.
7.	Dr. P.B. Wadikar	Assistant Professor	M.Sc.(Agri.) Ph.D.
8.	Shri. S.P. Pole*	Assistant Professor	M.Sc.(Agri.)
<b>Department of Agricultural Economics</b>			
9.	Dr. R.D. Shelke	Associate Professor	M.Sc.(Agri.) Ph.D.
<b>Department of Agricultural Engineering</b>			
10.	Dr.R.G. Bhagyavant****	Associate Professor	M.Sc.(Agri.) Ph.D.
11.	Dr. R.V. Jayebhaye**	Associate Professor	M.Sc.(Agri.) Ph.D.
12.	Shri.B.B. Badgire	Associate Professor	M. Tech.
13.	Shri S.B.Jadhav	Assistant Professor	M. Tech.
14.	Dr.N.M.Tamboli	Assistant Professor	M.Sc.(Comp.) Ph.D.
<b>Department of Agricultural Entomology</b>			
15.	Dr.V.K. Bhamare	Associate Professor	M.Sc.(Agri.) Ph.D.
16.	Dr.D.G. More	Assistant Professor	M.Sc.(Agri.) Ph.D.
<b>Department of Extension Education</b>			
17.	Dr. V.B. Kamble	Professor	M.Sc.(Agri.) Ph.D.
18.	Dr. Mrs. J.M. Deshmukh	Associate Professor	M.Sc.(Agri.) Ph.D.
19.	Dr. D.D. Suradkar	Assistant Professor (E.T.O.)	M.Sc.(Agri.) Ph.D.
<b>Department of Animal Husbandry &amp; Dairy Science</b>			
20.	Dr.D.S.Chauhan****	Professor	M.Sc.(Agri.) Ph.D.
21.	Dr. P.V. Padghan	Associate Professor	M.Sc.(Agri.) Ph.D.
22.	Dr. A.T.Shinde**	Associate Professor	M.Sc.(Agri.) Ph.D.
<b>Department of Horticulture</b>			
23.	Dr. A.S. Kadam	Professor	M.Sc.(Agri.) Ph.D.
24.	Dr. V.S. Jagtap	Associate Professor	M.Sc.(Agri.) Ph.D.
<b>Department of Plant Pathology</b>			
25.	Dr.A.P.Suryawanshi*#	Professor	M.Sc.(Agri.) Ph.D.
26.	Dr. V.G. Mulekar	Associate Professor	M.Sc.(Agri.) Ph.D.
27.	Dr. S.J. Magar	Assistant Professor	M.Sc.(Agri.) Ph.D.
28.	Shri S.V.Waghmare*	Assistant Professor	M.Sc.(Agri.)
<b>Department of Soil Science and Agricultural Chemistry</b>			
29.	Dr. B.S. Indulkar	Professor	M.Sc.(Agri.) Ph.D.
30.	Dr. V.G.Takhankar	Associate Professor	M.Sc.(Agri.) Ph.D.
31.	Shri.P.B. Adsul*	Assistant Professor	M.Sc. (Agri.)
<b>Physical Education</b>			
32.	Dr. S.S. Shrangare**	Assistant Professor	MPed. Ph.D. NET
<b>Library Section</b>			
33.	Shri. B.G.Kamble	Assistant Librarian	M. Lib. M.Phil
<b>Account Section</b>			
	<b>Vacant</b>		
<b>Non Teaching Staff</b>			
34.	Shri. A.N. Puri*	Senior Research Assistant	M.Sc. (Agri.)
35.	Shri R.B.Parihar	Senior Research Assistant	M.Sc. (Agri.)
36.	Shri V.Y.Sawant	Junior Research Assistant	M.Sc. (Agri.)
37.	Mrs. M.U. Bhikane	Agricultural Assistant	M.Sc. (Agri.)
38.	Dr. P.R.Dadgale	Agricultural Assistant	M. Sc. (Agri.) Ph.D.
39.	Shri. D.V.More##	Agricultural Assistant	Agril. Diploma



40.	Shri P.L. Rathod	Agricultural Assistant	Agril. Diploma
41.	Shri R.H. Bhawale	Section Officer	M.Sc.
42.	Shri. N.R. Tarfe**	Assistant Section Officer	M.A.,M.S.W.
43.	Shri D.P.Chamnkar	Senior Clerk	M.Com.
44.	Shri. P.D. Jondhale	Senior Clerk	B.A.
45.	Shri. T. B. Gampale	Junior Clerk	B.A.
46.	Shri S. P. Swami	Junior Clerk	S.S.C.
47.	Shri. B.O. Agham	Junior Clerk	B.A.
48.	Mrs S.V.Sorekar#	Lab Attendent	H.S.C
49.	Shri V.D.Kadam	Lab Attendent	B.A.
50.	Shri D.G.Survase	Lab Attendent	H.S.C, Agri Diploma
51.	Shri Rohidas Kharate	Lab Attendent	H.S.C.
52.	Shr D.M.Chaudhari****	Lab Attendent	11 <sup>th</sup>
53.	Shri K.S.Panchal	Lab Attendent	H.S.C.,I.T.I.
54.	Shri D.D.Zunzure	Lab Attendent	S.S.C.,Agri Diploma
55.	Shri Sachin Suryawanshi	Lab Assistant	H.S.C.
56.	Shri. K.V. Jondhale	Peon	9 <sup>th</sup>
57.	Shri. S.P. Kamble	Plumber	I.T.I.
58.	Shri. D.Y. Mujawar	Observation Assistant	S.S.C.,
59.	Shri. S.S. Birajdar	Library Attendant	S.S.C.
60.	Shri. R.D. Aade	Milk Man	4 <sup>th</sup>
61.	Shri. Rangnath Gaikwad	Watchman	S.S.C.
62.	Shri. Rajesh Shinde	Gardener	M.A.,B.Ed.
63.	Shri D.U.Shinde	Gardener	H.S.C.
64.	Shri Digambar Dhage****	Khansama	9 <sup>th</sup>
65.	Mrs. Sugrabi Ahmad Shaikh	Sweeper	4 <sup>th</sup>

\* On study leave to pursue Ph.D. degree

\*\* On deputation at College of Agriculture, Latur

\*\*\*\* On deputation at College of Agriculture, Parbhani

# On deputation at VDBCOAB, Latur

## On deputation at PGIABM, Chakur, Dist. Latur

### On deputation at NARP, Aurangabad

\*# On deputation at MCAER, Pune



# Strengths & Achievement



### **Strengths of the College:**

- Experienced and qualified teaching staff.
- Well-equipped laboratories for conducting practical.
- Well-furnished classrooms for conducting theory classes.
- Well-furnished library with 11298 books, 25 computers internet facility and 51 CDROM, alongwith J Gate facility.
- Well-equipped computer laboratories with internet facility.
- Central Instrumentation Cell for analysis of soil, water and plants
- Dairy unit with different animal breeds
- Seed processing plant.
- Boys and girls hostels with accommodation capacity of 160 boys and 80 girls, respectively.
- Fruit orchards of Kesar Mango, Sapota, Guava and Anola.
- Aromatic and medicinal plant garden.
- Horticulture nursery having fruits, ornamental and floriculture plants.
- Seventeen farm ponds and one farm trench to harvest and conserve rainwater.
- Well-equipped Gymnasium building having latest equipments.
- Adequate sport grounds for out door sports.
- Well-constructed internal approach roads.
- “Eklavya” Study forum for UG & PG students
- ELP on Commercial Sericulture, Vegetable production, Broiler Production Technology and Mushroom Production Technology for VIII Semester students of UG degree programme.

### **Significant Achievements**

#### **Education:**

Since 1987, this college has been entrusted the responsibility to develop human resources which will educate and disseminate need based agricultural technologies to the farming community of the State. The human resources are being engaged to their fullest extent to cater agricultural education, research and extension in the State and Country

#### **Under Graduate Programme:**

The degree programme is of four years duration spread over 8 semesters. Four hundred forty six students were admitted during the academic year 2016-17 to 2019-20. Among the total students 190 were girl (42.60 cent) and 256 boys (57.39 %). Eighteen students from ICAR quota were also admitted.



### Students admitted for degree programme during 2016-17 to 2019-20

Year	Number of students admitted			ICAR/OS	Open	SC	NT	ST	OBC
	Boys	Girls	Total						
2016-17	59	44	103	01	38	14	19	07	24
2017-18	70	43	113	00	48	14	19	07	25
2018-19	61	48	109	02	46	17	16	04	24
2019-20	66	55	121	15	45	12	17	06	26
<b>Total</b>	<b>256</b>	<b>190</b>	<b>446</b>	<b>18</b>	<b>177</b>	<b>57</b>	<b>71</b>	<b>24</b>	<b>99</b>

### UG Orientation



### Scholarship:

Various scholarships were given to UG & PG students under following section heads through MAHADBT portal

Sr.No.	Scholarship Head	UG	PG
1.	G.O.I/ Freeship( All categories)	127	00
2.	EBC	26	00
3.	Central sector	37	00
4.	NTS	15	12
5.	Handicap	02	00
6.	Dr. Punjabrao Deshmukh	24	00
7.	Pandit Dindayal	00	06
8.	Swadhar	06	06
<b>Total beneficiary students</b>		<b>237</b>	<b>24</b>



## Students READY/ RAWE 2019-20

During the VII<sup>th</sup> semester of B.Sc.(Agri.) degree Programme the students are given in-depth knowledge about the principles and practices of agriculture through theory and practical in the field under rural situations. The orientation programme was organized in presence of Associate Dean & Principal, the chairman, Programme Coordinator, co-coordinator, PO, SMS & heads of concern sections. Bank officials, officials of concerned State Agriculture Department were invited during this orientation programme.

### Selection of Students READY/ RAWE centre

The college of Agriculture, Latur prepared list of 123 students eligible for the VIIth Sem. and the centres under its jurisdiction for allotment of students. The centres were ARS/COA/ATS, Latur and the students were distributed in these centres, from this centres students were placed within 25 to 50 km from the college.

RAWE programme/ Student READY- Latur district was selected, from this district (03) tahsils namely Latur, Renapur & Chakur were selected in the periphery mentioned in manual thus from this Tahsil total of 18 villages were selected and in each village 07-08 namely Algarwadi, Bothi, Halikhurd, Tiwatghal, Gharni, Bhatangali, Babhalgaon, Patharwadi, Chikalthana, Khulgapur, Samsapur, Mohnal, Govindnagar, Mahapur, Mohgaon, Ghansawargaon, Kasarkheda & Kadmul, students were allotted to work in cohesive a group.

The RAWE programme was initiated with orientation programme conducted at College of Agriculture, Latur in presence of Dr.B.M.Thombre, Associate Dean and Principal, College of Agriculture, Latur, Dr.M.K. Ghodke, Officer In-Charge, Oilseeds Research Station, Latur and Dr.V.S.Jagtap, Principal, ATS, Latur. The stipend of Rs. 3000/- per month was paid to each RAWE student.

### List of faculty members involved in RAWE programme

Sr.No.	Name of the Faculty member	Acted as for RAWE
1.	Dr. V.B.Kamble	Co-coordinator
2.	Dr.V.J.Takhankar	Programme Officer
3.	Dr.S.J.Magar	Programme Officer
4.	Dr.D.D.Suradkar	Programme Officer
5.	Dr. Y.M.Waghmare	SMS Agonomy
6.	Dr.R.V.Jayabhaye	SMS Agricultural Engineering
7.	Dr.A.T.Shinde	SMS Animal husbandry and Dairy science





8.	Dr. P.B.Wadikar	SMS Agricultural Botany
9.	Dr.R.D.Shelke	SMS Agricultural Economics
10.	Dr.D.G.More	SMS Agricultural Entomology
11.	Dr.D.D.Suradkar	SMS Agricultural Extension
12.	Dr. V. S. Jagtap	SMS Horticulture
13.	Dr.V.G.Mulekar	SMS Plant Pathology
14.	Prof.P.B.Adsul	SMS Soil Science & Agricultural Chemistry

- i. Dr.V.S.Jagtap acted as a Team Leader (D) for semester end evaluation of RAWE programme at College of Agriculture, Markhel, Naigaon, Kandhar, Udgir and Ambajogai.
- ii. Dr.D.G. More acted as University Representative for RAWE at College of Agriculture, Kandhar.
- iii. Dr.R.V.Jayebhaye acted as University Representative for RAWE programme at College of Agriculture, Udgir, Dist. Latur.
- iv. Prof.N.M. Tamboli, worked as a University Representative for RAWE programme at Agriculture College, Merkhel, Dist. Nanded.

### Extension Activities undertaken through RAWE Programme





### Demonstration on collection of soil sample

**Identifying quadrats**

**Reporting 5 specific quadrats**

**Collecting the soil sample in a clean bag with label**

### Demonstration on application of fertilizer to various Crops grown in kharif season

**Material taken**

**Measuring 100 g of fertilizer in a scale**

**Mixing the solution**

**Addition of solution to crops**

**Filling with measured quantity of water**

**Spraying the solution in field**

### Demonstration for application of neem seed extract spray-5%

**Preparation of neem**

**Grinding the neem seeds in a mill**

**Mixing the neem seed extract with water in a 1:10 ratio**

**Spraying the neem seed extract on the crops**

**Measuring 500 ml of neem seed extract**

**Measuring 10 liters of water**

### Demonstration on composting

**Collecting organic waste from the school and surrounding areas**

**Spreading the waste in a compost pit**

**Turning the compost**

**Covering the compost pit with a gunny bag**

**Monitoring the composting process**

**Using the compost in the field**

### Demonstration on azolla production

**Students in a pond**

**Students in a pond**

**Azolla**

**Azolla after 10 days**

### DEMONSTRATION OF FUNGICIDE SEED TREATMENT

**Material taken**

**Material Taken**

**Mixing with water**

**Addition of fungicide**

**Mixing with Seed**

**Spreading of Seed**

### DEMONSTRATION OF VACCINATION PROGRAMME

**Students receiving vaccination**

**Students receiving vaccination**

**Students receiving vaccination**

**Students receiving vaccination**

**Students receiving vaccination**

### VISIT TO THE FRUIT MARKET, LATUR

**Students at a fruit market**

**Students at a fruit market**

**Students at a fruit market**

**Students at a fruit market**

**Students at a fruit market**

### ORGANIZATION OF RABISHETKARI MELWA

**Students participating in a melwa**

**Students participating in a melwa**

**Students participating in a melwa**

**Students participating in a melwa**

**Students participating in a melwa**

### DEPENDANT GREEN INDIA - CLEAN INRA PROGRAM IN VILLAGE GOVINDNAGAR

**Students collecting garbage**

**Students collecting garbage**

**Students collecting garbage**

**Students collecting garbage**

**Adding into the dustbin**

### Visited to APMC, Latur

**Students at an APMC market**

**Students at an APMC market**

**Students at an APMC market**

**Students at an APMC market**

**Students at an APMC market**

### Visit to Nursery

**Students at a nursery**

**Students at a nursery**

**Students at a nursery**

**Students at a nursery**

**Students at a nursery**

### Visit to K.T. K. Latur

**Students at K.T. K. Latur**

**Students at K.T. K. Latur**

**Students at K.T. K. Latur**

**Students at K.T. K. Latur**

**Students at K.T. K. Latur**

### Visit to Dal mill

**Students at a dal mill**

**Students at a dal mill**

**Students at a dal mill**

**Students at a dal mill**

**Students at a dal mill**

### VISIT TO SUGAR FACTORY

**Students at a sugar factory**

**Students at a sugar factory**

**Students at a sugar factory**

**Students at a sugar factory**

**Students at a sugar factory**

### VISIT TO AGRO-DEALERS

**Students at agro-dealers**

**Students at agro-dealers**

**Students at agro-dealers**

**Students at agro-dealers**

**Students at agro-dealers**



### Experiential Learning Programme:

As per the recommendation of Fourth Deans' Committee, the Experiential Learning programme for VIII semester students of B. Sc.(Agri.) degree programme are being implemented in order to make them successful entrepreneur in areas of these programmes. Such four programmes like, Commercial Broiler Production, Mushroom Production Technology, Commercial Sericulture and Commercial Vegetable Production were implemented and total 76 students were admitted in these programme.

**Experiential Learning Programmes implimented during the academic year 2019-20 are as below.**

#### ELP-I

**Course No.** : AEL. ASDS-486 **Course Credits:** 20 (0+20)  
**Course Title** : Commercial Broiler production **Semester:** VIII (New)  
**Module In charge** : **Dr. A. T. Shinde**, Associate Professor  
**Dr. P.V.Padghan**, I/C Professor  
**No. of Students Admitted** : 22

The learning process essentially provides a direction to the students to think and act actually to gain self confidence. Experiential learning programme helps the students to create competence, capability, and capacity building skills, expertise in short holistic development.

The syllabus includes the collaboration of Animal Husbandry and Dairy Science, Agril. Economics and Agril. Extension Education department. The details of programme and topics covered are as under.

#### **ELP on Commercial Broiler production: (0+20):**

**A. Syllabus related to broiler production: (0+15):** In the course layout of this course includes orientation of poultry farming, selection of site for poultry unit, preparation of poultry shed, preparation of poultry litter, care of day old chicks, management of light and ventilation in poultry shed as per environmental condition, formulation of feed for broiler starter and finisher, judging, selection and culling of poultry birds, medication of birds through feed and water,



watering and feeding to birds and recording of it, identification of endo and ecto parasites, postmortem examination and identification of specific diseases and collection of diseases samples, recording of body weight, selection of fertile egg, maintaining the record for cost of rearing, grading of birds, vaccination in poultry, dressing of chicken, marketing of chicken and egg, disposal of poultry waste or preparation of farm yard manure and preparation of report.

(Course teachers: Dr. A. T. Shinde and Dr. P.V.Padghan)

**B. Economics of Broiler production: (0+3):** Economics of production and marketing of broiler, preparation of bank proposals, SWOT analysis, Indian poultry

(Course teacher: Dr.R.D. Shelke, Associate Professor, Department of Agril. Economics)

**C. Extension of Broiler Production: (0+2):** Awareness of broiler production, Report on Commercial Broiler production, report on poultry visit, Contract poultry farming.

(Course teacher: Dr. D.D.Suradkar, Assistant Professor, Department of Extension Education)

**D. Number of students registered for the module: 22** (Twenty Two)

**E. Visit of dignitaries to the ELP module on Commercial Broiler production:**

1. Dr.B.M. Thombre, Associate Dean & Principal, College of Agriculture, Latur visited on 06.01.2020.

2. Dr.R.C. Mahajan, Associate Professor, College of Agriculture, Osmanabad and Dean's nominee, for ELP module supervision at Latur visited on dated 20.02.20.

