

## DEPARTMENT OF BOTANY (PG)

1. Name of the Department : BOTANY
2. Year of Establishment: 2016-2017
3. Is the Department part of a School/Faculty of the university?-University.
4. Names of programmes offered:- M.Sc. Botany
5. Interdisciplinary programmes and departments involved:---
6. Courses in collaboration with other universities, industries, foreign institutions, etc:---
7. Details of programmes discontinued, if any, with reasons:---
8. Examination System: Annual/Semester (Trimester Choice Based Credit) System:  
Semester (Choice Based Credit system)
9. Participation of the department in the courses offered by other departments:---
10. Number of teaching posts sanctioned, filled and actual

Sr. No.	Name of faculty	Sanctioned	Filled
1	Professor	01	---
2	Associate Professor	03	03
3	Assistant Professor	01	01
4	Temporary	04	04

**11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance.**

Sr. no.	Name	Qualification	Designation	Specialization	Experience	Research under guidance
1	<b>Dr. C. R. Patil</b>	M.Sc., Ph.D.	Asso. Prof and Head of Botany Dept.	Mycology and Plant Pathology	31	06+01 awarded
2	<b>Dr. Khade S. K.</b>	M.Sc., Ph.D	Asso. Prof	Physiology	28	05
3	<b>Dr. Kale P.B.</b>	M.Sc., Ph.D	Asso. Prof	Plant Physiology	30	---
4	<b>Dr. Patil V.A.</b>	M.Sc., Ph. D.	Asso. Prof	Mycology and Plan. Pathology	27	---
5	<b>Dr. Ingle S. T.</b>	M.Sc., Ph.D.	Assi. Prof	Mycology and Plant Pathology	24	02
6	<b>Dr. S. M .Patil</b>	M.Sc., Ph. D.	Assi. Prof (Temporary)	Plant Ecology	03	--
7	<b>Shri. K. S. Jadhav</b>	M.Sc.	Assi. Prof (Temporary)	Cytogenetics	01	--
8	<b>Shri. R. S. Sawant</b>	M.Sc., NET	Assi. Prof (Temporary)	Cytogenetics	01	--
9	Dr. L. A. Kagale	M.Sc., Ph. D.	Assi. Prof (Temporary)	Marine botany	05	--
10	Dr. S. D. Patil	M.Sc., Ph. D.	Assi. Prof (Temporary)	Plant physiology	04	--
11	Shri. V. V. Naik	M.Sc., M.Phil.	Assi. Prof (Temporary)	Marine botany	05	--

**12. List of senior Visiting Fellows, adjunct faculty, emeritus professors-----**

Sr. No.	Name of Scientist	Name of Topic	Date
1	<b>Dr.Absar Ahmad</b>	<b>Bioinspired in organic Nano material synthesis and their application in imaging diagnosis and therapeutics.</b>	<b>14/12/2012</b>
2	<b>Dr.Ch. Ramesh</b>	<b>Climate change and fungal biodiversity</b>	<b>14/12/2012</b>
3	<b>Prof.S R Yadav</b>	<b>Plant resources of the western ghats and the roll of educational institute in their conservation</b>	<b>14/12/2012</b>
4	<b>Dr.C B Salunkhe</b>	<b>Botanical gardens of the word past ,present and future.</b>	<b>15/12/2012</b>
5	<b>Dr.M M Sardesai</b>	<b>Plant diversity of Panhala fort and roll of muncipal council in conservation</b>	<b>15/12/2012</b>
6	<b>Dr.S.R.Yadav.</b>	<b>“Wonders of Nature”</b>	<b>22/08/2014</b>
7	<b>Dr. V. B. Simpale</b>	<b>Biodiversity Conservation”</b>	<b>22/07/2015</b>
8	<b>Dr. D. K. Gaikwad</b>	<b>“Redioactive Isotopes”</b>	<b>04/10/2016</b>
9	<b>Dr. C. B. Salunkhe</b>	<b>“Garden development and Nurturement”</b>	<b>30/08/2016</b>

**14. Programme-wise Student Teacher Ratio:**

Sr. No	Class	Years	No. of Students	No. of Faculty	Ratio
1.	M. Sc. I	2016-2017	09	06	9:2
		2017-2018	18	08	18:4
2.	M. Sc. II	2017-2018	06	08	9:4

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual-N. A.