**F. Experience sharing:** Team work, work nature, and management skill are developed within students through different activities like Selection of site for poultry unit, preparation of poultry shed, preparation of poultry litter, care of day old chicks, management of light and ventilation in poultry shed as per environmental condition, formulation of feed for broiler starter and finisher, judging, selection and culling of poultry birds, medication of birds through feed and water, watering and feeding to birds and recording of it, identification of endo and ecto parasites, postmortem examination and identification of specific diseases and collection of diseases samples, recording of body weight, selection of fertile egg, maintaining the record for cost of rearing, grading of birds, vaccination in poultry, dressing of chicken, marketing of chicken and egg, disposal of poultry waste or preparation of farm yard manure and preparation of project report and working of self help group.





## **ELP -II**

<b>Course Title</b>	: Mushroom Production Technology
<b>Course No.</b>	: AEL. PATH-486
<b>ELP In charge</b>	: <b>Dr. S. J. Magar</b> , Assistant Professor of Plant Pathology
<b>No. of Students admitted</b>	: 29

The learning process essentially provides a direction to the students to think and act actually to gain self confidence. Experiential learning programme helps the students to create competence, capability, and capacity building skills, expertise in short holistic development.

The syllabus includes the collaboration of Plant Pathology, Agril. Entomology, Agril. Economics and Agril. Extension Education. The details of programme and topics covered are as under.

### **ELP on Mushroom Production Technology: (0+20):**

**A) Mushroom Pathology: (0+14):** Introduction to mushroom production techniques of various types of mushrooms, Nutritional and medicinal importance of mushroom, acquaintance with equipments and materials required for spawn production as well as mushroom production. Cultivation of oyster mushroom and its species on various substrates. Different methods of spawning and bed preparation, care and maintenance during spawn run period. Cropping and harvesting of mushroom, preservation of mushroom, recipes of mushrooms, post harvest management of mushroom, diseases of mushrooms, Yield and yield contributing characters of mushroom, utilisation of spent straw. etc. were studied.

(Course teacher: Dr.S.J. Magar)

**B) Mushroom Entomology: (0+2):** Introduction to pests of mushrooms, identification of insect pests of mushroom, pest management in mushroom house was studied.

(Course teacher: Dr. V.K. Bhamare)



**C) Mushroom Economics: (0+2):** Maintenance of records in mushroom house, economics of mushroom cultivation and preparation of bankable proposals of mushroom were studied. (Course teacher: Dr. R.D. Shelke)

**D) Mushroom Extension: (0+2):** Role of mushroom in rural socio cultural environment, importance of mushroom cultivation in up gradation of economically weaker sector of society, various methods of popularizing mushroom production technique in farmers as an additional source of income were studied. (Course teacher: Dr.D.D. Suradkar)

**E) Number of students registered for the module:** 29 (Twenty Nine)

**F) Visit of dignitaries to the ELP module on Mushroom production technology:**

1. Dr.B.M.Thombre, Associate Dean & Principal, College of Agriculture, Latur along with Dr.V.G. Mulekar, Dr.B.S. Indulkar, Dr.V.K. Bhamare, Dr.R.D. Shelke and Dr.D.D. Suradkar on 22 -01-2020.
2. Hon. Vice Chancellor, VNMKV, Parbhani, Dr.A.S.Dhawan, along with Dr.B.M.Thombre, Associate Dean & Principal, College of Agriculture, Latur, Prof.H.B. Patil, Associate Dean & Principal, Agril. Buisness Management, College, Chakur with Dr.V.G. Mulekar, Dr.B.S. Indulkar, Dr.A.S.Kadam visited module on 24-01-2020.

**Activities done:**

- Cleaning and washing of mushroom shed.
- Sterilization of mushroom shed with formalin and spirit.
- Cutting and overnight soaking of Soyabean straw.
- Mushroom bed filling.
- Mushroom bed filling Three times..
- Harvesting of mushroom.
- Subsequent harvestings of mushroom at weekly intervals.





### ELP III

**Course Title** : Commercial Sericulture  
**Course No.** : AEL. ENTO-486  
**ELP In charge** : **Dr. V.K.Bhamare**, Associate Professor of Entomology  
**No. of Students admitted** : 22





The ELP programme AEL ENTO-486 (0+20) commercial sericulture conducted with 22 students. The syllabus includes the collaboration of Agril. Entomology, Agril. Economics and Agril. Extension Education.

### ELP on commercial sericulture:

A small Sericulture Unit funded by ICAR New Delhi is established at the Department of Agricultural Entomology, College of Agriculture, Latur in order to conduct the practical classes of Experiential learning programme on commercial sericulture offered for under graduate students. The same unit is being used to conduct research work on different aspects of sericulture.

The variety of mulberry, V-1 is planted on one hectare area with the provision of drip irrigation system. In addition, four mulberry varieties viz., S-13, S-1365, S-6 and V-1 are also planted on an area of 0.5 ha. each for conducting the post graduate research work on different aspect of sericulture. The details of the mulberry plantation and silkworm rearing facility available are as under -

#### A. Sericulture laboratory facilities:

Sr. No.	Particulars	Size	Qty/No.
1.	Silkworm rearing racks	6x4x7ft (seven tiers)	04
2.	Iron rack stand	4.5x2x6 ft.(nine tiers)	01
3.	Wooden silkworm rearing trays	3'x2'x3"	20
4.	Plastic mountages	6'x4'	04
5	Silkworm rearing racks		10
6	Silkworm rearing racks		05

#### ELP IV

**Course Title** : Commercial Vegetable Production

**Course No.** : AEL. HORT-486

**Module In charge** : **Dr. V.S. Jagtap**, Associate Professor of Horticulture

**No. of Students admitted** : 22

The ELP programme AEL-486 (0+20) "Commercial Vegetable Production" conducted in summer semester 2019-20. The 22 students allotted to this department and the crops like spinach, methi, coriander, cabbage, potato, chukka and amaranths are cultivated in shed net houses. These crops harvested and sale in local market.





### **Discipline, Conduct and Anti Ragging Cell**

The College of Agriculture, Latur follows the rules and regulation as per the judgment of Hon'ble Supreme Court of India dated 08.05.2009 in Civil Applie No. 887/2009, the University Grants Commission has framed "UGC Regulation on clubbing the menace of ragging in higher education institution, 2009" which have been notified on 4<sup>th</sup> July, 2009 in the Gazette of India.

#### **The action taken as under:**

- Formulate the discipline and conduct committee and monitoring of college premises.
- Anti ragging cell has display the rules and regulation as well as helpline toll free no. 1800 180 5522 and E Mail: [helpline@antiragging.in](mailto:helpline@antiragging.in) collage premises as well as in hostels.
- Formulate the anti ragging committee at college level.
- Formulate the Anti-Ragging Vigilance Committee and Squad for weekly visit to boys and girls hostels and monitoring college premises.
- The student has instructed about anti ragging rules, regulation and punishment through advisor time to time.
- Fill up the online Anti Ragging Undertaking by the students and parents as well as on 100 rupees bond paper. This record maintained with advisor of individual student.



### PG Programme:

This college offers PG degree programme in 9 disciplines namely Agronomy, Animal husbandry and Dairy science, Agricultural Botany, Agricultural Economics, Agricultural Entomology, Extension Education, Horticulture, Plant Pathology and Soil Science and Agricultural Chemistry. The M.Sc. (Agri) degree programme is of two years duration spread over 4 semesters. The student has complete 50 credits, out of which 35 credits are of course work and 15 credits of research (thesis) work. Total 211 students admitted during the academic year 2018-19 & 2019-20.

### Students admitted for PG programme during 2018-19 and 2019-20.

Year	Number of students admitted			ICAR	Open	SC	NT	ST	OBC
	Boys	Girls	Total						
2018-19	74	30	104	02	43	11	17	06	25
2019-20	70	37	107	13	43	13	12	06	20
<b>Total</b>	<b>144</b>	<b>67</b>	<b>211</b>	<b>15</b>	<b>86</b>	<b>24</b>	<b>29</b>	<b>12</b>	<b>45</b>



**Discipline -wise research work conducted and dissertations submitted by M.Sc. (Agri.) students during 2019-20**

**1. Agronomy**

Sr. No.	Students Name	Title of the Thesis/Dissertation	Research Guide
1.	Bansode M.D.	Production constraints analysis of <i>kharif</i> French bean ( <i>Phaseolus vulgaris</i> L.) in vertisols.	Dr. V. P. Suryavanshi
2.	Byreddy K.Kumar Reddy	Effect of topping and fertilizer grades on growth, yield and quality of sesame ( <i>Sesamum indicum</i> L.)	Prof. N. K. Kalegore
3.	Chavan A.B.	Response of soybean ( <i>Glycine max</i> L.) genotype to different spacing in <i>kharif</i> season.	Dr. V. P. Suryavanshi
4.	Chavan K.A.	Integrated weed management in <i>kharif</i> French bean ( <i>Phaseolus vulgaris</i> L.)	Dr. V. P. Suryavanshi
5.	Dhodade Y. G.	Integrated weed management in sunflower ( <i>Helianthus annus</i> L.)	Prof. A. K. Ghotmukale
6.	Gore V.S.	Influence of different levels of pressmud compost and fertilizer grades on growth, yield and quality of Soybean ( <i>Glycine max</i> )	Prof. N. K. Kalegore
7.	Lande K.U.	Effect of different sources of phosphorus and sulphur on growth and yield of <i>kharif</i> Groundnut.	Prof. A. K. Ghotmukale
8.	Mane S.G.	Studies on growth, yield and quality of sesame ( <i>Sesamum indicum</i> L.) as influenced by chemical fertilizers and liquid biofertilizers.	Prof. B. N. Aglave
9.	Misal B.D.	Response of macro and micro nutrient priming on growth, yield and quality of Green gram.	Prof. B. N. Aglave
10.	Patil S.R.	Growth, yield and quality of French bean ( <i>Phaseolus vulgaris</i> L.) as influenced by different levels of phosphorus and sulphur.	Prof. N. K. Kalegore
11.	Waghmare S. S.	Effect of soil moisture conservation practices and planting pattern on growth, yield and quality of Niger ( <i>Guizotia abyssinica</i> L. Cass)	Prof. N. K. Kalegore
12.	Wakchaure B. M.	Studies on nutrient management in Linseed ( <i>Linum usitatissimum</i> L.) under irrigated condition.	Dr. P. N. Karanjikar

**2. Animal Husbandry and Dairy science**

Sr. No.	Students Name	Title of the Thesis/Dissertation	Research Guide
<b>Animal Husbandry</b>			
1.	Madavi H. J.	Combined Effect of Drumstick ( <i>Moringa Olifera</i> ) and Lemon Grass ( <i>Cymbopogon Citratus</i> ) on Growth Performance of Broilers	Dr. R. A. Patil
2.	Meshram P.B.	Effect of Drumstick ( <i>Moringa Olifera</i> ) Leaf Meal as a Natural Feed Additive on Growth Performance of Broilers	Dr. R. A. Patil
3.	Pandit D. M.	Present Scenario of Bullock Animal Power Utilization in Hingoli District	Dr. R. A. Patil



4.	Parade A. K.	Effect of Lemongrass Leaf Meal ( <i>Cymbopogon Citratus</i> ) as a Natural Feed Additive on Growth Performance of Broilers	Dr. B. M. Thombre
5.	Tidke U.T.	Effect of Environmental Parameters on Milk Quality and Quantity of Deoni Cattle	Dr. D. S. Chavan
6.	Uikey V. S.	Environmental Effect on Milk Quantity and Quality of Holdeo Cattle	Dr. D. S. Chavan
<b>Dairy Science</b>			
7.	Andurkar N.N.	Preparation of <i>Shrikhand</i> using Tulsi ( <i>Ocimum Sanctum</i> ) Leaves Extract	Dr. A. T. Shinde
8.	Bhandage B.B.	Preparation Of <i>Shrikhand</i> using Kiwi Fruit ( <i>Actinidia Deliciosa</i> ) Pulp	Prof. K. R. Chavan
9.	Chavan P. B.	Studies on Development of Jamun- <i>Shrikhand</i> by using Jamun ( <i>Syzygium Cumini L.</i> ) Pulp	Dr. P. V. Padghan
10.	Deshmukh A.P.	Utilisation of Rose Petal Powder for Preparation of <i>Shrikhand</i>	Dr. P. V. Padghan
11.	Mhetre S. R.	Preparation of Gulkand Flavoured Milk	Prof.B.C.Andhare
12.	Patil S. B.	Preparation of <i>Shrikhand</i> using Pineapple Fruit ( <i>Ananus Cosmous</i> ) Pulp	Dr. P. V. Padghan

### 3. Agricultural Botany

Sr. No.	Students Name	Title of the Thesis/Dissertation	Research Guide
1.	Ailwar B.P.	Heterosis and combining ability in Sunflower ( <i>Helianthus annuus L.</i> )	Dr. M. K. Ghodke
2.	Atlawar S.S.	Studies on genetic variability, correlation coefficient and path analysis in Niger ( <i>Guizotia abyssinica</i> ).	Dr. V.N. Toprope
3.	Bharat G.B.	Genetic analysis studies in Maize ( <i>Zea mays L.</i> )	Dr. P.B. Wadikar
4.	Chavan M.V.	Stability analysis for yield and yield contributing characters in Groundnut ( <i>Arachis hypogaea L.</i> )	Dr. M.V. Dhuppe
5.	Varma D.R.	Assesment of genetic variability for yield and yield contributing traits in Mesta ( <i>Hibiscus spp.</i> )	Dr. A.M. Misal
6.	Dhare S.L.	Genetic analysis of seed yield and it's component traits in Safflower ( <i>Carthamus tinctorius L.</i> ) using line x tester system	Dr. P.B. Wadikar
7.	Karande P.H.	Combining ability and heterosis studies in Sunflower ( <i>Helianthus annuus L.</i> )	Dr. M. K. Ghodke
8.	Magar M.R.	Genetic architecture for seed yield and it's contributing traits in Cowpea ( <i>Vigna unguiculata L.</i> )	Dr. P.B. Wadikar
9.	Mane A.A.	Assesment of genetic parameters for yield and physio-chemical characters of Chickpea ( <i>Cicer arietinum L.</i> ) under different environments	Dr. V.N. Toprope
10.	Rathod P.S.	Genetic analysis studies in three way cross hybrids in Sunflower ( <i>Helianthus annuus L.</i> )	Dr. M. K. Ghodke
11.	Sonawane S.J.	Heterosis and combining ability analysis in Sesame ( <i>Sesamum indicum L.</i> )	Dr. P.B. Wadikar
12.	Thorat G.S.	Genetic analysis in Chickpea ( <i>Cicer arietinum L.</i> )	Dr. V.N. Toprope



#### 4. Agricultural Economics

Sr. No.	Students Name	Title of the Thesis/Dissertation	Research Guide
1.	Awchar A.A.	Economic Appraisal of Agricultural Development in Parbhani District of Maharashtra	Dr. K.V. Deshmukh
2.	Bhong M.S.	Economics of production and marketing of Ber in Solapur District of Maharashtra	Dr.S.R. Nagargoje
3.	Bodakhe G.M.	Study of yield gap analysis of Sugarcane crop in Ahmednager District of Maharashtra	Dr.S.S. More
4.	Dhurve S.R.	Economic analysis of production and marketing of paddy in Chandrapur District	Dr.R.D. Shelke
5.	Gawade P.V.	Economics of production and marketing of Strawberry in Satara District of Maharashtra	Dr.R.V. Chavan
6.	Ingle A.B.	Economic analysis and Impact Assessment of Dry land Technologies for <i>Rabi</i> Sorghum in Marathwada region	Dr.D.S. Perke
7.	Jain A.B.	Economics analysis of production and marketing of <i>Kharif</i> Maize in Solapur District of Maharashtra	Dr.R.D. Shelke
8.	Kharat A.A.	Economic Appraisal of Agricultural Development in Jalna District of Maharashtra	Dr.K.V. Deshmukh
9.	Sayyad A.A.	Economics of production of cotton in Parbhani District of Maharashtra	Dr.D.S. Perke
10.	Mahindrakar S.M.	Economic production of pigeonpea in Osmanabad district of Marathwada region	Dr.S.S. More

#### 5. Agricultural Entomology

Sr. No.	Students Name	Title of the Thesis/Dissertation	Research Guide
1.	Desai R. U.	Monitoring of insecticidal resistance in <i>Leucinodes orbonalis</i> (Guenee) infesting brinjal	Dr. V.K. Bhamare
2.	Deshmukh K.V.	Biology and life-fecundity of pink bollworm <i>Pectinophora gossypiella</i> (Saunders) on cotton at different temperature levels	Dr. V.K. Bhamare
3.	Ingale A. S.	Management of sucking insect-pests infesting sunflower	Dr. D.S. Mutkule
4.	Ingale D.G.	Survival and development of bollworms and expression of Cry toxins on different <i>Bt</i> cotton hybrids	Dr. V.K. Bhamare
5.	Kamble A. U.	Effect of different bed disinfectants on life-cycle and economic traits of bivoltine mulberry silkworm ( <i>Bombyx mori</i> . L.)	Dr. P.K. Nalwandikar
6.	Kuyate M.S.	Biology and parasitic efficiency of <i>Trichogrammatoidea bactrae</i> Nagaraja on eggs of different bollworms	Dr. V.K. Bhamare
7.	Patwari A.B.	Management of sucking insect-pests infesting groundnut	Dr. D.S. Mutkule
8.	Pise A.G.	Detection of insecticidal resistance in <i>Amrasca biguttula biguttula</i> (Ishida) infesting brinjal	Dr. V.K. Bhamare



9.	Shelke S.H.	Field life-tables and population dynamics of insect-pests of tomato intercropped with coriander	Dr. V.K. Bhamare
10.	Suryakamble R.B.	Effect of microbial food additives on biology and economic traits of bivoltine mulberry silkworm ( <i>Bombyx mori</i> . L.)	Dr. P.K. Nalwandikar

## 6. Agricultural Engineering

Sr. No.	Student Name	Title of the Thesis/Dissertation	Research Guide
1.	Rameshwar J.G.	Development of Kharodi Making Extruder	Dr.R.V.Jaybhaye