Sr. No.	Academic Support Staff (technical)	Administrative staff	Sanctioned	Filled
1	Lab. Assistant		01	01
2	Lab. Attendant		02	02
3	Lab peon		01	01

16. Research thrust areas as recognized by major funding agencies—1. Ethonobotany 2. Medicinal plants

3. Taxonomy of Fungi 4.Plant Physiology 5. Biofuel

17. Number of faculty with completed projects :

1. Dr.V.A.Patil.(Principal investigator) (Minor)

Minor research project entitled “Studies on diseases and Insect pests management of grapevine from Miraj and Tasgaon Tahsil,and its importance in relation to grape yield.”  
UGC Rs.55000/-

2. Shri K.Y.Mane.(PI) Dr.V.A.Patil (CO-PI)“Study of mineral deficiency in grape yard with special reference from Miraj and Tasgaon Tahsil”. UGCRs . 1,30000

3. Dr.P.B.Kale .(Principal investigator) (Minor) To Study the soil problems created due to over irrigation and heavy use of chemical fertilizers along the Krishna and Pachanganga Rivers belt from Shirol Tahsil Dist. Kolhapur. UGC Rs.1,65,000/-

4. Dr.S.T.Ingale- .(Principal investigator) (Minor)

Minor research project entitled “Assessment of medicinal plants from forest of some holy places in Hatkanangale Tahsil .UGCRs . 1,35000 /

5. Dr. S.C. Patil Rajaram College Kolhapur.(Principal investigator) (Major.) and Dr.C.R. Patil ( Co.PI.) (Major) - Digital Inventory of medicinal plants resources of Maharashtra ( Ratnagiri and Sindhudurg Dist.) RGSTC ( Rajiv Gandhi Science and Technology Commission ) and ARI ( 2009-12). RGSTC = 17,40000/-

(i) National: 05

(ii) International funding agencies and -

(iii) Total grants received: Rs.-22,25,000 /-(UGC, RGSTC)

Give the names of the funding agencies, project title and grants received project-wise.

Sr. No.	Funding agencies	Project title	Grants received
1	University Grand Commission (UGC)	Assessment of medicinal plants from forest of some holy places in Hatkanangale Tahsil	1,35,000/-
2	RGSTC (Rajiv Gandhi Science and Technology Commission)	Digital Inventory of medicinal plants resources of Maharashtra (Ratnagiri and Sindhudurg Dist.)	17,40,000/-
3	UGC	Studies on diseases and Insect pests management of grapevine from Miraj and	55,000/-

		Tasgaon Tahsil, and its importance in relation to grape yield	
4	UGC	Study of mineral deficiency in grape yard with special reference from Miraj and Tasgaon Tahsil	1,30,000/-
5	UGC	To Study the soil problems created due to over irrigation and heavy use of chemical fertilizers along the Krishna and Pachanganga Rivers belt from Shirol Tahsil Dist. Kolhapur.	1,65,000/-

### 18. Inter-institutional collaborative projects and associated grants received

(i) National collaboration:----

(ii) International collaboration:---

### 19. Publications:

- Number of papers published in peer reviewed journal (National/ International) :--
- Publications in National and International Journals: 79