## 7. Agricultural Extension Education

Sr. No.	Students Name	Title of the Thesis/Dissertation	Research Guide
1.	Bhosale G.S.	Crop Loan Borrowing Behaviour Of Farmers	Dr.J.M.Deshmukh
2.	Dhawale S.P.	Attitude Of Farmers Towards Sustainable Agricultural Practices	Dr.J.M.Deshmukh
3.	Gaikwad D.S.	Evaluation Of Experiential Learning Programme Implemented By Vasantao Naik Marathwada Krishi Vidyapeeth	Dr. V.B. Kamble
4.	Gawali M.B.	Opinion And Utilization Of Mobile Based Agro-Advisory Services By Farmers	Dr. D.D. Suradkar
5.	Gayki G.D.	Attitude Of Rural Youth Towards <i>Jalyukta Shivar Abhiyan</i>	Dr.V.B. Kamble
6.	Ghughe B.Y.	Adoption Of Integrated Pest Management For Controlling Pink Bollworm By Bt Cotton Growers	Dr.J.M.Deshmukh
7.	Kanhadkar B. R.	Impact of Bdn-711 On Its Beneficiaries.	Dr.V.B. Kamble
8.	Mundhe.S.D	Farmer's Perception About Climate Change In Marathwada Region.	Dr. D.D. Suradkar
9.	Shinde M.B	Utility Perception Of Kvk Kisan Mobile Advisory Service (Kmas) Perceived By User	Dr. D.D. Suradkar
10.	Shinde P. T.	Utilization Behaviour Of <i>Krishi Dainandini</i> By Readers	Dr.D.D. Suradkar
11.	Zade P. S.	Entrepreneurial Attitude Of Agricultural Students	Dr. J. M. Deshmukh

## 8. Horticulture

Sr. No.	Students Name	Title of the Thesis/Dissertation	Research Guide
	<b>Fruit Science</b>		
1.	Bidve S. R.	Effect of different chemicals on flowering, yield and quality of custard apple ( <i>Annona squamosa</i> L.) Dharur-6	Dr. G. R. Munde
2.	Chavan M. T.	Effect of levels of N, P, K on growth, yield and quality of guava ( <i>Psidium guajava</i> L.) under high density planting	Dr. A. S. Kadam
3.	Ghatul I. D.	Effect of different levels of pruning on growth, yield and quality of pomegranate ( <i>Punica granatum</i> L.) cv. Super Bhagwa	Dr. V. S. Jagtap



4.	Padekar V. D.	Effect of organic manure on growth, yield and quality of pomegranate ( <i>Punica granatum</i> L.)	Dr. A. S. Kadam
5.	Solanke A. A.	Effect of different nitrogenous fertilizers on growth, yield and quality of custard apple ( <i>Annona squamosa</i> L.)	Dr. A. S. Kadam
<b>Vegetable Science</b>			
1.	Ban S. J.	Variability studies in pea ( <i>Pisum sativum</i> L.)	Dr. V. S. Jagtap
2.	Bhusnar A. D.	Genetic studies of F <sub>3</sub> and F <sub>4</sub> generation in ridge gourd ( <i>Luffia acutangula</i> L.)	Dr. V. S. Jagtap
3.	Chaudhari S. P.	Genetic studies of F <sub>3</sub> and F <sub>4</sub> generation in bitter gourd ( <i>Momordica charantia</i> L.)	Dr. V. S. Jagtap
4.	Ghorpade S. B.	Heterosis breeding and combining ability in bottle gourd ( <i>Lagigenaria siceraria</i> )	Dr. V. S. Jagtap
5.	Kale T. S.	Generation mean analysis in chilli ( <i>Capsicum annum</i> L.)	Dr. V. S. Jagtap
6.	Jadhav A. D.	Effect of growth retardant on flowering, fruit setting and yield of Okra cv PBN-OK-1 ( <i>Ablamonchus esculentus</i> L)	Dr. G. R. Munde

## 9. Plant Pathology

Sr. No.	Students Name	Title of the Thesis/Dissertation	Research Guide
1.	Bagul V. K.	Studies on compatibility of <i>Pseudomonas fluorescens</i> with agrochemicals.	Dr. S.J. Magar
2.	Bhosale A.R.	Studies on compatability of Phosphate and Potassium solubilizing bacteria with agrochemicals.	Dr. V.G. Mulekar
3.	Dethe G. P.	Studies on pigeon pea sterility Mosaic disease.	Dr. S.J. Magar
4.	Dhavale R.A.	Post harvest management of fruit rot in banana caused by <i>Colletotrichum spp.</i>	Dr. V.G. Mulekar
5.	Jadhvar J. B.	Management of damping off of tomato seedling caused by <i>Pythium apanidermatum</i> by seed priming	Dr. S.J. Magar
6.	Jaiswal K. L.	Biosynthesis of silver nanoparticles (AgNPs) by using <i>Trichoderma spp.</i> and its efficacy against soilborne plant pathogens of tomato.	Dr. S.J. Magar
7.	Kadam P. N.	Management on bacterial wilt of chilli caused by <i>Ralstonia solanacearum</i> (Smith) Yabuuchi.	Dr. V.G. Mulekar
8.	Khilare P. R.	Studies on detection and management of seed mycoflora of pigeonpea.	Dr. S.J. Magar
9.	Patange A.S.	Management on chickpea collar rot caused by <i>Sclerotium rolfsii</i> .	Dr. S.J. Magar
10.	Sanap S. B.	Management on wilt of tomato caused by <i>Fusarium oxysporum f. sp. lycopersici</i> .	Dr. V.G. Mulekar
11.	Shinde P. A.	Studies on little leaf of brinjal caused by Phytoplasma.	Dr. S.J. Magar



## 10. Soil Science and Agricultural Chemistry

Sr. No.	Students Name	Title of the Thesis/Dissertation	Research Guide
1.	Borkar M. S.	Effect of foliar application of organic products on growth, nutrient uptake and yield of okra	Dr V.G. Takankhar
2.	Deshmukh A. V.	Effect of foliar nutrition on leaf reddening of Bt cotton under rainfed condition	Dr P. H. Vaidya
3.	Deshpande P. S.	Effect of levels of fertilizer and biofertilizer on growth, nutrient uptake and quality of cowpea in Inceptisol	Dr B S Indulkar
4.	Jadhav M. B.	Management of organic and inorganic fertilizers on growth, nutrient uptake, yield and quality of sweet corn	Dr. B S Indulkar
5.	Landge R. B.	Effect of phosphorus and sulphur levels on growth, nutrient uptake, yield and quality of blackgram	Dr. B. S. Indulkar
6.	Lilhare M. A.	Influence of graded fertilizer levels and zinc on growth, nutrient uptake, yield and quality of sesame in Inceptisol	Dr. B S Indulkar
7.	Narute R. M.	Influence of organic and inorganic fertilizer on growth, nutrient uptake, yield and quality of chilli in Inceptisol	Dr. P H Vaidya
8.	Nawkhare A. D.	Assessment of soil quality of Babhalgaon village of Latur district for soil health and land resource management by using remote sensing and GIS techniques	Dr. P H Vaidya
9.	Sutar A. U.	Effect of foliar application of vermiwash, compost tea and panchagavya on growth, yield and quality of soybean	Dr. P H Vaidya
10.	Thale L. R.	Characterization and classification of pomegranate growing soils of Latur district	Dr. P H Vaidya
11.	Thosar G. D.	Effect of potassium and zinc application on growth, nutrient uptake, yield and quality of sunflower in Inceptisol	Dr. B S Indulkar
12.	Titirmare N. S.	Characterization, classification of red soils for land use planning from Hasegaonwadi of Latur district	Dr. V G Takankhar





## Department -wise seminars delivered by M.Sc. (Agri.) students during 2019-20

### 1. Agronomy

Sr. No.	Name of the student	Title of the Seminar
1.	Bansode M.D.	Production constraints analysis of <i>kharif</i> French bean ( <i>Phaseolus vulgaris</i> L.) in vertisols.
2.	Byreddy K.Kumar Reddy	Effect of topping and fertilizer grades on growth, yield and quality of sesame ( <i>Sesamum indicum</i> L.)
3.	Chavan A.B.	Response of soybean ( <i>Glycine max</i> L.) genotype to different spacing in <i>kharif</i> season.
4.	Chavan K.A.	Integrated weed management in <i>kharif</i> French bean ( <i>Phaseolus vulgaris</i> L.)
5.	Dhodade Y. G.	Integrated weed management in sunflower ( <i>Helianthus annus</i> L.)
6.	Gore V.S.	Influence of different levels of pressmud compost and fertilizer grades on growth, yield and quality of Soybean ( <i>Glycine max</i> )
7.	Lande K.U.	Effect of different sources of phosphorus and sulphur on growth and yield of <i>kharif</i> Groundnut.
8.	Mane S.G.	Studies on growth, yield and quality of sesame ( <i>Sesamum indicum</i> L.) as influenced by chemical fertilizers and liquid biofertilizers.
9.	Misal B.D.	Response of macro and micro nutrient priming on growth, yield and quality of Green gram.
10.	Patil S.R.	Growth, yield and quality of French bean ( <i>Phaseolus vulgaris</i> L.) as influenced by different levels of phosphorus and sulphur.
11.	Waghmare S. S.	Effect of soil moisture conservation practices and planting pattern on growth, yield and quality of Niger ( <i>Guizotia abyssinica</i> L. Cass)
12.	Wakchaure B. M.	Studies on nutrient management in Linseed ( <i>Linum usitatissimum</i> L.) under irrigated condition.
13.	Shaikh W.C. (Ph.D. student)	Polymer coated fertilizers as an advance technique in nutrient management

### 2. Animal Husbandry and Dairy Science

Sr. No.	Name of the student	Title of the Seminar
1.	More N. M.	Recent advance in management practices for improvement of egg, milk and meat production
2.	Patil D. A.	Commercial dairy farms and Its Planning
3.	Puram P. N.	Poultry Industry Challenges
4.	Tingare G. B.	Rastriya Gokul Mission (RGM)
5.	Udmale A.B.	Livestock Development Programme Maharashtra and Government of India
6.	Ambhore S. S.	Validation of new dairy foods
7.	Andhare Patil P.S.	Interaction and Impact of processing on milk ingredients in milk and milk products.
8.	Jamdar K. S.	Approches for maintain and enhance biodunctionlity of milk ingredients



9.	Khobragade S. P.	Impacts of herbs on milk products
10.	Sarnaik P.D.	To study the biofunctional behaviour of milk ingredients

### 3. Agricultural Botany

Sr. No.	Name of the student	Title of the Seminar
1.	Gawali R.G.	Genetic analysis in Sesame
2.	Ghodekar V.G.	Sunflower wild species n crop improvement
3.	Godade L.P.	Role of transgressive segregation in crop improvement
4.	Kamble K. W.	Stability analysis for yield improvement in Groundnut
5.	Patil S.H.	Genetic analysis in Pearl millet
6.	Rathod V.L.	Role of inheritance in crop improvement
7.	Shinde R.J.	Genetic analysis in Cowpea
8.	Talape A. R.	Genetic architecture improvement in Cowpea
9.	Tathe R. G.	Genetic analysis for Sunflower improvement
10.	Tavadare P. L.	Conventional approaches for genetic improvement in Sesame
11.	Waghmode S. L.	Genetic improvement in Safflower with Biometrical Techniques

### 4. Agricultural Economics

Sr. No.	Name of the student	Title of the Seminar
1.	Chavan J. P.	Export performance of Agricultural Commodities from India
2.	Chavan V.S.	Pradhan mantra Krishi Sinchayee Yojna
3.	Gade P.A.	Export performance of Chilli from India
4.	Jadhav S.L.	Indian dairy industry-present status and future prospects
5.	Nalegaonkar A.R.	Export performance of Onion from India
6.	Rahane A. S.	Pradhan mantra kisan Samman Nidhi
7.	Sawant S. L.	Integrated farming system
8.	Shinde S.E.	E-Agribusiness/Digital Marketing in India
9.	Thombre V.S.	Livestock Economy in India

### 5. Agricultural Entomology

Sr. No.	Name of the student	Title of the Seminar
1.	Bankar D. R.	Biology of <i>Spodoptera frugiperda</i> (J.E. Smith)
2.	Bharadwaj G. S.	Chemical management of <i>Spodoptera frugiperda</i> (J.E. Smith)
3.	Dane A. V.	Role of various nutrients on <i>Bombyx mori</i> L.
4.	Dhormare A.P.	Integrated pest management of pigeonpea
5.	Ghodke S.S.	Integrated pest management of soybean
6.	Hajare P.B.	Key mortality factors of <i>Spodoptera frugiperda</i> (J.E. Smith)
7.	Jadhav A. S.	Integrated pest management of oilseed crops
8.	Mahajan R. S.	Biological management of <i>Spodoptera frugiperda</i> (J.E. Smith)
9.	Mane N.B.	Role of Juvenile Hormones in sericulture
10.	More A.S.	Integrated pest management of <i>Pectinophora gossypiella</i> Saunders
11.	Thakre B.A.	Public sector <i>Bt</i> cotton hybrids and pest management
12.	Waykule P. K.	Honeybees: Oilseed crop production



## 6. Agricultural Extension Education

Sr. No.	Name of the student	Title of the Seminar
1.	Birajdar A. S.	Ecological fate of chemical used in Agriculture
2.	Gaikwad S. R.	Doubling farmers income : Strategies and Policies
3.	Gayakwad S. N.	Safety measures for pesticide application in grape
4.	Jadhav A. K.	Education in tribal area: Issues and Challenges
5.	Jadhav H. S.	Zero budget natural farming—the sustainable revolution
6.	Kanade S.V.	Climate smart agriculture: Need of present era
7.	Kumbhar A. K.	Pradhan Mantri Fasal Bima Yojana-One Nation One Scheme
8.	Patil Y. S.	Educational empowerment of rural women
9.	Samrit V. B.	Rural youth and their aspirations
10.	Sherkhane B. D.	Export potentials of vegetables in India
11.	Tupsoundare R. G.	Smart phone technology: A boon for farmers

## 7. Horticulture

Sr. No.	Name of the student	Title of the Seminar
<b>Fruit Science</b>		
1.	Bidve S. R.	Quality Improvement in custard apple
2.	Chavan M. T.	Nutrient management in high density orchard
3.	Ghatul I. D.	Canopy management: a tool for quality improvement of fruits.
4.	Padekar V. D.	Recent trends in organic fruit culture.
5.	Solanke A. A.	Nutrient management in arid fruits.
<b>Vegetable Science</b>		
1.	Ban S. J.	Improvement in leguminous vegetable crops
2.	Bhusnar A. D.	Segregation studies in ridge gourd
3.	Chaudhari S. P.	Nutritive value for under exploited vegetable production
4.	Gajbhiye A.S.	Utility of organic growth promoters in vegetable production
5.	Ghorpade S. B.	Recent techniques in vegetable propagation
6.	Kale T. S.	Present status and prospects for export of vegetables.

## 8. Plant Pathology

Sr. No.	Name of the student	Title of the Seminar
1.	Bade R. B.	<i>Sclerotium rolfsii</i> : It's Biology, Ecology and Integrated disease management.
2.	Banne S. N.	Diseases of cutflower crops and their management under protected cultivation.
3.	Brahmankar R.G.	Conventional and advanced techniques of detection and diagnosis of seed-borne pathogen in oilseed crops.
4.	Desale K.B.	Pigeon pea sterility mosaic- Biology, Epidemiology and Integrated disease management



5.	Fatale Y.R.	<i>Fusarium</i> wilt of solanaceous vegetable crops: Diversity, Ecology and Integrated disease management.
6.	Kadam S.S.	Endophyte as potential biocontrol agent.
7.	Kamble S.M.	Epidemiology of sesame phyllody and management by the date of sowing.
8.	Kolhe D.B.	Post harvest fruit rot diseases and eco friendly management strategy.
9.	Mali P.B.	Role of Nanoparticles/ Nanochemicals in crop disease management
10.	Sahane P. A.	Potential bacterial biocontrol agents and their role in plant disease management
11.	Shinde A. S.	Post harvest fruit rots of tropical crops and their integrated management.
12.	Udar V. B.	Damping off diseases of oilseed crops: Ecology, Biology and Integrated disease management.

#### 9. Soil Science & Agricultural Chemistry

Sr No	Name of the student	Title of the Seminar
1.	Adode A. V.	Effect of foliar application of micronutrients on vegetable crops
2.	Bankar S. S.	Effect of organic formulations on growth, nutrient uptake, yield and quality of vegetables
3.	Bharadkar K. S.	Interactive effect of phosphate solubilising microorganisms and phosphorus levels on growth, nutrient uptake and yield of pulses.
4.	Ghodke P. M.	Effect of sulphur and zinc levels on growth, soil nutrient dynamics, yield and quality of oilseed crops
5.	Lingayat N. R.	Effect of silicon on growth, yield and nutrient uptake on cereal crops
6.	Mane L. D.	Effect of humic acid on growth, nutrient content, yield and quality of oilseed crops.
7.	Munjwar G. B.	Effect of humic acid on growth, yield and quality of pulses
8.	Netwate S. E.	Effect of application of sulphur and boron on growth, yield, quality and uptake of nutrients
9.	Sarda D.A.	Impact of long term fertilizer application on soil quality and productivity
10.	Shriva A. S.	Advances on remote sensing, GIS and Drone Techniques in Agriculture
11.	Thite T. S.	Effect of nitrogen and zinc levels on growth, soil nutrient dynamics, yield and quality of cereals
12.	Waghmode B. G.	Effect of PSM and P levels on growth, uptake, yield and quality of oilseed crops.



## **AGRESCO AND JOINT AGRESCO RESEARCH:**

Research activities conducted at College of Agriculture, Latur were presented in respective sessions of AGRESCO and Joint AGRESCO meetings.

## **Placement Cell and Competitive Examination:**

The Placement Cell is established to encourage the students and to develop manpower for public and private sectors. The students of this college are excelling in various entrance and competitive exams viz., JRF/SRF, ARS, MPSC etc. The lectures are regularly organized for preparation of public service examinations, Campus interviews by various private companies are organized for the students.

## **LIBRARY**

### **Intorduction:**

In this age of fast developing information technology, a well developed library with information services is the basic necessity of any educational institution. The library of College of Agriculture, Latur is not an exception to this. It has played a vital role in uplifting and maintaining the educational standard of this College by providing feedback of required information to the educationalists, researchers, academic staff and students of this college through its multifarious services. At present this library successfully caters to the information needs of the academic community of this College. This library is growing day by day with the continuous growth of this College.

### **Mission:**

The mission of the library is to provide fast access to information resources and services that meet the information needs of the users; like students, teachers, researchers, extension workers, administrative and technical staff of the College.

### **Objectives:**

1. To provide the library and information services to students, teachers, researchers, extension workers and farmers.
2. To increase the library collection.
3. To increase the use of agricultural information sources.
4. To process and to disseminate information with modern information and communication technology
5. To cooperate with other agricultural university libraries for resource sharing

### **Organizational Structure of Library:**

Library is located in the center of College of Agriculture, Latur campus



### Organization:

The Librarian's prime duty is to organize, manage and sustain library services. In order to serve readers effectively, the library is further organized in to functional sections as below.

- Acquisition section
- Periodical and reference section
- Circulation section
- Current information service section
- Technical – processing section
- Reprographic section

### Teaching Work Load (P.G.)

Course No.	Title	Non-Credits	PG	Total work load
PGS-501	Library and Information Services	0+1	--	02

### Library Collection

#### Books

Reference Books	:	1000
Text Books	:	10298
Total Book	:	11298
Daily News Papers	:	07
Reports	:	50
Journals	:	45 (Discontinued)
Thesis	:	1066

### Library Membership:

Presently library services are arranged to user's of following categories.

### Students and staff Members:

Sr. No.	Categories	Users
1.	Under Graduate	303
2.	Post Graduate	218
3.	Teachers, Researchers & Administrative staff	40
<b>Total Users</b>		<b>561</b>



### **Library Building:**

The college library has been shifted to its new building in May 2007. The building is having length of 100 feet and width of 50 feet. The carpet area of Reading Room is about 1500Sq. Ft. The building has a capacity of stacking twenty five thousand volumes and can accommodate 100 readers at a time.

### **Library Service Strength:**

From the security point of view of the library. CCTV system has been installed in the library with 8 cameras.

### **Computerized Library Service:**

The service like circulation, cataloging (OPAC), periodicals service, are computerized. The Library Management software KOHA is used operationally of all Services.

### **Availability of computers and internet facility:**

Provide facility of Internet on 15 Computers. Speed of internet is 8 Mbps through leased line (OFC). Internet service is available for members of the library

### **Databases: The following databases are available in Library**

#### **(A) Offline databases**

1. CABI Abstract
2. Academic search premier (Full text)
3. Agrieconomics
4. Thesis CD
5. Training Programme CD
6. Agris
7. Agricola

#### **(B) Online databases :**

1. CeRA ( jgateplus.com)
2. Openj-gate.com
3. Krishiprabha
4. Krishikosh
5. Agristat.

### **Service hours:**

Library is kept open for 7.30 hrs a day from 09.00 AM to 04.45 PM on all the working days. Reading Hall is kept open for 17 hrs a day from 6.00AM to 11.00 PM on all days.



### **Book bank scheme:**

The Book Bank facility is started from last 10 years for the SC, ST, and NT students of this college. Two or three textbooks are issued for the one semester.

### **Specific request:**

To cope up with modern world, the library should have sufficient Literature procured from National and an international resource, Unfortunately the Library does not have any journals due to non-allotment of separate grants fund. Library resources increasing day by day so expansion of the library building is essential. It is therefore requested support financially for purchasing e-resources and modern furniture along with technical staff and infrastructure facilities.



### **Computer laboratory:**

Well equipped modern computer laboratory has been established for conducting the practical classes of UG and PG programme. Total 48 students can use the computers at a time in the laboratory. All computers are connected through LAN with Internet facility provided by BSNL through lease line having bandwidth of 8 mbps (will be upgraded to 18mbps from 2020-2021). This facility is also provided to all departments of College of Agriculture, Latur & Library.

**Establishment of Language Lab software:** This software is installed on PC's in the Modern Computer Laboratory wherein all the students can access and learn English and other foreign languages.





## FARM SECTION:

### Details of holding:

1. Total area of the farm : 65.73 ha.
2. Area under cultivation : 48 ha. 25 R
3. Area under building, roads and Nala etc. : 26.99 ha.

### Staff Position:

1. Farm Superintendent : 01
2. Dairy Manager : 01
3. Garden Superintendent : 01

### Irrigation facilities:

1. Well : 2 Nos.
2. Tube well : 6 Nos.
3. Farm pond : 14 Nos.

### Central Instrumentation Cell (CIC):

The central Instrumentation Cell at this college has been fully equipped with sophisticated instruments being used for the chemical analysis of soil, water and plant samples of students of M.Sc. (Agri.) and farmers.

### Analytical work carried out in Central Instrumentation Cell:

Sr. No.	Name of Instrument	Parameters	Numbers of samples analyzed by students during 1 Apr. 2019 to 31 Mar. 2020
1	Electrical Conductivity Meter	Electrical conductivity	663
2	pH Meter	pH	727
3	Atomic Absorption Spectrophotometer	Iron, Manganese, Zinc Copper	230
4	Flame Photometer	Potassium, Sodium	654
5	UV Spectrophotometer	Phosphorus, Sulphur, Boron	358
6	Nitrogen Analyzer	Nitrogen	852
7	Distillery	Distilled water, Double distilled water	1500 liter
8	Microwave digestion	Iron, Manganese, Zinc Copper	341





### Gymkhana Activities:

### Celebration of Anniversaries of great National Leaders during Year 2019-20:

S.N.	Date	Day	Event Celebrated
1	11.04.2019	Thursday	Mahatma Jyotiba Phule Birth Anniversary
2	14.04.2019	Sunday	Dr. Babasaheb Ambedkar Birth Anniversary
3	30.04.2019	Tuesday	Rashtrasant Tukdoji Maharaj Jayanti
4	07.05.2019	Tuesday	Mahatma Basweshwar Birth Anniversary
5	21.05.2019	Tuesday	Rajiv Gandhi Smrati Din as anti-Terrorism & Non-Violence day
6	28.05.2019	Tuesday	Swatantravir Sawarkar Jayanti
7	31.05.2019	Friday	Ahilyadevi Holkar Jayanti
8	06.06.2019	Thursday	Maharana Pratap Singh Birth Anniversary
9	26.06.2019	Wednesday	Rajashree Shahu Maharaj Birth Anniversary
10	01.07.2019	Saturday	Vasant Rao Naik Birth Anniversary
11	23.07.2019	Tuesday	Lokmanya Bal Gangadhar Tilak Birth Anniversary
12	01.08.2019	Thursday	Shahir Annabhau Sathe Birth Anniversary
13	03.08.2019	Saturday	Kranti Singh Nana Patil Birth Anniversary
14	20.08.2019	Tuesday	Rajiv Gandhi birth anniversary as Sadbhavana Din
15	07.09.2019	Saturday	Raje Umaji Naik Jayanti
16	18.09.2019	Wednesday	Vidyapeeth Vardhan Day
17	25.09.2019	Wednesday	Pandit Dindayal Upadhyay Jayanti-Antoday Yojana
18	28.09.2019	Saturday	Mahiti Adhikar Day
19	02.10.2019	Wednesday	Lal Bahadur Shastri & Mahatma Gandhiji Birth Anniversary
20	13.10.2019	Sunday	Maharshi Walmiki Birth Anniversary
21	15.10.2019	Tuesday	Dr. A.P.J. Abdul Kalam Jayanti
22	16.10.2019	Wednesday	World Food Day
23	18.10.2019	Friday	Biotechnology Day
24	31.10.2019	Thursday	Shrimati Indira Gandhi Smrati Din (Rastriya Sankalpa Din)
25	31.10.2019	Tuesday	Sardar Vallabhai Birth Anniversary and National Ekta Day
26	14.11.2019	Thursday	Pandit Nehru Jayanti
27	15.11.2019	Friday	Birs Munda Jayanti
28	19.11.2019	Tuesday	Shrimati Indira Gandhi Birth Anniversary (Rastriya Ekatmata Din)
29	26.11.2019	Tuesday	Sanvidhan Day
30	08.12.2019	Sunday	Sant Jagnade Maharaj Jayanti



## Cultural Programme:

The college campus has Auditorium having capacity of 600 students for organization of various cultural activities. The various cultural activities are run through the Gymkhana, College of Agriculture, Latur for UG and PG students. Gymkhana fund is governed through students under the control of Vice President Gymkhana. The expenditure of various cultural activities are made from this fund. A separate gymkhana committee is formulated to encourage the students in order to participate in various cultural activities various cultural activities was undertaken as under.

1. International Yoga Day celebrated on 21 June, 2020 in College of Agriculture, Latur.
2. On the occasion of Mahatma Jyotiba Phule Jayanti and Dr. Babasaheb Ambedkar jayanti continuous 18 hr study programme was organized in library college of Agriculture Latur campus.
3. On the occasion of Dr. Babasaheb Ambedkar jayanti celebrated in College campus on date 14-04-2020.
4. On the occasion of 140<sup>th</sup> Shivaji Maharaj Jayanti, sports and cultural week was organized during 12-19 February, 2020.
5. In this week, different sports competition like cricket, volley ball, kho-kho, badminton, kabaddi, chess was conducted.
6. One cricket competition was organized for staff of College of Agriculture, Latur vs. staff of VD College of Agricultural Biotechnology and Oilseed Research Station, Latur.
7. The cultural events elocution, solo dance, group dance and rangoli competition was organized.
8. College of Agriculture, Latur organized International women's day on 8<sup>th</sup> March, 2020.
9. Various International, National day celebration and birth and death anniversary was celebrated as per Government circular No JPUTI/ 2217/ /257/29 dated 29/12/2017.

## Dr. Babasaheb Ambedkar Jayanti programme





### Shri Chatrapati Shivaji Maharaj Jayanti Programme





**Different Cultural and Sports Events on the occasion of Shri Chatrapati Shivaji Maharaj Jayanti**





### Achievements in Cultural Programme organised on Shivjayanti

Event	Name of students	Rank
Individual dance	Samir Shaikh	I
	Renuka Londhe	II
Duet	Nikita Tilgame and Bharti	I
	Samrudhi Vangaskar and Vaishnavi Shinde	II
Elocation	Samrudhi Vangaskar	I
	Onkar Pise and Ajinkya pawar(Prize divided)	II
Group Dance	Samrudhi Vangaskar and group	I
	Renuka Mahajan and group	II
Rangoli	Rohit Karde	I
	Shubanghi Waghmare	II



## International yoga day



## Annual Sports Report 2020

Sports have been an integral part of College of Agriculture, Latur for years. Keeping up the tradition, this year too, student of College of Agriculture, Latur has participated in Intercollegiate Tournament in Various event such as VolleyBall, Kho-Kho, Kabaddi, HandBall, Organised by Student Welfare Officer, VNMKV, Parbhani. The following are some of the sports achievements by our students during the academic year 2019-20

- Intercollegiate Table Tennis Tournament Women **Winner**, Held at **College of Agriculture Georai, Tanda, Aurangbad**
- Intercollegiate VolleyBall Tournament Women **Winner**, Held at **Student Welfare Officer, VNMKV, Parbhani**
- Intercollegiate Kabaddi Tournament Women **Runner**, Held at **Student Welfare Officer, VNMKV, Parbhani**

## Inter University Participation Players

Sr. No.	Name	Reg. No.	Game
1	Shinde Arjun Shankar	2018AGLT95	Kabaddi
2	Jadhav Narsinha Vilas	2016AGLT104	Basketball
3	Kalyankar Rushikesh Marotirao	2016AGLT48	Basketball
4	Surewade Shrinivas Sahebrao	2016AGLT090	Handball
5	Lawand Dhawalsingh Vinodrao	2017AGLT053	Handball
6	Ashmika Khandu Bhalerao	2017AGLT010	Vollyball
7	Kanure Pratiksha Suresh	2017AGLT044	Vollyball
8	Gajarwad Sakshi Balaji	2018AGLT028	Vollyball
9	Khot Pratiksha Dilip	2018AGLT048	Vollyball
10	Devare Arti Dadarao	2016 AGLT023	Kabaddi



Sports activities are an integral part of student's career. Our students are enthusiastic sportsmen with zeal and ambition to give their best performance. Therefore College gives them best platform to show their skills by organizing sports week. In this week we organize inter class sports competition of Cricket, Volleyball, Kho-kho, Kabaddi, Chess, Badminton, Handball and different cultural events. Following are the result of sports week.



### **National Service Scheme:**

During the academic year, 2019-20 total numbers of volunteers registered for NSS regular and special camp programme are 100 & 50, respectively. Dr.D.D. Suradkar working as Programme Officer and other faculty members supporting NSS for various activities. The details of NSS activities carried out under regular and special campaign programme are given below.

### **Regular Programmes:**

1. Intellectual enlightenment programme on disaster management was arranged and technical guidance given to NSS volunteers.
2. Grass, Parthenium eradication, Training, Pruning of trees campaign was arranged in college campus in order to emancipate Parthenium weed & cleaning the College campus.
3. Tree plantation programme was run on college premises in which Kadu Nimb, Citrus, Karanj and other various tree plants were planted on road sites of college campus.
4. The NSS volunteers were actively participated in Swachh Bharat Mission programme, "Clean India Green India" campaign , organized Blood donation camp & various activities of college like celebration of Late Vasant Rao Naik Jayanti (Krishi Din). Independence day, NSS day, organization of Farmers Rabi Melawa, Celebration of Marathi Bhasha Din (Pandharwada) and National days etc.
5. The cleaning campaign and irrigation to tree plants work was done by NSS volunteers.
6. Campus clearing campaign was organized in which 100 NSS volunteers and staff member actively participated.
7. The NSS volunteers were actively participated & helped for organized the Farmers Rabi Melawa and sports activities in college campus. Cleaning campaign and irrigation to tree plants work will done by NSS volunteer.





### Special Campaign Activities:

The NSS special camp will be postponed due to Covid 19 Lockdown.

2019-20			
A) Regular Programmes:			
1)	Grass, Parthenium eradication, Training, Pruning of trees campaign was arranged in college campus in order to emancipate Parthenium weed & cleaning the College campus.	100	College campus cleaned, healthy. Motivated and mentored the students towards cleanness and training and pruning of tree.
2)	Tree plantation programme was run on college premises in which Kadu Nimb, Citrus, Karanj and other various tree plants were planted on road sites of college campus.	100	The motto or watchword of the NSS Volunteer is: 'NOT ME BUT YOU'. Was enhanced through plantation.
3)	The NSS volunteers were actively participated in Swachh Bharat Mission programme, "Clean India Green India" campaign, organized Blood donation camp & various activities of college like celebration of Late Vasant Rao Naik Jayanti (Krishi Din). Independence day, NSS day, organization of Farmers Rabi Melawa, Celebration of Marathi Bhasha Din (Pandharwada) and National days etc.	100	It underlines that the welfare of an individual is ultimately dependent on the welfare of society on the whole or community specially Farmers.
<b>B) Special Camp Activities:</b> The NSS special camp will be postponed due to Covid 19 Lockdown.			

### Photos of Special Activities:

#### A. Tree Plantation and Swachha Bharat Abhiyan





# Other Information



### Participation in Summer/Winter school/Training/Workshop/Meeting at various National Institute/ Universities:

Sr. No.	Name of Faculty Member	Theme	Organizer
1	B.B. Badgire	Data Sciences from 23 – 27 Sept.2019	CTAE, MPUAT, Udaipur
2	P. V. Padghan	Winter school on Technological Advances in Functional Food Ingredients and Validation of their Claim from 6-26 Dec., 2020.	National Dairy Research Institute, Karnal,(Haryana)
3	P. B. Wadikar	Biotic and Abiotic stress tolerance in plants under changing climatic conditions. Aug. 06 to Aug.26, 2019	Punjab Agril. University, Ludhiana (Punjab) & ICAR (New Delhi)

### Research papers published in reputed Journals during 2019-20

Sr. No	Name (s) of authors	Title of the research paper	Name of the Journal (Vol. No. & issue No.)	ISSN No.	NAAS rating
1	S.R.Parve, R.D. Shelke and S.H.Kamble	To study resource productivity and resource use efficiency in crop and dairy enterprise	<i>Bulletin Of Environment, Pharmacology And Life Science</i> , 8(7),142-145	ISSN 2277-1808	4.95
2	S.R. Dhurve and R.D. Shelke and D.U.Meshram	Cost, Returns And Profitability Of Paddy Production In Chandrapur District Of Maharashtra	<i>Bulletin Of Environment, Pharmacology And Life Science</i> , 8(8),81-84	ISSN 2277-1808	4.95
3	R.D.Shelke, A.B. Jain and D.U. Meshram	Price Spread of Kharif Maize In Solapur District of Maharashtra	<i>Bulletin Of Environment, Pharmacology And Life Science</i> , 8(8),85-89	ISSN 2277-1808	4.95
4	K.V.Deshmukh, A.A.Awchar and R.D.Shelke	Study of growth rate in area, Production and productivity of different Crops in Parbhani district of Maharashtra	<i>Bulletin Of Environment, Pharmacology And Life Science</i> , 8(9),62-64	ISSN 2277-1808	4.95
5	A.A.Kharat, K.V.Deshmukh, R.D.Shelke	Growth action of land utilization pattern in Jalna district of Maharashtra state	<i>Bulletin Of Environment, Pharmacology And Life Science</i> , 8(9),65-68	ISSN 2277-1808	4.95
6	A.A.Awchar, K.V.Deshmukh, and R.D. Shelke	Growth action of land utilization pattern in Parbhani district of Maharashtra	<i>International Journal Of Current Microbiology And Applied Sciences</i> . 8(5):1839-1844	ISSN 2319-7706	5.38
7	A.B.Jain, R.D. Shelke and D.U.Meshram	Cost, returns and profitability of Kharif Maize in Solapur district of Maharashtra, India	<i>International Journal Of Current Microbiology And Applied Sciences</i> . 8(5):1845-1849	ISSN 2319-7706	5.38