Sr. No.	Name of the faculty	Title of The Paper	ISSN/ISBN No.	Year
1	S. V. Lonkar, C. R. Patil, C. B. Salunkhe	Preliminary exploration of black mildew fungi from harishchandragadh and its surroundings		
2	M. R. Bhise, C. R. Patil, C. B. Salunkhe	Some new records of black mildew Fungi from Mahabaleshwar, Maharashtra, India	2455-1716	2016
3	S. T. Ingle, C. R. Patil	Diversity of ethanomedicinal medicinal plants from Duleshwar hills	978-93-5235-969-1	2015
4	M. R. Bhise, C. R. Patil, C. B. Salunkhe	New species of genus Asterina (Asteriaceae) from Western Ghats, India	2320-7817	2015
5	M. R. Bhise, C. R. Patil, C. B. Salunkhe	Three new records of black mildew fungi from India	2229-2225	2016
6	C. R. Patil, S. C. Patil	Diversity of soil microfungi under the influence of leaf leachates of eupatorium odoratum L.	0973-1431	2016
7	C.R. Patil, P. M. Jadhav, M. R. Bhise, J. C. Patil, S. C. Patil	Some new records of Macro Fungi from Mahabaleshwar Satara District	976 81-927211-3-1	2015
8	S. T. Ingle, C. R. Patil	Survey of Medicinal plant of babu-jamal durga hills	2320-1436	2013
9	S. T. Ingle, C. R. Patil	Survey of medicinal plants of Babu-Jamal Durga hills, Taluka Hatkangale, Dist Kolhapur	2277-775X	2013
10	A. R. Kasarkar, D. K. Kulkarni, C. R. Patil	Ethano-botanical survey of wild plants from Chandgad region, Kolhapur district, Maharashtra state( India)	978-81-926-339-0-8	2013
11	A. R. Kasarkar, D.	Ethano-botanical observations on	0016-6995	2013

	K. Kulkarni, C. R. Patil, A. D. kulkarni	Alpinia roxb, and Zingiber boehm from south western Maharashtra, India.		
12	C. R. Patil, S. C. Patil	Diversity in polyporoid wood rotting mycobiota from Koyna wildlife sanctuary	2320-1436	2013
13	M. R. Bhise, C. R. Patil, C. B. Salunkhe	New records of meliolaceous fungi from Mahableshwar, Maharashtra, India.	0971-6920	2014
14	A. R. Kasarkar, D. K. Kulkarni, C. R. Patil,	Wild medicinal plants from Chandgad region, Kolhapur district, Maharashtra state, India.	0976-1098	2013
15	M. R. Bhise, C. R. Patil, Patil S. C.	Three new asterinaceous fungi from Werstern Ghats, India	2229-2225	2014
16	C. R. Patil	Distribution survey of invasive weed: Upatorium odoratum L. in satara district	0973-1431	2014
17	C. R. Patil	Fungi diversity in Chandoli wildlife sanctuary dist, Sangali, Part 1	944-952	2014
18	M. R. Bhise, C. R. Patil, C. B. Salunkhe	Two new species of asterinaceous fungi from Mahabaleshwar, Maharashtra, India	1179-3163	2014
19	M. R. Bhise, C. R. Patil, C. B. Salunkhe	Three new black mildew from Mahableshwar , Maharashtra, India	2320-7817	2014
20	C. R. Patil, S. C. Patil	Diversity of macro fungi from protected areas of south western Maharashtra	338-340	2014
21	C. R. Patil, J. C. Patil, S. C. Patil	Diversity of Macro fungi of Shivaji University campus, Kolhapur	978-81-8498-412-6	
22	S. S. Patil, C. B. Salunkhe, C. R. Patil, S. R. Patil, V.B. Supugade	Seasonal variation in the phytoplanktons of Mayani freshwater reservoir from Khanapur Tahsil of Sangli district , M. S. India	978-81-8498-412-6	
23	C. R. Patil	Allelopathy leaf leachate of Eupatorium odoratum l. on some crop plants in Satara district (MS) India.	2229-3469	2011
24	A. S. Nigwekar, C. R. Patil	Effect of Chromolaena odorata (L) King and robinson on seed germination and seedling growth of Cassia species	0976-4755	2011
25	A. S. Nigwekar, C. R. Patil	Effect of Chromolaena odorata (L) king and robinson on seed germination and seedling growth of some common legume crops	0973-1431	2011
26	C. R. Patil	Criteria wise inputs of teacher dairy: an innovative case study		
27	A. S. Nalawade, S. D. Mahadkar, M. V. Gokhale, S. V. Toro, C. R. Patil, S. C. Patil	Distribution of tree species in the light of geomorphology and geology of Ratnagiri district of Maharashtra, India.	978-81-926341-0-4	2012
28	A. S. Nalawade, C. R. Patil, S. C. Patil	Babujamal hills one of the holy places: As a repository of medicinal	978-81-926341-0-4	2012