8	R.D.Shelke, S.R.Dhurve and D.U. Meshram	Price spread of paddy in Chandrapur district of Maharashtra, India	<i>International Journal Of Current Microbiology And Applied Sciences.</i> 8(5):1850-1856	ISSN 2319-7706	5.38
9	A.A.Kharat, K.V.Deshmukh and R.D. Shelke	Growth pattern of land utilization pattern in Jalna district of Maharashtra, India	<i>International Journal Of Current Microbiology And Applied Sciences.</i> 8(5):1857-1862	ISSN 2319-7706	5.38
10	M.S.Bhong, S.R.Nagargoje and R.D. Shelke	Cost, returns and profitability of ber production in Solapur district of Maharashtra, India	<i>International Journal Of Current Microbiology And Applied Sciences.</i> 8(5):2464-67	ISSN 2319-7706	5.38
11	G.M.Bodakhe, S.S.More and R.D.Shelke	Socio-economic characteristic and profitability of sugarcane cultivation in Ahmednagar district of Maharashtra, India	<i>International Journal Of Current Microbiology And Applied Sciences.</i> 8(7):552-564	ISSN 2319-7706	5.38
12	T.S.Swami, J.L.Katkade and R.D.Shelke	Economic analysis of marketing of pigeonpea in Latur district of Maharashtra, India	<i>International Journal Of Current Microbiology And Applied Sciences.</i> 8(9):62-67	ISSN 2319-7706	5.38
13	Padghan PV, Bimlesh Mann, Shilpa Vij, Rajesh Kumar and Anilkumar	Screening of lactobacillus cultures for their use in enhancing the biofunctional activities of fermented milk products	<i>International Journal of Chemical Studies</i> 2019; 7(2): 788-791	P-ISSN: 2349-8528	5.31
14	Shingare JD, Padghan PV and YN Patil	Studies on standardization the process for <i>dahi</i> preparation by using the proper proportion of milk and wheatgrass extract	<i>International Journal of Chemical Studies</i> 2019; 7(1): 2442-2446	P-ISSN: 2349-8528	5.31
15	Shingare JD, Padghan PV and BM Thombre	Studies on physico-chemical properties of <i>dahi</i> prepared with buffalo milk blended raw/pasteurized wheat grass extract	<i>Journal of Pharmacognosy and Phytochemistry</i> 2019; 8(1): 2691-2694	E-ISSN: 2278-4136 P-ISSN: 2349-8234	5.21
16	SB Patil, PV Padghan and YN Patil	Consequence of pineapple ( <i>ananas cosmous</i> ) pulp on physico-chemical and sensory properties of <i>shrikhand</i>	<i>International Journal of Chemical Studies</i> 2019; 7(5): 2462-2466	P-ISSN: 2349-8528	5.31
17	Shingare J.D., Padghan P. V., Patil Y. N.	Studies on Effect of Wheat Grass Extract with Buffalo Milk for <i>Dahi</i> Preparation for Microbial Profile of Herbal <i>Dahi</i>	<i>Advances in Bioresearch</i> , Volume 10 Issue 2; March,2019; Page No. 95-98	ISSN: 0976-4585	4.77



18	Shinde SR, Patil RA and Padghan PV	Effect of spirulina supplementation on growth performance of broilers	<i>Journal of Pharmacognosy and Phytochemistry</i> 2018; SP1: 3265-3267	E-ISSN: 2278-4136 P-ISSN: 2349-8234	5.21
19	Sonule GP, More DG, Bokan SC	Seasonal incidence of major insect pests on soybean and their correlation with abiotic weather factors	<i>International Journal of Entomology Research</i> , Volume 4; Issue 1; January 2019; Page No. 84-87	ISSN: 2455-4758;	Imp. Factor : RJIF 5.24
20	B.M. Wakchaure, P.N.Karanjekar and V.C.Gore	Studies on nutrient management in Linseed ( <i>Linum usitatissimum</i> L.) under irrigated condition	<i>Trends in Biosciences</i> 2019 12 (11):769	0974-8431	3.94
21	Takankhar V.G., Titirmare N.S., Karanjekar P.N, Borkar M.S. and Bankar S.S.	Categorization of red soils from Hasegaonwadi for its micronutrient status	<i>International Journal of Chemical Studies</i> 2019, 7(5): 1095-1098	2349-8528	5.31
22	Titirmare N. S., Takankhar V. G., Indulkar B. S. , Lilhare M. A. and Thosar B. D.	Micronutrient status categorization of red soils from Hasegaonwadi of Latur District	<i>International Journal Chemical Studies</i> , 7 (5): 1099-1103	2349-8528	5.31
23	Titirmare N. S., Takankhar V. G., Vaidya P. H., Navkhare A. D. and Landge R. B..	Macronutrient status categorization of red soils from Hasegaonwadi of Latur District	<i>International Journal Chemical Studies</i> , 7 (5): 1104-1108	2349-8528	5.31
24	P.B. Wadikar, M.R. Magar and S.L. Dhare	Combining ability and gene action studies for yield and yield contributing traits in Linseed ( <i>Linum usitatissimum</i> L.)	<i>Bull. Env. Pharmacol. Life Sci.</i> , 8(7) 2019: 18-22.	2277-1808	4.95
25	P.B. Wadikar, M.R. Magar, S.J. Sonawane and S.L. Dhare	Genetic architecture for seed yield and its contributing traits in Cowpea ( <i>Vigna unguiculata</i> L. Walp)	<i>Int. J. Curr. Microbiol. App. Sci.</i> , 8(09) 2019: 1850-1857.	2319-7706	5.38
26	S.L. Dhare, P.B. Wadikar, M.R. Magar and S.J. Sonawane	Investigation on genetic analysis of Safflower ( <i>Carthamus tinctorius</i> L.) genotypes using RAPD molecular markers.	<i>Int. J. Curr. Microbiol. App. Sci.</i> , 8(09) 2019: 1919-1927.	2319-7706	5.38
27	T.A. Chavan, P.B. Wadikar, B.R. Chavan and G.H. Naik	Genetic variability study in segregating generations of Okra ( <i>Abelmoschus esculentus</i> L.)	<i>Int. J. Curr. Microbiol. App. Sci.</i> , 8(09) 2019: 2270-2275.	2319-7706	5.38



28	S.J. Sonawane, P.B. Wadikar, M.R. Magar and S.L. Dhare	Combining ability and gene action in Sesame ( <i>Sesamum indicum</i> L.) elite genotypes by half diallel mating design.	<i>Int. J. Curr. Microbiol. App. Sci.</i> , 8(09) 2019: 2747-2754.	2319-7706	5.38
29	S.V. Phatak and V.K. Bhamare	Life-tables of <i>Aproaerema modicella</i> Deventer on soybean and soybean intercropped with pigeonpea	<i>Indian Journal of Entomology</i> , 2019; 81 (2): 255-260	P-ISSN: 0367-8288 E-ISSN: 0974-8172	5.89
30	MB Sanjekar, PK Nalwandikar and VK Bhamare	Biometric studies of <i>Corcyra cephalonica</i> (Stainton) at different temperature levels	<i>International Journal of Chemical Studies</i> 2019; 7(6): 337-342	P-ISSN: 2349-8528 E-ISSN: 2321-4902	5.31
31	MB Sanjekar, PK Nalwandikar and VK Bhamare	Biology of <i>Corcyra cephalonica</i> (Stainton) at different temperature levels	<i>International Journal of Chemical Studies</i> 2019; 7(5): 3140-3144	P-ISSN: 2349-8528 E-ISSN: 2321-4902	5.31
32	PH Surapwar, PK Nalwandikar, VK Bhamare and YM Waghmare	Effect of different bed disinfectants on economic traits of double hybrid mulberry silkworm ( <i>Bombyx mori</i> L.)	<i>International Journal of Chemical Studies</i> 2019; 7(5): 1855-1858	P-ISSN: 2349-8528 E-ISSN: 2321-4902	5.31
33	PH Surapwar, PK Nalwandikar, VK Bhamare and YM Waghmare	Effect of different bed disinfectants on life-cycle of double hybrid mulberry silkworm ( <i>Bombyx mori</i> L.)	<i>International Journal of Chemical Studies</i> 2019; 7(5): 1859-1861	P-ISSN: 2349-8528 E-ISSN: 2321-4902	5.31
34	RB Dake, VK Bhamare and SH Mhaske	Bio-efficacy, persistence and residual toxicity of different insecticides against aphids ( <i>Aphis gossipy</i> (Glover)) on sunflower	<i>International Journal of Chemical Studies</i> 2019; 7(3): 3859-3863	P-ISSN: 2349-8528 E-ISSN: 2321-4902	5.31
35	RB Dake and VK Bhamare	Bio-efficacy, persistence and residual toxicity of different insecticides against jassids ( <i>Amrasca biguttula biguttula</i> Ishida) on sunflower	<i>Journal of Entomology and Zoology Studies</i> 2019; 7(3): 1245-1250	E-ISSN: 2320-7078 P-ISSN: 2349-6800	5.53
36	RB Dake and VK Bhamare	Bio-efficacy, persistence and residual toxicity of different insecticides against whitefly ( <i>Bemisia tabaci</i> (Gennadius)) on sunflower	<i>Journal of Entomology and Zoology Studies</i> 2019; 7(3): 1499-1504	E-ISSN: 2320-7078 P-ISSN: 2349-6800	5.53



37	VK Bhamare, RD Dhembare, AS Ingale, KV Deshmukh and SH Shelke	Impact of abiotic factors on population dynamics of <i>Thysanoplusia orichalcea</i> (Fabricius) and <i>Mocis undata</i> (Fabricius) infesting sole sunflower and sunflower intercropped with pigeonpea	<i>Journal of Entomology and Zoology Studies</i> 2019; 7(5): 706-710	E-ISSN: 2320-7078 P-ISSN: 2349-6800	5.53
38	VK Bhamare, RD Dhembare, KV Deshmukh, AS Ingale and RU Desai	Population dynamics of <i>Chrysodeixis acuta</i> (Walker) and <i>Gesonia gemma</i> (Swinhoe) infesting sunflower intercropped with pigeonpea and its correlation with weather parameters	<i>Journal of Entomology and Zoology Studies</i> 2019; 7(5): 941-945	E-ISSN: 2320-7078 P-ISSN: 2349-6800	5.53
40	VK Bhamare, RD Dhembare, PK Nalwandikar, KV Deshmukh and AS Ingale	Influence of ambient weather on the incidence of hairy caterpillars infesting sole sunflower and sunflower intercropped with pigeonpea	<i>Journal of Entomology and Zoology Studies</i> 2019; 7(5): 576-580	E-ISSN: 2320-7078 P-ISSN: 2349-6800	5.53
41	S. B. Daware, V. S. Jagtap, S. R. Kalam	Studies on heterosis for yield and yield contributing characters in chilli ( <i>Capsicum annum</i> L.)	<i>Bull. Env. Pharmacol. Life sci.</i> , Vol 8(4) March 2019 : 60-64	2277-1808	4.95
42	T. L. Dhumal, V. S. Jagtap, T. S. Kale, V. D. Padekar	Studies on heterosis, inbreeding depression and heritability in Ridge Gourd ( <i>Luffia acutangula</i> L.)	<i>Int. J. Pure App. Biosci.</i> 7 (2) : 503-508 (2019)	2320-7051	4.74
43	I. D. Ghatul, V. S. Jagtap, V. D. Padekar, S. B. Ghorpade	Effect of different levels of pruning on quality pomegranate ( <i>Punica granatum</i> L.) cv. Super Bhagwa	<i>International Journal of Chemical Studies</i> 2019, 7(5) 2899-2902	2349-8528	5.3
44	I. D. Ghatul, V. S. Jagtap, A. A. Solanke, S. J. Ban	Effect of different levels of pruning on yield of pomegranate ( <i>Punica granatum</i> L.) cv. Super Bhagwa	<i>International Journal of Chemical Studies</i> 2019 7(5), 2367-2369	2349-8528	5.3
45	S. J. Ban, V. S. Jagtap, S. B. Ghorpade, I. D. Ghatul	Genetic variability studies in pea ( <i>Pisum sativum</i> L.)	<i>International Journal of Chemical Studies</i> 2019 7(5) 1975-1978	2349-8528	5.3



46	S. J. Ban, V. S. Jagtap, S. B. Ghorpade, K. D. Wakulkar	Correlation and path analysis in pea ( <i>Pisum sativum</i> L.)	<i>International Journal of chemical Studies</i> 7(5) 2586-2589	2349-8528	5.3
47	S. B. Ghorpade, V. S. Jagtap, S. J. Ban, S. P. Chaudhari	Genetic variability studies for qualitative attributes in bottle gourd ( <i>Lagenaria siceraria</i> L.)	<i>Journal of Pharmacognosy and Phytochemistry</i> 2019, 8(5) : 1911-1913	2278-4136	5.21
48	S. B. Ghorpade, V. S. Jagtap, S. J. Ban, S. R. Bidave	Genetic variability studies in bottle gourd ( <i>Lagenaria siceraria</i> L.)	<i>International Journal of Chemical Studies</i> 2019; 7(5) : 1947-1950	2349-8528	5.3
49	G. S. Thorat, V. N. Toprope and M. V. Chavan	Combining Ability Analysis for various Quantitative traits in Chickpea ( <i>Cicer arietinum</i> L.) . 2019	<i>Bull. Env. Pharmacol. Life Sci.</i> , 8(10) 2019: 31-35.	2277-1808	4.95
51	S. B. Sanap, V. G. Mulekar, K.L Jaiswal and R.A. Dhavale	<i>In vitro</i> evaluation of different bioagents against <i>Fusarium oxysporium</i> f. sp <i>lycopersici</i> causing wilt in tomato	<i>Journal of Pharmacognosy and Phytochemistry</i> 2019; 8(5): 1705-1706	2349-8234	5.21
52	P. N. Kadam, V. G. Mulekar, A. S. Rothe, Shinde P. A. and K. L. Jaiswal	<i>In vitro</i> evaluation of antibiotics and antibacterial chemicals against <i>Ralstonia solanaceum</i> infecting bacterial wilt in chilli	<i>International Journal of Chemical Studies</i> 2019; 7(5): 1873-1875	2349-8528	5.31
53	R. A. Dhavale, V. G. Mulekar, K. L. Jaiswal, A. R. Bhosale and A. S. Rothe	<i>In vitro</i> evaluation of non systemic fungicides against <i>Colletotrichum gloeosporoides</i> causing fruit rot in banana	<i>Journal of Pharmacognosy and Phytochemistry</i> 2019; 8(5): 1486-1488	2349-8234	5.21
54	A. S. Rothe, V. G. Mulekar, P. N. Kadam, K. L. Jaiswal and P. A. Shinde	Efficacy of systemic fungicides against <i>sclerotium rolfsii</i> causing chickpea collar rot	<i>International Journal of Chemical Studies</i> 2019; 7(5): 1147-1149	2349-8528	5.31
55	A. R. Bhosale, V. G. Mulekar, K. L. Jaiswal and A. S. Rothe	Isolation, characterization and identification of phosphate solubilising bacteria from maize rhizosphere soil	<i>International Journal of Current Microbiology and Applied Science</i> 2019; 8(10): 01-04	2319-7706	5.38
56	K A Burgute, S. J. Magar, A C patil and M D Navale	<i>In vitro</i> bioefficacy of bioagents against <i>Alternaria alternate</i> causing fungal fruit rot in pomegranate.	<i>International Journal of Chemical Studies</i> 2019,755-758.	2349-8528	5.31





57	P.A Shinde, Sunita J Magar, K L Jaiswal, P.N kadam and A.S Rothe.	Efficacy of insecticides, oils and antibiotics on management of Brinjal little leaf disease.	<i>International Journal of Chemical Studies</i> 2019, 1051-1054	2349-2528	5.31
58	Jaiswal K.L, Magar S.J, Shinde P.A, Rothe A.S and Kadam P.N	<i>In vitro</i> evaluation of biosynthesized silver nanoparticles (Ag NPs) against <i>Fusarium oxysporium</i> f. Sp. <i>Capsici</i> causing wilt of chilli.	<i>International Journal of Chemical Studies.</i> 2019, 1180-1182.	2349-8528	5.31
59	K.A. Burgute and S. J. Magar	<i>In vitro</i> evaluation of systemic, Non-systemic and combi fungicides against <i>Colletotrichum gloeosporoides</i> causing fungal fruit rot in Pomegranate.	<i>International Journal of Current Microbiology and Applied Science.</i>	2319-7706	5.38
60	S.S Dhawan , S.J.Magar, M. D. Navale and H.N Markad.	Bioefficacy of Bioagents against Pathogenic Mycoflora of Soybean Seeds.	<i>Bulletin of Environment, Pharmacology and Life Science.</i>	2277-1808	4.95
61	K.A. Burgute, S. J. Magar, H.N Markad and S.S. Dhawan	<i>In vitro</i> evaluation of systemic, non –systemic and combi fungicides against <i>Alternaria alternata</i> causing fungal fruit rot in Pomegranate.	<i>International Journal of Research and Analytic Reviews.</i>	2349-5138	5.75
62	S.S Dhawan , S.J.Magar, A.S. Rothe ,V. G. Mulekar and K.L. Jaisawal	Detection of Seed Mycoflora of Soybean by Seed health Testing methods	<i>International journal of universal science and technology.</i>	2454-7263	-
63	G.J.Kale, S.J.Magar, P. N. Kadam, PA. Shinde and A.R Bhosale	<i>In vitro</i> evaluation of <i>Trichoderma</i> spp against collar rot of tomato caused by <i>Sclerotium rolfsii</i> .	<i>International journal of universal science and technology.</i>	2454-7263	-
64	Solanke S.B, Jaybhaye R.V., Khodke S.U. & Jadhav S.B.	Process Optimization for Ready-To-Eat Pearl Millet Snack Food ( <i>Kharodi</i> ) using RSM	Journal of Ready to Eat Food, 04 (04): 37- 44	E-ISSN: 2349-9206	--
65	Wadmare V.S., More P. G. & Jayabhaye R. V.	Effect of per cent perforations in LDPE packaging on quality of peeled garlic cloves during storage, 2019	<i>Multilogic in Science, An Int. Journal</i> , Vol. VIII (XXVII): 250-252	ISSN 2277-7601	<b>5.20</b>



66	PS Swami, VB Kamble, MS Anarase	Farm Women's Knowledge in Sericulture Technology	<i>Journal of Pharmacognosy and Phytochemistry</i> 2019 Online 69-72	2278-4136	5.21
67	K.A. Kavar, J. M. Deshmukh and V.G. Dhulgand	Socioeconomic, Psychological and Situational Profile of Farmers, Suicides in Aurangabad District, India	<i>International Journal of Current Microbiology and Applied Sciences</i> Volume 8 Number 06 (2019) :892-900	2319-7706	5.38
68	S.D. Mundhe, D.D. Suradkar, J.M. Deshmukh and V.G. Dhulgand	Relational Analysis of Farmer's Profile with their Perception about Climate Change in Marathwada Region, India	<i>International Journal of Current Microbiology and Applied Sciences</i> Volume 8 Number 06 (2019): 2478-2453	2319-7706	5.38
69	Swati Khandave, Jyoti M. Deshmukh and Mahammad Shafi R. Sk.	Association between Selected Attributes of FPO members and Their Entrepreneurial Behaviour	<i>Indian Res. J. Ext. Edu. 19 (2&amp;3), April &amp; July, 2019 : 60-62</i>	0976-1071	4.81
70	S. D. Mundhe, D. D. Suradkar, J. M. Deshmukh and V. G. Dhulgand	Relational Analysis of Farmer's Profile with their Perception about Climate Change in Marathwada Region, India	<i>International Journal of Current Microbiology and Applied Sciences</i> Volume 8 Number 06 (2019): 2478-2453	2319-7706	5.38
71	M.B.Shinde, D. D. Suradkar and P.T.Shinde	Utility Perception & its relationship with profile characteristics of users of Kisan mobile advisory services (KMAS)	<i>International Journal of Current Microbiology and Applied Sciences</i> Volume 8 Number 07 (2019)	2319-7706	5.38
72	M.B.Shinde, D. D. Suradkar and M.B.Gawali	Constraints in using Kisan mobile advisory services as perceived by Farmers of Latur District of Maharashtra, India	<i>International Journal of Current Microbiology and Applied Sciences</i> Volume 8 Number 07 (2019)	ISSN:2319-7706	5.38
73	M.B.Gawali D. D. Suradkar and M.B.Shinde	Opinion & relationship of Farmers towards mobile based agro-advisory services	<i>International Journal of Current Microbiology and Applied Sciences</i> Volume 8 Number 07 (2019):	ISSN:2319-7706	5.38
74	B.B.Badgire, S.M. Mathur, R.K. Rathod, G.S. Tiwari	Laboratory Performance of Developed Centrifugal Blower of Aero Blast Sprayer for High Density	<i>International Journal of Current Microbiology and Applied Science</i> Vol.9	E-ISSN: 2319-7706	5.38