		plants in Hatkangale tahsil, Dist: Kolhapur.		
29	P.S. Jadhav, C. R. Patil,	Diversity in Aquatic microfungi communities from Satara district	978-81-926341-0-4	2012
30	S. K. Khade	Change in the activity of enzyme dehydrogenase (E.C. 1.1.1.4) during leaf senescence in sericulture crop Morus alba linn	2277-8160	2016
31	S. K. Khade	Changes in total nitrogen content during leaf senescence in sericultural crop Morus alba linn	2394-8426	2016
32	S. K. Khade	Changes in oxalic acid content during leaf senescence in sericultural crop Morus alba linn	2249-555x	2016
33	S. K. Khade	Changes in ascorbic acid content during leaf senescence in sericultural crop Morus alba linn	2250-1991	2016
34	S. K. Khade	Changes in the activity of the enzyme atpase (E.C. 3.6.1.3) During leaf senescence in sericultural crop Morus alba linn	2277-8179	2016
35	S. K. Khade	Changes in the activity of enzyme peroxidase (Ec 1.11.1.7) during leaf senescence in sericultural crop Morus alba linn	2249-555x	2016
36	S. K. Khade	The changes in moisture content (status) during leaf senescence in sericultural crop Morus alba linn	2277-8179	2016
37	S. K. Khade	Changes in the phosphorus content during leaf senescence in sericultural crop Morus alba linn	2394-8426	2016
38	S. K. Khade	Changes in free proline contents during leaf senescence in taxonomic crop Morus alba Linn	2347-8918	2015
39	S. K. Khade	Changes the enzyme nitrate reductase activity (EC 1.6.6.1) during leaf senescence in serucultural crop Morus alba Linn	2347-8918	2015
40	S. K. Khade	Effect of Cytokinin on Photosynthetic pigments during leaf senescence in sericultural crop Morus alba Linn	978-81-927211-3-1	2015
41	S. K. Khade	Effect of indolacetic acid and on photosynthetic pigments during leaf senescence in seruclutural crop Morus alba linn		
42	S. K. Khade	Changes in aluminium content during leaf senescence in sericultural crop Morus alba linn	978-81-8498-412-6	
43	S. K. Khade	Changes in the titrable acid number during leaf senescence in sericultural crop Morus albalinn	0971-6920	204
44	S. K. Khade	Effect of chloro choline chloride on photosynthetic pigments during	2347-8918	2014

		senescence of detached leaf segments of <i>Morus alba</i> linn		
45	S. K. Khade	Changes in magnetic nanoparticle (Copper) during leaf senescence in sericultural crop <i>Morus alba</i> l. on the growth rate of silk work <i>Bombyx mori</i> l.	978-81-926341-2-8	
46	Dr. S. K. Khade	Effect of calcium chloride treatment on photosynthetic pigments during senescence of detached leaf segments of <i>Morus</i>	2320-1436	2013
47	S. K. Khade	Effect of ascorbic acid treatment on photosynthetic pigments during senescence of detached leaf segments of <i>Morus alba</i> linn	2277-775X	2012
48	S. K. Khade, P. D. Chavan	Nitrate, Nitrite and Ammonia contents in the leaves of <i>Morus alba</i> linn	0973-1431	2012
49	S. K. Khade	Effect of Gibberellic acid on photosynthetic pigments during leaf senescence of in <i>Morus alba</i> linn	978-81-929341-0-4	2012
50	S. K. Khade	Change in nutritional quality during leaf senescence in sericultural crop <i>Morus alba</i> linn	2277-775X	2012
51	S. K. Khade	Effect of growth regulation on photosynthetic during leaf senescence of in sericulturl crop <i>Morus alba</i> linn	2277-2340	2012
52	S. T. Ingale, C. R. Patil	Assessment and survey of some medicinal plant's of Narande Hills, Hatkanangale Tahasil (Kolhapur)	0971-6920	2014
53	S. T. Ingale, B. M. Kareppa	Comparative study of seed germination and percentage of fungal infection of <i>Ashwagandha</i>	2229-5836	2012
54	S. T. Ingale, S. Bangale	Comparative study of seed germination and percentage of fungal infection of <i>Ashwagandha</i> ( <i>Withania somnifera</i> (L.) Dunal)	2227-2502	2012
55	S. T. Ingale, B. M. Kareppa	Effect of different nutritional sources on seed germination of <i>Ashwagandha</i> ( <i>Withania somnifera</i> (L.) Dunal)	0976-4755	2012
56	S. T. Ingale, C. R. Patil	Diversity and assessment of some medical plants of Ramling hills Tal, Hatkangle, Dist: Kolhapur. (M.S.)	2277-2340	2012
57	V. A. Patil, D. K. Gaikwad	Effect of various concentrations of $MgCO_3$ , $K_2CO_3$ , and $CaCO_3$ , on moisture and relative water content of sonaka and thompson seedless grapes during raisin production	2231-1971	2014
58	V. A. Patil, D. K. Gaikwad	Analysis of the organic contents in two raisin varieties under different pre-treatments	2231-1971	2014
59	V. A. Patil	Effect of pre-treatments on total polyphenol contents of taxonomic varieties Thompson seedless and	2347-8918	2015

		Sonaka seedless raisins		
60	S. K. Khade	Changes the activity of enzyme catalase (E. C. 1.11.1.6.) during leaf senescence in sericultural crop <i>Morus alba</i> linn	2250-1991	2016
61	S. K. Khade	Change in the activity of enzyme acid phosphatase (E.C.3.1.3.2) during leaf senescence in sericultural crop <i>Morus alba</i> linn	2277-8160	2016
62	S. A. Bagne, A. V. Kattee, M. M. Sardesai, M. M. Lekhak,, S. R. Yadav	Mitotic chromosome studies in <i>nesphostylis bracteata</i> , an endemic legume from western ghats		2014
63	K. Dubal, S. Patil, M. Dongare, M. Kale	Investigation of chemical composition from <i>Dryopteris chochleata</i> (D. Don) C. Chr. (Dryopteridaceae)	0974-2441	2015
64	R. Lavate, S. Patil, A. Dongre, S. Sathe, S. Magdum	<i>Pallavicinia lyellii</i> (Hook) gray (pallaviciniaceae): an additional to the hepatic flora of Maharashtra, India	2348-1900	2015
65	S. Patil, R. Lavate, V. Rawat, M. Dongare	Diversity and distribution of pteridophytes from Satara district, Maharashtra (India)	2348-1900	2016
66	S. Patil, R. Lavate, V. Shimple, V. Rawat	<i>Cyclosorus interruptus</i> (willd.) H. Ito.: a new addition to the flora of Maharashtra	2229-3469	2016
67	S. Patil, M. Dongare	Genus <i>Aleuritopteris</i> (pteridaceae) from northern western ghats, India		2016
68	K. Dubal, S. Patil, M. Dongare, M. Kale	GC-MS analysis of <i>tectaria polymorpha</i> (wall.ex.hook) Copel., from northern western ghats (India)		2016
69	C. R. Patil, S. C. Patil	A mounting and permanent slide preparation technique for cryptogams	2229-3469	2016
70	P.B.Kale, Anjali Sabale	Response of coriander ( <i>Coriandrum sativum</i> L.) to waterlogging	<i>Indian J. Plant Physiol.</i> 15(4): 396-400	2010
71	P.B.Kale, Anjali Sabale	Effect of Soil moisture stress and Waterlogging on <i>Coriandrum sativum</i> L. Var. Indoori.	<i>Vivek Research J. Vivekanand College, Kolhapur</i> 3(2): 2014	2014
72	P.B.Kale, S.B. Jadhav, S. A. Patil	Study of the soil problems due to over irrigation and heavy use of chemical fertilizers along the Krishna and Panchganga rivers belt from Shirol Tahshil Dist. Kolhpur.	<i>National Conference on Environ. Biotech. ISBI</i> 978-81-8498-412-6	2014
73	S.T.Ingle & B.M.Kareppa	“Effect of Different bio-control agents against seed germination”.	ISSN2277-2340 CRITIC- An International Multi-lingual &	2012