		Plantation Mango Orchard	(01) Jan 2020		
75	B.B.Badgire, S.M. Mathur, R.K. Rathod, G.S. Tiwari	Field Performance of Developed Aero Blast Sprayer for High Density Plantation Mango Orchard	<i>International Journal of Applied Agriculture &amp; Horticultural Sciences Vol.11 (01) Jan-Feb 2020</i>	E-ISSN: 0974-0775	4.38
76	B.B.Badgire, S.M. Mathur, R.K. Rathod, G.S. Tiwari	Determination of Spray and Air Volume for High Density Plantation Mango Orchard	<i>International Journal of Current Microbiology and Applied Science Vol.9 (02) Feb 2020</i>	E-ISSN: 2319-7706	5.38
77	S.B. Jadhav, U.M. Khodke H.W. Awari and V. K. Ingle	Effect of fertigation technology in high value vegetable crops – an overview	<i>Journal of multilogic in science vol. Viii, special issue (b),</i>	ISSN 2277-7601	5.38
78	S.B. Jadhav, U.M. Khodke H.W. and G.D. Gadade	Yield response of cabbage to different irrigation and fertigation levels	<i>Journal of multilogic in science vol. Viii, special issue (b),</i>	ISSN 2277-7601	5.38
79	V N Toprope and G D Matsagar	Morphological and biochemical mechanisms of resistance against powdery mildew ( <i>Golovinomyces cichoraceaarun</i> ) of sunflower ( <i>Helianthus annuus L.</i> ),2020	<i>J. Oilseeds Res., 37 (Special Issue), : 3-4,</i>	ISSN 0970-2776	5.02
80	V N Toprope , G D Matsagar and V L Rathod	Character association studies for morph-biochemical mechanisms of resistance against powdery mildew ( <i>Golovinomyces cichoraceaarun</i> ) of sunflower ( <i>Helianthus annuus L.</i> )	<i>J. Oilseeds Res., 37 (Special Issue), : 84-85</i>	ISSN 0970-2776	5.02
81	S S Atlawar, V N Toprope and R J Shinde	Studies on genetic variability, correlation coefficient and path analysis in niger ( <i>Guizotia abyssinica L. Cass</i> )	<i>J. Oilseeds Res., 37 (Special Issue), : 89-90</i>	ISSN 0970-2776	5.02
82	Lilhare MA, Indulkar BS, Titirmare NS, Nawkhare AD and Thosar BD	Influence of graded fertilizer levels and zinc on yield and quality of sesamum in Inceptisol	<i>Int. J. of Chem. Studies</i>	2349-8523	5.31
83	Jadhav UB, Indulkar BS, and S,Tistak	Effect of foliar application of nutrient on groth of soybean	<i>Bulletin of Envt. Pharmacy and LifeScience</i>	2277-1808	4.95



84	Kumbhar CS, Indulkar BS, Vaidya PH, Wagh CB, and Ingole AJ	Transformation of NPK and S as influenced by Micronutrient application of Sunflower	<i>Int. J. Curr. Microbiol &amp; App.Sci.</i>	2319-7692	5.38
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**Participation of Faculty Member in Seminar, Symposia, Conference, Workshop, Training etc.**

Sr. No.	Name of the Faculty	Title of Research paper Seminar, Symposia, Conference, Workshop, Training etc.	Period		Name of the Organizing institute	Place
			From	To		
1.	R.D. Shelke	22 <sup>nd</sup> National Conference of Maharashtra Society of Agricultural Economics	21.12.19	22.12.19	Maharashtra Society of Agricultural Economics	Department of Agricultural Economics, VNMKV, Parbhani
2.	A. T. Shinde	Paradigm transformation of technological advancement in Veterinary sciences: National Perspective	26.11.19	27.11.19	PGIVAS, Akola	PGIVAS, Akola
3.	P. V. Padghan	Paradigm transformation of technological advancement in Veterinary sciences: National Perspective	26.11.19	27.11.19	PGIVAS, Akola	PGIVAS, Akola
4.	P. V. Padghan	Technological Advances in Functional Food Ingredients and Validation of Their Claim	06.12.19	26.12.13	National Dairy Research Institute,	Karnal - (Haryana)
5.	D.G. More	District Level (Latur) Workshop of CROPSAP Project	6.04.19	26.04.19	State Dept. of Agriculture	DPDC Hall, Latur
6.	P.B. Wadikar	Biotic and Abiotic stress tolerance in plants under changing climatic conditions	06.08.19	26.08.19	Punjab A University Ludhiana, (Punjab)	Ludhiana,
7.	V.K. Bhamare	District Level (Latur) Workshop of CROPSAP Project	22.04.19	2.04.19	State Dept. of Agriculture	DPDC Hall, Latur
8.	V.K. Bhamare	Under Nanaji Deshmukh Krishi Sanjivini Project (POCRA) guided on	25.04.19	25.04.19	KVK, Latur	Latur



		Integrated Pest management cotton				
9.	V.K. Bhamare	Under Nanaji Deshmukh Krishi Sanjivini Project (POCRA) guided on Insecticide Resistance management	5.04.19	25.04.19	KVK, Latur	Latur
10.	V.K. Bhamare	Under Nanaji Deshmukh Krishi Sanjivini Project (POCRA) guided on Safe handling of insecticides	6.04.19	6.04.19	KVK, Latur	Latur
11.	V.K. Bhamare	Under Nanaji Deshmukh Krishi Sanjivini Project guided in Horticultural Plantation Workshop on Integrated Pest management of mango	12.06.19	12.06.19	SAO, Latur	Latur
12.	V.K. Bhamare	Under DAESI Programme (Diploma in Agricultural Extension Services for Input Dealers) guided on Current pest situation and Identification of damage due to insect-pests and their management	02.08.19	02.08.19	MANEGE Hyderabad and Sir Choturam College of Agril. Engineering and Technology, Lodga	Lodga
13.	V.K. Bhamare	--do--	03.08.19	03.08.19	--do--	Lodga
14.	V.K. Bhamare	--do--	03.08.19	03.08.19	--do--	Lodga
15.	V.K. Bhamare	--do--	03.08.19	03.08.19	--do--	Lodga
16.	V.K. Bhamare	--do--	10.08.19	10.08.19	--do--	Lodga
17.	V.K. Bhamare	--do--	6.08.19	6.08.19	--do--	Lodga
18.	V.K. Bhamare	--do--	9.08.19	9.08.19	MANEGE Hyderabad and KVK, Latur	Latur
19.	V.K. Bhamare	Under Nanaji Deshmukh Krishi Sanjivini Project (POCRA) Rabi Famers School	07.01.20	07.01.20	ATMA, Latur	Latur



		guided on Integrated Pest management gram and sorghum				
20.	S.J. Magar	Massive open online course (MOOC) on Teaching Excellence	1.11.19	30.11.19	ICAR-NAARM	Online Course
21.	S.J. Magar	e- Extension	6 week		Ag MOOCs BHU, Varanasi,	Online Course Ag MOOCs BHU
22.	S.J. Magar	Detection, Diagnosis and Management of Plant Diseases.	6 week		Ag MOOCs BHU, Varanasi,	Online Course
24.	S.J. Magar	Human, Animal and Plant Mycoplasmas	3.12.19	5.12.19	NCMR Pune.	NCMR Pune
25.	R.D. Shelke	Employment generation among rural youth through Agripreneurship	18.6.19	30.7.19	agMOOCs Online Course	Indian Institute of Technology, Kanpur and Commonwealth of Learning, Canada
26.	R.D. Shelke	e-Extension	18.10.19	03.12.19	agMOOCs Online Course	--do--
27.	R.V. Jayebhaye	Heat and Mass Transfer Studies during hot air puffing of barnyard millet snack food 10 <sup>th</sup> Asia Pacific Drying Conference-2019	14.12.19	17.12.19	National Institute of Technology, Rourkela	Vadodara, Gujarat
28.	B.B. Badgire	Data Sciences	23.09.19	27.09.19	CTAE, MPUAT, Udaipur	Udaipur
29.	J. M. Deshmukh	International conference on: "Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISASS-2019)"	20.10.19	22.10.19	National Academy of Agricultural Research Management, Hyderabad, Telangana	NAARM, Hyderabad
30.	D. D. Suradkar	ETI training of NSS Programme Officer	24.8.19	30.8.19	ETI training institute Ahmednagar	ETI training institute Ahmednagar
31.	D. D. Suradkar	Short training "Agriculture media skills for Extension professionals	20.1.20	29.1.20	Dept of Agril Extension College of Agriculture, PJTSAU Rajendranagar, Hyderabad	PJTSAU Rajendranagar, Hyderabad
32.	V.B. Kamble	e-Extension	18.10.19	03.12.19	agMOOCs	Indian Institute



					Online Course	of Technology, Kanpur and Commonwealth of Learning, Canada
33.	J. M. Deshmukh	e-Extension	18.10.19	03.12.19	agMOOCs Online Course	--do--
34.	D. D. Suradkar	e-Extension	18.10.19	03.12.19	agMOOCs Online Course	--do--
35.	J. M. Deshmukh	Employment generation among rural youth through Agripreneurship	18.6.19	30.7.19	agMOOCs Online Course	--do--
36.	D. D. Suradkar	Employment generation among rural youth through Agripreneurship	18.6.19	30.7.19	agMOOCs Online Course	--do--
37.	M.J. Patange	Training: 'Doubling the farmer's income through integrated farming system for livelihood security'	Nov, 18	27, 2019	AICRP on Dryland Agriculture, VNMKV, Parbhani - 431402(MS) (ICAR Spon. Short Course)	VNMKV, Parbhani
38.	M.J. Patange	22 <sup>nd</sup> National Conference 'Economic study of impact assessment of front line demonstration on Soybean'	Dec, 21,	22, 2019	Maharashtra Society of Agriculture Economics Organized at Dept. of Agricultural Econ., VNMKV, Parbhani	VNMKV, Parbhani
39.	Sunita J. Magar and Shinde A.P.	Survey, symptomatology and effect of antibiobiotics on brinjal little leaf symptoms	3-12-19	5-12-19	International conference on "Human, Animal and Plant Mycoplasmas",	NCMR Pune.
40.	Sunita J. Magar and Shinde A.P.	Effect of date of transplanting on brinjal little leaf symptoms	3-12-19	5-12-19	International conference on "Human, Animal and Plant Mycoplasmas"	NCMR Pune.
41.	Sunita J. Magar, Bagul V.K. and Somwanshi S. D.	Compatibility of <i>Pseudomonas fluorescens</i> isolates with agrochemicals.	16-01-20	20-01-20	7 <sup>th</sup> International conference of Indian Phytopathology on "Phytopathology in achieving	Division of Plant Pathology, IARI, New Delhi



					sustainable Development Goals	
42.	Sunita J. Magar, Jadhavar J.A. and Banne S.N.	Management of seedling damping off caused by <i>Pythium aphanidermatum</i> by seed priming.	16-01-20	20-01-20	--do--	Division of Plant Pathology, IARI, New Delhi
43.	D.P. Khavle, N.V. Jadhav and V.K. Bhamare	Preparation of organic herbicide from the roots of sunflower at farm level	28-01-20	31-01-20	Maharashtra State Inter-University Avishkar Research Convention :2019-20	University of Mumbai
44.	P.F. Gaikwad and V.K. Bhamare	Cowdungwash	28-01-20	31-01-20	--do--	University of Mumbai
45.	R.S. Mahajan and V.K. Bhamare	Biology and Parasitic Efficiency of different Egg Parasitoids of <i>Spodoptera frugiperda</i> (J.E. Smith)	28-01-20	31-01-20	--do--	University of Mumbai
46.	Rahane A. S., Shelke R. D. and Thombre V. S.	Cost and Returns of Goat Rearing in Ahmednagar District of Maharashtra	21-12-19	22-12-19	MSAE & Dept. of Agril. Econ. COA, Parbhani	VNMKV, Parbhani
<b>Akola Chapter of ISSS, Dr. PDKV, Akola held on 20 to 21 January 2020</b>						
47.	Borkar, M S, Takankhar, V G, Bankar S S and Mutkule, U S	Effect of foliar applications on yield and quality of okra ( <i>Abelmoschus esculentum</i> L.) in Inceptisol				
48.	Takankhar V G, Chatarkar D V, Lingayat N R, and Thorat A A	Effect of liquid biofertilizers ( <i>Bradyrhizobium</i> and PSB) on growth and yield of greengram				
49.	Padghan A D, Takankhar V G, Munjwar G B and Goswami H G	Effect of foliar applications of micronutrients on yield and quality green gram				
50.	Thorat G D, Indulkar B S, Thite T S and Kadam D M	Effect of potassium and zinc applications on nutrient uptake and yield of sunflower ( <i>Helianthus annus</i> L) in Inceptisol				
51.	Deshpande P S, Indulkar B S, Asati N P and Jaybhaye R V	Effect of RDF and biofertilizer levels on growth and yield of cowpea				
52.	Wankhade S B, Adsul P B, Adode A V and Salunke P R	Effect of <i>gluconacetobacter</i> and PSB on yield and quality of <i>kharif</i> sunflower ( <i>Helianthus annus</i> L.)				
53.	Adsul P B and Patil V D	Effect of soil and foliar feeding of nutrients and growth regulators on yield and quality of soybean ( <i>Glycine max</i> L.)				
54.	Indulkar B S, Lilhare M A, Ghodke P M and Tayade A N	Influence of graded fertilizer levels and zinc on yield and quality sesame ( <i>Sesamum indicum</i> L.) in Inceptisol				
55.	Karanjikar P N, Arkas K R and Takankhar V G	Effect of different fertilizers grades on growth and yield of frenchbean				
56.	Lokhade P B, Indulkar B S and Dhamak A L	Effect of phosphorus and zinc on yield and quality of greengram ( <i>Vigna radiata</i> ) in Inceptisol				





57.	Jadhav L S, Indulkar B S, Lokhande P B and Padghan A D	Effect of different levels of potassium and zinc on yield and quality parameters of soybean ( <i>Glycine max</i> L.) in Inceptisol
58.	Adsul P B, Gawade G B, Netwate S E and More B N	Effect of sulphur and boron on yield, quality and nutrient uptake of <i>kharif</i> sunflower ( <i>Helianthus annus</i> L.) in Inceptisol

**Seminar, Symposia, Conference, Workshop, Training etc. Organised by Department, College/Institute**

Sr. No.	Name of the Conference	Period		Place	No. of Participant	Name of Faculty Institute	Approx. Budget
		From	To				
1.	Rabi Famers Rally : Integrated management of Rabi crops	17.09.2019	17.09.2019	COA, Latur	5000	COA, Latur	3.5 lakh

**Other significant activities done by Departments**

**Department of Agricultural Engineering**

**1) Expansion for Runoff Water Harvesting Potential through conversion of farm pits into Farm Ponds:**

Two odd shaped farm pits behind Boys Hostel were reshaped into new farm ponds in order to increase water storage capacity and give aesthetic view. The cost of this work amounted to Rs. 37,240/-.

**2) Cement Pipe laying at Inlet & Outlet of Farm Ponds and across Farm Roads:**

Supervised the tendered work of laying cement pipes of 900 mm diameter from University Engineer's office. The pipes were fitted by excavating inlet and outlet at the existing six farm ponds in the campus for protection and safe disposal of excess runoff water from the farm ponds. Pipes were also laid across the farm roads at one point for cross drainage of runoff water from the farm ponds. The total expenditure on this work was Rs. 2,20,009/-.

**3) Construction of CD Work & Laying Cement Pipes :**

A construction Cross Drainage (CD) work for diversion runoff water flow from the main field channel in front of library to farm ponds in network was completed. In this CD work a trench was excavated and four cement pipes were laid beneath the road. An iron gate with removable plate was fitted at the inlet of laid cement pipes by providing concrete wall for regulation of runoff water flow. The total expenditure on this work was Rs.1,17,572/-.

**Any Other Information:**

**A. Farm Pond Development & Cross Drainage Work for Runoff Diversion:**

Work carried out by Farm Pond Development & Plantation Committee, COA, Latur



**1) Reshaping & conversion of Farm pits into farm pond behind Boy's Hostel**



**2) Reshaping of farm pits & Excavation of Outlet from farm pond for Stone Pitching:**



**3) Rejuvenation of Banyan tree by reshaping the farm pond and piling soil for support:**



**4) Cross Drainage work across the road in front of library for diversion of runoff water towards network of farm ponds for increasing water storage & groundwater recharge:**





**A) Excavation of trench across road & reshaping field channel for diversion & carrying runoff**



**B) Cement pipe & Cement Concrete work for permanent support and Runoff Flow control gate.**



**C) Runoff Flow through CD work, channel and water storage in farm pond in monsoon season:**



**5) Fitting Cement Pipes at Inlet & Outlet of Farm Ponds: work carried out by University Engineer and Supervised by Dr. R.V. Jayebhaye**





## Department of Agronomy

**Implemented the “Atal Dense Forestry Plantation Programme” on 2.0 ha land of College Farm** by continuous follow up with the Divisional Forest Officer, Social Forestry Department, Latur without any expenditure. The Social Forestry Department, Latur has planted different species offorest trees on 2.0 ha land and the department will take the care of all trees for next 3 years and then it will be handed over to College of Agriculture, Latur.