			Multi subject	
74	S.T.Ingle & C.R. Patil	“Comparative study of Fungal infection & germination In different varieties of Ashwagandha”.	Research journal of Recent Sciences. ISSN2277-2502	2012
75	S.T.Ingle & C.R. Patil	“Assment and Surveof some medicinal plants of Bahu-bali hills, Tal. Hatkanangle”.	Proceeding, Karmaveer Hire College, Gargoti.Dist. Kolhapur.	2015
76	S.T.Ingle & C.R. Patil	“Effect of different nutritional sources on seed gerination of Ashwagandha (Withania somnifera (L.) Dunal”.	Bioinfolet ISSN-0973-1431 Online ISSN-0976-475.	2012
77	S.T.Ingle & B.M.Kareppa	“Study of seed germination and percentage of fungal infection of Ashwagandha (Withania somnifera (L.) Dunal”.	Journal of Science Information. ISSN :2229-5836	2012
78	C. R. Patil, S. A. Patil, Jaydeep Patil	Addition of Macrofungi To Fungi of India, From Kolhapur District	Manchester- A research journal Multidisciplinary issue ISBN-978-81-926341-6-6	2016
79	Kattee A.V., C. R. Patil, P.R. Kshirsagar and V.B. Simpale	Convolvulaceae of India: Pollen morphology and its systematic significance	JETB Vol-40 Issue-1-2	2016

- Monographs:--
- Chapters in Books: --
- Edited Books: --
- Books with ISBN with details of publishers: Dr. C. R. Patil:18, Dr. S. K. Khade:01, Dr. P.B.Kale:01  
Dr. S.M. Patil: 01 Gross Total: 21

## 20. Faculty serving in:

(i) National committees-Yes.

(ii) International committees: Dr. C. R. Patil • Nodal officer-NIRF • Nodal officer-Government plantation programme • Review committee member science Journal • M.Phil/Ph.D Entrance panel

(iii) Editorial Boards: 1. Dr. C. R. Patil, Editorial Board- Manchester 2. Dr. P. B. Kale, Vivek Journal, Vivekanand College, Kolhapur

(iv) Any other (please specify)

### Dr. C. R. Patil

- Nodal officer-NIRF
- Nodal officer-Government plantation programme
- LIC, B.Sc.I BOS sub-committee B.Sc.I curriculum
- Redressal
- Pay-fixation,
- Project fellow selection panel
- Teachers selection,
- Paper setting panel-Chairmanship
- CAP duties- Moderation, practical examiner

- Nodal officer RIJSA: API scrutiny committee
- Ph.D. synopsis scrutiny
- PG, Practical Examination PANEL
  - Project Assessment
- Review committee member science Journal
- Editorial Board- Manchester
- M.Phil/Ph.D Entrance panel
- Affiliation committee
- Ph.D. viva-voce Panel

#### **Dr. P.B. Kale**

- Subject expert
- Nodal officer
- Affiliation committee
- Practical external examiner
- Pay-fixation
- Paper setting
- Editorial Board of Vivek

#### **Dr. V.A.Patil**

- Subject expert
- Nodal officer
- Affiliation committee(60-62)
- CAP duties- Moderation,
- Practical external examiner
- Project Assessment
- Teachers selection,
- Paper setting panel-Membershipship