### Plantation of trees “Atal Dense Forestry Plantation Programme” on 2.0 ha land



## Department of Plant Pathology

**Dr. S.J. Magar : As a Module In charge, Mushroom Production Technology attended meeting at NASC, complex, New Delhi organized by ADG, Education, ICAR, New Delhi and presented Experiential Learning Programme project on ‘Mushroom Production Technology’** which is short listed for Department of Plant Pathology, College of Agriculture, Latur on 23.10.2019 and Rs. 64 Lakhs only (Rs. Sixty Four Lakhs only) was sanctioned for ELP on ‘Mushroom Production Technology’ at Department of Plant Pathology, College of Agriculture, Latur.

### Books, bulletins, folders, practical record book, notes published:

Sr. No.	Authors & Title	Publisher
1.	R.V. Jaybhaye	Hand written Theory Notes of Course No. ENGG-364 (New), Title: Protected Cultivation and Secondary Agriculture.
2.	V.K. Bhamare and D.G. More	ENTO 232 “Notes and Manual of Insect Ecology and Integrated Pest Management”
3.	V.K. Bhamare and D.G. More	ENTO 365 “Notes and Manual of Management of Beneficial Insects”
4.	D.G. More and V.K. Bhamare	ENTO 354 “Notes and Manual of Pest of Horticultural Crops and Their management
5.	P.A. Sawant and J. M. Deshmukh	Teaching notes on Agricultural Journalism for course ELE. EXTN 244
6.	J. M. Deshmukh	Practical manual for ELE EXTN 244



### Extension Activities:

1. College Staff has been engaged in guiding the staff of Agriculture Department in monthly workshop at College of Agriculture, Latur.
2. Subject Matter Specialists of this college have also participated in “Krishi Vahini” weekly programme and Radio Talks and replies to the problems and doubts of the farmers.
3. Subject Matter Specialists of this college are guiding the farmers, during their visit to college of Agriculture, Latur.
4. Dr. V.S. Jagtap, Associate Professor of Horticulture attended field visited at Nilanga, Chakur and AUSA and Latur of Latur district for nursery inspection of pomegranate, citrus and mango, suggested control measures to overcome the problem.
5. Dr. J.M. Deshmukh, worked as an expert for PG Programme of YCMOU, Nasik and also guided PG students for their ORW preparation and presentation on 30<sup>th</sup> Nov and 1<sup>st</sup> Dec 2019 at School of Agriculture Science, Nasik.
6. Department of SSAC Organized Poster Presentation Skills Competitions among PG Students, Demonstrations of Poster in Seminars and at Department Level.

### List of Lectures Delivered by faculties in Training Programme/ Shetkari Melava

Sr. No.	Name of Faculty Member	Lectures Delivered in Training Programme / Shetkari Melava	Place / Venue	Date
1.	P. N. Karanjikar	Unnat Sheti Samruddha Shetkari Programme 2019- Guided the farmers of Latur Tahsil regarding cultivation practices of kharif crops under the “Unnat Sheti Samruddha Shetkari Programme 2019”	TAO, Latur	25.5.2019 to 08.06.2019
2.	P. N. Karanjikar	Soybean cultivation practices - Guided the farmers of Latur Tahsil in Taluka level Workshop regarding cultivation practices of soybean under the “Unnat Sheti Samruddha Shetkari Prog. 2019”	Panchayat Samiti Hall, Latur	31.5.2019
3.	P. N. Karanjikar	Soybean and Pigeonpea cultivation - Guided 36 farmers in the Animal Vaccination programme and training organized by RAWE students of Mahapur.	Mahapur, Ta. Latur	24.6.2019
4.	P. N. Karanjikar	Soybean cultivation practices - Guided 47 farmers in the training programme organized by RAWE students of Khurdali.	Khurdali, Ta. Chakur	26.6.2019
5.	P. N. Karanjikar	Pigeonpea cultivation technology- Guided 36 farmers in the Animal Vaccination programme and training organized by RAWE students of Bhabhalgaon.	Bhabhalgaon, Ta. Latur	27.6.2019



6.	P. N. Karanjikar	Soybean and Pigeonpea cultivation-Guided 29 farmers in the Animal Vaccination programme and training organized by RAWE students of Bhabhalgoan.	Kasarkheda, Tq. Latur	04.7.2019
7.	P. N. Karanjikar	Rabi Shetkari Melava	COA, Latur	17.9.2019
8.	R.V. Jaybhaye	Farm Mechanization – Status & Scope, Irrigation Technologies for Precision Agriculture, Green Energy & Biomass Utilization for Future Life, and Society, Science, Technology & Ethics.	Sir Chhoturam College of Agril. Engineering & Technology, Lodga, Dist. Latur	17.9.2019
9.	S.J.Magar	Seed treatment of trichoderma PSB and Rhizobium, Also on Integrated Disease management of Soybean and Tur	Tiwatghyal and Algarwadi, Latur	12.6.2019
10.	A. S. Kadam	Plant protection, harvesting and post harvest operation for export quality of Mango.	Osmanabad	16.05.2019
11.	A. S. Kadam	Advance technology for production of export quality of mango.	DPDC Hall, Latur	12.6.2019
12.	V. S. Jagtap	Dry land fruit and vegetable production technology	Agriculture Exhibition, Latur	31.01.2020
13.	V.K. Bhamare	Threat of fall armyworm to <i>kharif</i> crops and its management	DPDC Hall, Latur	22.04.2019
14.	V.K. Bhamare	Integrated pest management of cotton	KVK, Latur	25.04.2019
15.	V.K. Bhamare	Insecticide resistance management	KVK, Latur	25.04.2019
16.	V.K. Bhamare	Safe handling of insecticides	KVK, Latur	26.04.2019
17.	V.K. Bhamare	Integrated pest management of mango	DPDC Hall, Latur	12.06.2019
18.	V.K. Bhamare	Identification and management of fall armyworm	Murud Dist: Latur	23.07.2019
19.	V.K. Bhamare	Current pest situation and Identification of damage due to insect-pests and their management	Lodga Dist: Latur	02.08.2019
20.	V.K. Bhamare	Importance of pest and disease in agriculture and difference between harmful and beneficial insects	Lodga Dist: Latur	03.08.2019
21.	V.K. Bhamare	Insect and disease symptoms and Classification of pesticides	Lodga Dist: Latur	03.08.2019
22.	V.K. Bhamare	Classification of insecticides and Identification and management of American fall armyworm	Manjara KVK Dist: Latur	09.08.2019
23.	V.K. Bhamare	Insecticide with novel modes of action	Lodga Dist: Latur	10.08.2019
24.	V.K. Bhamare	Insecticide compatibility	Lodga Dist: Latur	10.08.2019
25.	V.K. Bhamare	Concept of IPM and Organic pest mgmt.	Lodga Dist: Latur	16.08.2019
26.	V.K. Bhamare	Integrated pest mgmt. of Rabi crops	COA, Latur	17.09.2019
27.	V.K. Bhamare	Phytotoxic effect of pesticides on pigeonpea	Palashi Dist: Latur	06.12.2019
28.	V.K. Bhamare	Phytotoxic effect of pesticides on pigeonpea	Babhalgaon and Dhanegaon Dist: Latur	10.12.2019



29.	V.K. Bhamare	Phytotoxic effect of pesticides on pigeonpea	Palashi Dist: Latur	23.12.2019
30.	V.K. Bhamare	Integrated pest management of gram and sorghum	DPDC, Hall Latur	07.01.2020
31.	D.G. More	Phytotoxic effect of insecticides on flowers	At Dhangarwadi Tq. Deoni	15.04.2019
32.	D.G. More	Integrated pest management of Rabi crops	Auditorium, COA, Latur	17.09.2019
33.	J.M. Deshmukh	Motivational factors in entrepreneurship development	MPUAT, Udaipur (Sponsored by ICAR)	21Days winter school
34.	J.M. Deshmukh	Soft Skills for Entrepreneurs	MPUAT, Udaipur (Sponsored by ICAR)	21 Days winter school
35.	J.M. Deshmukh	Extension approaches and methods	KVK, Manaja trust Latur for Agro Input Dealers	
36.	P.B. Adsul	Soil Testing and its importance in crop production	Natural Sugar , Ranjani	10 August 2019





## Participation of Post Graduate Students in different conferences / seminar

- 1 Twenty four Post Graduate Students was actively participated and presented research paper in National Conference on Agricultural Economics organised by Maharashtra Society of Agricultural Economics and Department of Agricultural Economics, COA, Parbhani on 21-22 Dec.2019. And in this conference Miss.Rahane A.S. won “Best Poster Presentation Award”.
- 2 Twelve PG Students was actively participated and presented research paper in State Level Seminar on “Frontier Technologies for Resilient Agriculture” organized by Akola Chapter, ISSS, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola during 20 and 21 January, 2020.
- 3 Mr. Banne Shridhar Reg. No. 2018A/ 86ML was awarded with best student award (Gunwant Vidhyarthi Pursakar) by Krishithon , Human Service Foundation , Nashik on 23 Nov,2019.
- 4 Mr. Banne Shridhar Reg. No. 2018A/ 86ML was attended 10 days training on “ Genomic Assisted Molecular Systematics of Fungi” at Department of Plant Pathology, IARI, New Delhi under NAHEP during 09- 17 september,2019
- 5 Posters presented by post graduate students in “National Seminar on Technological Innovations in Oilseed Crops for Enhanced Productivity, Profitability and Nutritional Security” held during February 7 – 8, 2020.







## Educational tour for under Graduate Students

1. On 12.12.2019 a Study Tour of UG VIII Semester was organised by Dr. V.K. Bhamare to visit Sericulture Units at Borgaon, Pathari, Parbhani

### South tour

To broaden student's knowledge and skills through interacting with faculty of well-known institutes and organizations Study and Educational Tour was conducted. Education Tour of B.Sc. (Hons) IV Semester was taken to Hyderabad. Total 96 Students participated in the Tour. Staff members accompanied the Tour were Dr.V.G. Takhankar, Dr.B.B.Badgire, Dr.S.J.Magar, Shri. R.E. Kharate. Tour was conducted by hiring private buses. Tour was conducted from 06/03/2020 to 09/03/2020. The places Visited were as follows.

Sr. No.	Date	Places visited
1	07/03/2020	NAARM, Hyderabad
2	07/03/2020	ICAR- IOR Hyderabad
3	07/03/2020	ICAR- IIRR Hyderabad
4	07/03/2020	PJTSAU, Hyderabad
5	07/03/2020	Lumbini Park, Hyderabad
6	08/03/2020	Golkonda fort, Hyderabad
7	08/03/2020	Salar jung museum, Hyderabad
8	08/03/2020	Birla temple, Hyderabad

### Maharashtra Tour

1. Maharashtra Tour for B.Sc. (Hons) II Semester students was arranged. Total 82 Students participated in the Tour. Staff members accompanied the Tour were Dr.P.V. Padghan, Dr.J.M. Deshmukh, Dr.S.S.Shrangare, Shri S.P. Swami. Tour was conducted by hiring private buses. Tour was conducted from 14/03/2020 to 18/03/2020. The places Visited were as follows.

- Arecanut Research station, Shriwardhan, Dist. Raigad
- Regional Wheat Rust Research station, Mahabaleshwar







### Awards to Faculty and Students

Sr. No.	Name of the award winner	Tilte of the Award	Award/Organiser
1	Dr. R.V. Jaybhaye	Best Poster presentation award in International Conf. on “Entrepreneurship in Agril. & Renewable Energy Sector”	Dept. of Unconventional Energy Sources, Dr. PDKV, Akola on 15-16, March, 2019
2	Dr.R.D.Shelke	Best Poster presentation award in National Conference on Agricultural Economics	Smt.Venutai Ulemale Best poster presentation Award, at VNMKV, Parbhani on 21-22 December, 2019
3	Dr.S.J.Magar	Best Poster Presentation IInd prize in 7 <sup>th</sup> International conference of Indian Phytopathology on “Phytopathology in achieving sustainable Development Goals”	Division of Plant Pathology, IARI, New Delhi, on 16 to 20 January , 2020
4	Shri. P B Adsul	Best Citizen of India Gold Medal Award-2020 on the occasion of 72 <sup>nd</sup> National Unity Conference for “ Individual Achievement and National Development”	26 January, 2020 at Bangalore from GEPR, INDIA, New Delhi





### Faculties acted as member of Editorial board, Referee/ member of panel:

Name of Referee/ Member	Referee or reviewer of Journal with ISSN / Raportuer of Conference	Society/Position	Year
Dr.P.N. Karanjikar	Recruitment committee of Surveillance Officer post at University level.	Acted as Member of Selection committee	2019
Dr.P.N. Karanjikar	Recruitment committee of Group B-Clerk cadre Steno typist lower grade post at University level.	Acted as Member of Selection committee	2019
Dr.P.N. Karanjikar	Filing the post of Assistant Professor and Associate Professor by conducting interview at College of Agriculture, Alni, Gadapti, Dist Osmanabad	Acted as Subject matter specialist and University Representative	2019
Dr. S.J. Magar	Association of Plant Pathologist, Dr.PDKV, Akola	Referee Journal of Plant Disease Sciences,	2019
Dr. V.K. Bhamare	Indian Society of Nematology, IARI, New Delhi	Annals of Plant Protection (0971-3573)	2019

### Financial Position of the College

#### Expenditure Statement – Non-Plan

Sr. No.	Head of Account	Budget Allocation for 2019-20	Expenditure during 2019-20
1	Contingencies	2472000	1883620
2	Salary	83153000	57426114
3	Revenue	5000000	4593698
	<b>Total</b>	<b>90625000</b>	<b>63903432</b>

#### Expenditure Statement – Plan

Sr. No.	Head of Account	Budget Allocation for 2019-20	Expenditure during 2019-20
1	Strengthening of COA, Latur ( 29 New posts)	7000000	5734210

#### Revenue Generated through different sources

Sr. No.	Particulars	Revenue
1	Farm including Dairy, Poultry etc	314926
2	Student fees	9889249
3	Other (specific) library and other resources	2725929
	<b>Total</b>	<b>12930104</b>



## Important Committees of the Institute

Sr. No.	Committee	Name of the Staff Members	Designation
1	Gymkhana Committee	Dr.A.S.Kadam	Vice-President
2	PG Incharge	Dr.V.N.Toprope	In –charge
3	UG Incharge	Dr.V.S.Jagtap	In –charge
4	Scholarship and Student Concession Committee	Dr.V.B.Kamble	In –charge
5	Technical Officer	Dr.R.D.Shelke	In –charge
6	Assistant Information Officer	Dr.R.D.Shelke	Asst. Information Officer
7	Student counselling and placement cell	Dr.V.K.Bhamare	In –charge
8	National Service Scheme (NSS)	Dr.D.D.Suradkar	In –charge
9	Cultural activities Committee	Dr.V.G.Takankhar	Secretary
10	Gymkhana- Finance	Dr.D.G.More	Secretary
11	ICAR Local Co-ordinator	Dr.R.D. Shelke	Nodal Officer
12	“Mrudgandh” Annual Student Magazine	Dr.R.D. Shelke	Editor
13	Farm Management Committee	Shri R.B.Parihar	In –charge
14	Student discipline & Unfairmeans Committee	Dr.P.N.Karanjekar	In –charge
15	Finance Committee (P.G.)	Dr.N.M.Tamboli	Secretary
16	Education Committee (P.G.)	Dr.P.B.Wadikar	Secretary
17	Exam Committee (P.G.)	Dr.Mrs.J.M. Deshmukh	Secretary
18	Examination Committee (UG)	Dr.P.V.Padghan	Secretary
19	Education Committee-UG	Dr. A.T.Shinde	Secretary
20	Hostel and Mess Discipline (Boys and Girls) Committee	Dr.B.S. Indulkar	Secretary
21	Extension Training Officer	Dr.D.D.Suradkar	ETO
22	Gymkhana Sports committee	Dr.S.S.Shrangare	Secretary
23	Anti-ragging Enquiry committee	Dr.V.G.Takankhar	In –charge
24	Anti-ragging Vigilance Squad	Dr.V.G.Takankhar	In –charge
25	Library	Shri B.G.Kamble	Assistant Librarian
26	Hostel (Boys)	Dr.V.K.Bhamare Shri.P.B.Adsul Dr.S.S.Shrangare	Hostel Warden Asst. Hostel Warden Asst. Hostel Warden
27	Hostel (Girls)	Dr.S.J.Magar	Asst. Hostel Warden



<b>I Sports Boys</b>			
28	Athletics	Dr.D.D. Suradkar Dr.S.S.Shrangare	In –charge
29	Badminton	Dr.V.K.Bhamare Dr.D.G.More	In –charge
30	Basketball	Dr.N.M.Tamboli Dr. S.S.Shrangare	In –charge
31	Chess	Dr.A.T.Shinde Dr. P.B.Wadikar	In –charge
32	Cricket	Shri.B.G.Kamble	In –charge
33	Handball	Dr.R.V.Jaybhaye Dr.P.K.Dadgale	In –charge
34	Kabbadi	Dr.V.S.Jagtap Dr.P.B.Adsul	In –charge
35	Kho- Kho	Dr.P.N.Karanjekar Shri.N.H.Chavan	In –charge
36	Table Tennis	Dr.V.B.Kamble Dr.P.N.Karanjekar	In –charge
37	Volleyball	Dr.P.B.Wadikar Dr.S.S.Shrangare	In –charge
38	Yoga	Dr.V.N.Toprope Dr.P.V.Padghan	In –charge
<b>II Sports Girls</b>			
39	Badminton, Table Tennis, Kho-Kho	Dr.S.J.Magar	In –charge
40	Volleyball, Kabbadi, Athletics	Dr.J.M.Deshmukh	In –charge
<b>III Cultural Activities</b>			
41	Arts	Dr. V.G.Mulekar Smt.M.U.Bhikane	In –charge
42	Literary	Dr.V.K.Bhamare Shri.D.P. Chamnikar	In –charge



# Future Thrust



## **Future Strengthening of Infrastructure required:**

### **1) General Infrastructure:**

1. Separate Administrative building
2. Department of Agronomy, Horticulture and Animal Husbandry buildings
3. Farm Office, Implement and Machinery Shade.
4. Strengthening of Internal Roads.
5. Vehicals stand for students and faculties

### **2) Student Amenities:**

1. Up-gradation of Lecture halls and Laboratories.
2. Health Centre with full time Consulting Doctor.
3. Student and staff canteen facility.
4. Sports Complex comprising stadium, running track and play grounds for Kabaddi, Kho-Kho, Football, Volleyball etc.
5. Extention and upgradation of Gymnasium

### **Thrust Areas in Education**

1. Promoting holistic higher agricultural education by blending knowledge, skill and attitude mainly through; (a) Experiential Learning programme, (b) Personality Development, (c) Faculty development, and (d) Strengthening of sports and games facilities.
2. Assuring quality and relevance of higher agricultural education by accreditation and periodic revision of course curricula.
3. Modernization of AC Farms.
4. Reduction of inbreeding in education and promotion of national integration particularly through (i) Common Entrance Tests for Under Graduate (15% seats) and Post Graduate (25% seats) programmes, (ii) Catalytic support for faculty/students exchange, guest- and adjunct-faculty, Gender mainstreaming including girls' hostel, amenities and facilities.
5. Building global competence by providing Overseas Fellowships/Scholarships and International Hostels.
6. Improving faculty competence through training, Centre of Advance Studies, Summer/ Winter School, refresher courses and participation in seminars/ symposium/ conference etc.
7. Provision for visiting faculty, exchange of faculty and students for filling the gaps, excellence promotion and enhancement of faculty-learning resources.
8. Building-on the agricultural education legacy by providing support to old historical Colleges





9. Promoting quality and innovativeness in teaching through best teacher awards and support for textbooks.
10. Linkages with national and international institutions for faculty and students exchange and teaching and learning resources management.