#### **Dr.S.T.Ingle**

- Ph.D synopsis scrutiny
- LIC, committee, B.Sc.III curriculum
- Redressal
- Paper setting panel-Membershipship
- CAP duties- Moderation, practical examinar
- Teachers selection,
- CAP duties- Moderation, practical examinar
- Ph.D synopsis scrutiny
- Project Assessment
- Editorial Board- Manchester
- Subject expert
- Nodal officer
- University theory examiner

21. Faculty recharging strategies (UGC/ ASC, Refresher /orientation programs, workshops, training programs and similar programs).

Sr. No.	Name	Seminars/Conference/workshops
1	Dr.C.R.Patil	39
2	Dr. P.B.Kale.	15
3	Dr. Dr. V.A.Patil.	16
4	Dr. S.K.Khade.	15
5	Dr. S.T.Ingale.	17
6	Miss.M.Y.Shinde	07
7	Miss.A.V.Kattee	04
8	Mrs.Dopare D.S.	04
<b>Total</b>		<b>117</b>

**22. Awards /recognitions received at the national and international level by**

Faculty -

Sr. No.	Name of Guide	Number of students guided for Ph.D.
1	Dr. C. R. Ptil	05(01 Awarded)

  

Year	Seminars/Conferences/Workshops	source of funding
2012-13	Two Day National Conference on Biodiversity Conservation for livelihood	UGC
2015-16	Workshop on revised syllabus of B.Sc.-III	Lead college scheme Shivaji University, Kolhapur
2016-17	Workshop on Garden Development and nurturement	Lead college scheme Shivaji University, Kolhapur

  

2	Dr. S. K. Khade	05
3	Dr. S. T. Ingle	02

**23. Seminars/Conferences/Workshops organized and the source of funding (national\international) with details of outstanding participants, if any.**

**24. Student profile programme-wise:**

Sr. No.	Year	Course Name	Application Received	No. of students Admitted	%
1	2016-2017	M.Sc.I	08	08	Pass-04,ATKT-2,Fail-2
2	2017-2018	Msc.II	08	08	
3	2017-2018	M.Sc.I	18	18	

**25. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:----**

**26. Present details of departmental infrastructural facilities with regard to**

- (i) Library: Central (Common) Library.
- (ii) Internet facilities for staff and students---Yes
- (iii) Total number of class rooms-02, Laboratories: 03
- (iv) Class rooms with ICT facility-01
- (v) Students' laboratories: 03
- (vi) Research laboratories: 01

27. List the distinguished alumni of the department (maximum 10)

Sr. No.	Name of the student	Placement area	Title of post
1.	Miss. Madhumati Y. Shinde	D. K. A. S. C. college, Ichalkaranji	Assistant Professor in Botany
2.	Miss. Amrapali V. Katti	D. K. A. S. C. college, Ichalkaranji	Assistant Professor in Botany
3.	Mr. Ketan Jadhav	D. K. A. S. C. college, Ichalkaranji	Assistant Professor in Botany
4.	Mr. Mapate Sanjay Shamrao	Vidyamandir, Kabnoor	Assistant Teacher
5.	Miss. Snehal Patil	Vanita Agro, Takwale	Lab technician
6.	Miss. Jyoti Mane	Vanita Agro, Nashik	Lab technician
7.	Mr. Rajan Pattekari	Kirloskar Company	Lab technician
8.	Dr. Vishal T. Aparadh	Shri. Pancham Khemraj Mahavidyalaya, Sawantwadi.	Assistant Professor in Botany
9.	Dr. Mahendra Bhise	Late Kumari Durga K. Banmeru Science College, Loni road, Lonar.	Assistant Professor in Botany
10.	Prof. Rajendra S. Patil	D. K. T. E. Ichalkaranji	Professor

28. Give details of student enrichment programmes (special lectures/ workshops/seminar) involving external experts.

Sr. No.	Name of Scientist	Name of Topic	Date
1	Dr.Absar Ahmad	Bioinspired in organic Nano material synthesis and their application in imaging diagnosis and therapeutics.	14/12/2012
2	Dr.Ch. Ramesh	Climate change and fungal biodiversity	14/12/2012
3	Prof.S R Yadav	Plant resources of the western ghats and the roll of educational institute in their conservation	14/12/2012
4	Dr.C B Salunkhe	Botanical gardens of the word past ,present and future.	15/12/2012
5	Dr.M M Sardesai	Plant diversity of Panhala fort and roll of muncipal council in conservation	15/12/2012
6	Dr.S.R.Yadav.	“Wonders of Nature”	22/08/2014
7	Dr. V. B. Simpale	Biodiversity Conservation”	22/07/2015
8	Dr. D. K. Gaikwad	“Redioactive Isotopes”	04/10/2016
9	Dr. C. B. Salunkhe	“Garden development and Nurturement”	30/08/2016

29. List the teaching methods adopted by the faculty for different programmes.

1. Board-Chalk method
2. Group discussion
3. Power point presentation

4. Questionnaires
5. Students Seminar
6. Project work
7. Unit Test
8. Surprise test
9. Pre-semester examination
10. Internal semester Assessment (M.Sc.)
11. Home-Assignment
12. Lecture made available on you tube
13. Demonstration and model making
14. Mock teaching
15. Problem solving method
16. Internet is used for collection of required additional information on seminar and projects.
17. Google Classroom
18. Audio-video Lectures

30. Give details of "beyond syllabus scholarly activities" of the department.

- A) Debate Competition: 2011-12 to 2015-16
- B) Group discussion
- c) MCQ
- d) Seminars etc
- e) Projects
- g) Poster/Paper Presentation

31. SWOC Analysis of the department.

**SWOC analysis and future plans of the department**

**Strengths**

1. Well Qualified faculty: 04 Recognized Research guides
2. P. G. programme in Botany
3. Recognized research laboratory.
4. Consultancy services provided
5. Three Certificate Courses: **"Nursery Technique" 2016-2017, "Medicinal Plants" 2016-2017 and "Bonsai Technique" 2017-2018**
6. Rich Museum
7. Linkages with industries:-MOU with Ambica Nursery Ichalkaranji, Sajeew Nursery Kolhapur, Nikhil laboratory, Sangli and Balaji Clinic, Kolhapur
8. Departmental library (**Reference books: 111 + Text books: 21**)
9. Faculty active in research activities, publication of books: **Papers: 79 and Books: 21**

10. Organized national conference. Two day National conference on Biodiversity Conservation for livelihood
11. Department conduct —Tree census of Ichalkaranji city.
12. Department provides coaching for M. Sc. entrance examination.
13. Lab to Land programme: **03 Dr C. R. Patil, Dr. P. B. Kale, Dr V. A. Patil**

### **Weaknesses**

1. Laboratory yet to be well equipped

### **Opportunities**

1. Enrichment of departmental library
2. To start NET/SET guidance center.
3. To strengthen research activities.
4. To start plant clinic

### **Challenges**

1. To conduct National and international Conference / Seminars.
2. To start Career oriented certificate course.

### **Future plans of the department.**

1. Renovation and extension of research laboratory.
2. Campus beautification
3. .To Initiate Collaborative and Interdisciplinary research activities.
4. Workshop on Fungi Taxonomy

### **Compliance to SWOC**

1. Laboratory is well equipped
2. Departmental library is enriched with Reference books: 111 + Text books: 21
3. NET/SET guidance yet to be started
4. Strong research activities by department
5. Protocol for plant clinic is ready
6. C.O.C. in Bonsai technique is started for M.Sc.  
C.O.C. in Bonsai technique is continued for B.Sc.
7. Research laboratories are renovated.
8. Campus beautification is in progress.
9. Botany department is collaborated for research activity with Chemistry department
10. Workshop on fungi Taxonomy is progressed to be organized in Dec.2017 and Jan.2018