#### **Future Vision/Thrust Areas Research**

1. Monitoring the climate changes on crop productivity and soil and environmental qualities.
2. Inclusion of nano-technology concepts and its applications in course syllabus and in agril. research especially in the field of Agronomy, Soil Science, Horticulture, Dairy Science, Seed technology and Biotechnology.
3. Inclusion and utilization of techniques of Remote sensing and GIS for land use plans, crop planning and for precision agriculture.
4. Development of the genotypes suitable for biotic and abiotic stresses created due to climate change.
5. Research priority on farm mechanization for small and marginal farmers and innovations in operations to reduce the dependence on labour.
6. Establishment and commercial management of industries based on agricultural produce and marketing for achieving higher profit to farmers.
7. Micro and macro level planning for agricultural inputs and its availability for achieving the sustainable crop production.
8. Establishment of Auto-Weather station.
9. Establishment of Central Molecular studies facilities/Lab.



# Photographic Glimpses & Newspaper Cuttings



## RABI SHETKARI MELAVA





## TREE PLANTATION





## FLAG HOISTING



## SEND OFF



## TREE PLANTATION





### Rangoli made by Students on different functions





# साहित्य सम्राट

दैनिक साहित्य सम्राट

## सरपंच यांच्या हस्ते तिक्ट्याळ येथे कृषी कट्ट्याचे उद्घाटन



साहू - साहू यांच्या हस्ते कृषी कट्ट्याचे उद्घाटन करण्यात आले. यावेळी सरपंच यांच्या हस्ते कृषी कट्ट्याचे उद्घाटन करण्यात आले. यावेळी सरपंच यांच्या हस्ते कृषी कट्ट्याचे उद्घाटन करण्यात आले.

## पाथरवाडीत ४६५ पशुधनास लसीकरण



पाथरवाडीत ४६५ पशुधनास लसीकरण करण्यात आले. यावेळी सरपंच यांच्या हस्ते लसीकरण करण्यात आले.

# युवाघनपती

## बोधीत स्तनपान मार्गदर्शन सप्ताह संपन्न!



बोधीत स्तनपान मार्गदर्शन सप्ताह संपन्न झाले. यावेळी सरपंच यांच्या हस्ते मार्गदर्शन करण्यात आले.

# आनंद नगरी लातूर नगरी

## तिक्ट्याळ येथे वृक्षदिंडी



तिक्ट्याळ येथे वृक्षदिंडी काढण्यात आली. यावेळी सरपंच यांच्या हस्ते वृक्षदिंडी काढण्यात आली.

## कृषिकन्यांनी पार पडला निबोळी अर्काचा उपक्रम

कृषिकन्यांनी पार पडला निबोळी अर्काचा उपक्रम. यावेळी सरपंच यांच्या हस्ते निबोळी अर्काचा उपक्रम राबवण्यात आला.

## तिक्ट्याळ येथे १७५ पशुधनास लसीकरण; ग्रामीण कृषि कार्यानुभवचा स्तुत्य उपक्रम



तिक्ट्याळ येथे १७५ पशुधनास लसीकरण करण्यात आले. यावेळी सरपंच यांच्या हस्ते लसीकरण करण्यात आले.

# आनंद नगरी

Sunday 2019/08/25

## कृषिकन्यांच्या पुढाकारातून सेंद्रिय खतनिर्मिती



कृषिकन्यांच्या पुढाकारातून सेंद्रिय खतनिर्मिती करण्यात आली. यावेळी सरपंच यांच्या हस्ते सेंद्रिय खतनिर्मिती करण्यात आली.

## आदर्श गावकरी

## देवास पॅटर्न जलस्तर वाढवण्यासाठी योग्य पर्याय : डॉ. जायभाये



देवास पॅटर्न जलस्तर वाढवण्यासाठी योग्य पर्याय : डॉ. जायभाये. यावेळी डॉ. जायभाये यांच्या हस्ते जलस्तर वाढवण्यासाठी योग्य पर्याय सादर केले.

# आनंद नगरी लातूर नगरी

## बोर्डो पेस्टच्या माध्यमातून लिंबूवर्गीय वृक्षांचे संरक्षण



बोर्डो पेस्टच्या माध्यमातून लिंबूवर्गीय वृक्षांचे संरक्षण. यावेळी सरपंच यांच्या हस्ते बोर्डो पेस्टच्या माध्यमातून लिंबूवर्गीय वृक्षांचे संरक्षण करण्यात आले.



### कृषी महाविद्यालयाच्या मुलीचा संघ विजेता

लातूर : प्रतिनिधी

आंतरमहाविद्यालयीन टेबल टेनिस स्पर्धा

वि. जोरावराव यांचे मार्गदर्शन असलेले, कृषी महाविद्यालयीन मुलींचा संघ आंतरमहाविद्यालयीन टेबल टेनिस स्पर्धेत विजेता ठरला. स्पर्धेत सहभागी झालेल्या मुलींच्या संख्येनेही या संघाचा पराभव होऊ शकला होता.

स्पर्धा अखेर मुलींच्या संघाच्या विजेतेपदावर उतरलेल्या मुलींच्या संख्येनेही या संघाचा पराभव होऊ शकला होता.

### कृषिदूतांमार्फत पाथरवाडी येथे वृक्षदिंडी

लातूर : पाथरवाडी येथील कृषिदूतांमार्फत वृक्षदिंडी काढण्यात आली. यावेळी पाथरवाडी येथील कृषिदूतांनी वृक्षदिंडी काढण्यात आली. यावेळी पाथरवाडी येथील कृषिदूतांनी वृक्षदिंडी काढण्यात आली.

### कृषी महाविद्यालयात निघाली वृक्षदिंडी

लातूर : कृषी महाविद्यालयात निघाली वृक्षदिंडी. यावेळी कृषी महाविद्यालयात निघाली वृक्षदिंडी.

### दुग्धजन्य पदार्थांची मुल्यवृद्धी करणे आवश्यक-डॉ. बाबासाहेब ठोंबरे

लातूर : दुग्धजन्य पदार्थांची मुल्यवृद्धी करणे आवश्यक आहे. यावेळी डॉ. बाबासाहेब ठोंबरे यांनी याबाबतचे मत मांडले.

### कृषी महाविद्यालयात योग दिन साजरा

लातूर : कृषी महाविद्यालयात योग दिन साजरा. यावेळी कृषी महाविद्यालयात योग दिन साजरा.

### पाथरवाडीत ४६५ पशुधनास लसीकरण

पाथरवाडीत ४६५ पशुधनास लसीकरण. यावेळी डॉ. बाबासाहेब ठोंबरे यांनी याबाबतचे मत मांडले.

### पुरोगामी विचारांचे एकमत

### दुग्धोत्पादन वाढीसाठी शीत साखळी आवश्यक

लातूर : प्रतिनिधी

दुग्धोत्पादन वाढीसाठी शीत साखळी आवश्यक आहे. यावेळी डॉ. बाबासाहेब ठोंबरे यांनी याबाबतचे मत मांडले.

### शेतकऱ्यांनी उत्पन्नवाढीसाठी दुग्धव्यवसाय निवडावा

शेतकऱ्यांनी उत्पन्नवाढीसाठी दुग्धव्यवसाय निवडावा. यावेळी डॉ. बाबासाहेब ठोंबरे यांनी याबाबतचे मत मांडले.





# देशोन्नती

रविवारीय  
नांदेड (दिनांक: दि. १५ फेब्रुवारी २०१९) पृष्ठ: ६-८-८४ रुपय ६८.

वेळी-पत्ती ३  
प्राकार: ३  
पृष्ठ: ३

## राष्ट्रीय कृषि अर्थशास्त्र परिषदेचा समारोप

### राष्ट्रीय परिसंवादात लातूरच्या कृषि महाविद्यालयाच्या विद्यार्थ्यांचे यश

लातूर - कृषि महाविद्यालय, लातूरच्या कृषि अर्थशास्त्र परिषदेच्या राष्ट्रीय परिसंवादात लातूरच्या कृषि महाविद्यालयाच्या विद्यार्थ्यांचे यश. या संवादात लातूरच्या विद्यार्थ्यांनी अनेक पुरस्कार जिंकून घेतले. या संवादात लातूरच्या विद्यार्थ्यांनी अनेक पुरस्कार जिंकून घेतले. या संवादात लातूरच्या विद्यार्थ्यांनी अनेक पुरस्कार जिंकून घेतले.

या संवादात लातूरच्या विद्यार्थ्यांनी अनेक पुरस्कार जिंकून घेतले. या संवादात लातूरच्या विद्यार्थ्यांनी अनेक पुरस्कार जिंकून घेतले.

# लोकमत

नांदेड (दिनांक: दि. १५ फेब्रुवारी २०१९) पृष्ठ: ६-८-८४ रुपय ६८.

वेळी-पत्ती ३  
प्राकार: ३  
पृष्ठ: ३

## पशुधन रोगनिदान

### शिबिरात लसीकरण

लातूर - पशुधन रोगनिदान शिबिरात लसीकरण. या शिबिरात लसीकरण करण्यात आले. या शिबिरात लसीकरण करण्यात आले.

या शिबिरात लसीकरण करण्यात आले. या शिबिरात लसीकरण करण्यात आले. या शिबिरात लसीकरण करण्यात आले.

# मराठवाडा नेता

नांदेड (दिनांक: दि. १५ फेब्रुवारी २०१९) पृष्ठ: ६-८-८४ रुपय ६८.

वेळी-पत्ती ३  
प्राकार: ३  
पृष्ठ: ३

## कृषि महाविद्यालयाच्या मुलींचा संघ उपविजेता



लातूर - कृषि महाविद्यालयाच्या मुलींचा संघ उपविजेता. या संघात लसीकरण करण्यात आले. या संघात लसीकरण करण्यात आले.

## यशवंत

नांदेड (दिनांक: दि. १५ फेब्रुवारी २०१९) पृष्ठ: ६-८-८४ रुपय ६८.

वेळी-पत्ती ३  
प्राकार: ३  
पृष्ठ: ३

## कासारखेडा गावात वृक्षारोपन व वृक्षदिंडी

लातूर - कासारखेडा गावात वृक्षारोपन व वृक्षदिंडी. या वृक्षदिंडीत वृक्षारोपन करण्यात आले. या वृक्षदिंडीत वृक्षारोपन करण्यात आले.

या वृक्षदिंडीत वृक्षारोपन करण्यात आले. या वृक्षदिंडीत वृक्षारोपन करण्यात आले.

## लातूर भूकंप

नांदेड (दिनांक: दि. १५ फेब्रुवारी २०१९) पृष्ठ: ६-८-८४ रुपय ६८.

वेळी-पत्ती ३  
प्राकार: ३  
पृष्ठ: ३

## रिंगिसाख्या अमानुष प्रकरणासून कृषिच्या विद्यार्थ्यांनी परावृत्त व्हावे- डॉ. ठोंबे

लातूर - रिंगिसाख्या अमानुष प्रकरणासून कृषिच्या विद्यार्थ्यांनी परावृत्त व्हावे. या प्रकरणासून कृषिच्या विद्यार्थ्यांनी परावृत्त व्हावे.

या प्रकरणासून कृषिच्या विद्यार्थ्यांनी परावृत्त व्हावे. या प्रकरणासून कृषिच्या विद्यार्थ्यांनी परावृत्त व्हावे.

## युवाघ्नपती

नांदेड (दिनांक: दि. १५ फेब्रुवारी २०१९) पृष्ठ: ६-८-८४ रुपय ६८.

वेळी-पत्ती ३  
प्राकार: ३  
पृष्ठ: ३

## माय मराठी गोड मधाचे मोहळ आहे - राजपंखे

लातूर - माय मराठी गोड मधाचे मोहळ आहे. या मधाचे मोहळ आहे. या मधाचे मोहळ आहे.

या मधाचे मोहळ आहे. या मधाचे मोहळ आहे.

## पुरोगामी विचारांचे एकमत

नांदेड (दिनांक: दि. १५ फेब्रुवारी २०१९) पृष्ठ: ६-८-८४ रुपय ६८.

वेळी-पत्ती ३  
प्राकार: ३  
पृष्ठ: ३

## लातूर

लातूर - पुरोगामी विचारांचे एकमत. या विचारांचे एकमत. या विचारांचे एकमत.

## देशोन्नती

नांदेड (दिनांक: दि. १५ फेब्रुवारी २०१९) पृष्ठ: ६-८-८४ रुपय ६८.

वेळी-पत्ती ३  
प्राकार: ३  
पृष्ठ: ३

## लातूर RDx

लातूर - देशोन्नती. या देशोन्नती. या देशोन्नती.

## लातूर भूकंप

नांदेड (दिनांक: दि. १५ फेब्रुवारी २०१९) पृष्ठ: ६-८-८४ रुपय ६८.

वेळी-पत्ती ३  
प्राकार: ३  
पृष्ठ: ३

## कृषिदूतांमार्फत महापूर येथे वृक्षदिंडी

लातूर - कृषिदूतांमार्फत महापूर येथे वृक्षदिंडी. या वृक्षदिंडीत वृक्षारोपन करण्यात आले. या वृक्षदिंडीत वृक्षारोपन करण्यात आले.

या वृक्षदिंडीत वृक्षारोपन करण्यात आले. या वृक्षदिंडीत वृक्षारोपन करण्यात आले.

## युवाघ्नपती

नांदेड (दिनांक: दि. १५ फेब्रुवारी २०१९) पृष्ठ: ६-८-८४ रुपय ६८.

वेळी-पत्ती ३  
प्राकार: ३  
पृष्ठ: ३

## पर्यावरण संवर्धनासाठी वृक्षांच्या लागवडीकर भर द्यावा - डॉ. इंगोले

नांदेड (दिनांक: दि. १५ फेब्रुवारी २०१९) पृष्ठ: ६-८-८४ रुपय ६८.

वेळी-पत्ती ३  
प्राकार: ३  
पृष्ठ: ३

## युवाघ्नपती

नांदेड (दिनांक: दि. १५ फेब्रुवारी २०१९) पृष्ठ: ६-८-८४ रुपय ६८.

वेळी-पत्ती ३  
प्राकार: ३  
पृष्ठ: ३





# पुण्य नगरी

पुण्य, ३ ऑक्टोबर २०१९

# लातूर भूकंप

लातूर भूकंप

## हरित भारतासाठी कृषी विद्यार्थ्यांनी योगदान देण्याचे आवाहन

लातूर / प्रतिनिधी  
वेळीचे कृषी विद्यार्थ्यांमध्ये 'हरित भारतासाठी कृषी विद्यार्थ्यांनी योगदान देण्याचे आवाहन' देण्यात आले. यावेळी कृषी विद्यार्थ्यांनी योगदान देण्याचे आवाहन देण्यात आले. यावेळी कृषी विद्यार्थ्यांनी योगदान देण्याचे आवाहन देण्यात आले.



## लातूरच्या कृषिदूतांमार्फत गांविदनगर येथे कृषि दिंडी



लातूरच्या कृषिदूतांमार्फत गांविदनगर येथे कृषि दिंडी काढण्यात आली. यावेळी कृषि विद्यार्थ्यांनी योगदान देण्याचे आवाहन देण्यात आले.

# लोकमत

### कृषी महाविद्यालयात दूक्षारोपण कार्यक्रम

लातूर - येथील कृषी महाविद्यालयात दूक्षारोपण कार्यक्रम आयोजित करण्यात आला. यावेळी डॉ. प्रद्विप इंगळेने मार्गदर्शन केले. यावेळी कृषी विद्यार्थ्यांनी योगदान देण्याचे आवाहन देण्यात आले.

# देशोन्नती

देशोन्नती लातूर शहर

# भारतीय शेतीस पुरक व्यवसायाची नितांत गरज-प्रा.मोरे

### रेणापुरातील गोविंदनगर येथे ३६० पशुधनास लसीकरण

प्रतिनिधी/३० जून  
लातूर / प्रतिनिधी  
भारतीय शेतीस पुरक व्यवसायाची नितांत गरज आहे. यावेळी कृषी विद्यार्थ्यांनी योगदान देण्याचे आवाहन देण्यात आले.



यावेळी कृषी विद्यार्थ्यांनी योगदान देण्याचे आवाहन देण्यात आले.



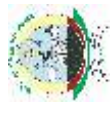
SYMBOL	OBJECT
+	DUG WELLS IN USE
⊕	WELL RECHARGING PIT
⊖	DUG WELLS NOT IN USE
⊙	SUITED WELL
⊗	FODDER STOCK
⊘	THRESHING YARD
⊙	FARM POND
⊙	VEHICLE SHED
⊙	SHED NET
⊙	VERMICOMPOST SHADE
⊙	ROPS TESTING TOWER
⊙	ROOF WATER HARVESTING PIT
⊙	IRRIGATION WATER TANK
⊙	BORE WELL
⊙	DRY BORE WELL
⊙	MICRO IRRIGATION WATER SUPPLY TANK
⊙	COMPOUND WALL

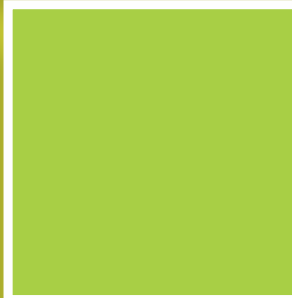
Prepared by: DR.B.M. Jaybhawe  
Dept. of Agricultural Engineering

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