

DEPARTMENT OF BOTANY

1. Year of Establishment : 1990
2. Names of Programmes / Courses offered : i. B.Sc. ii. M.Sc .
iii. M.Phil iv. Ph.D.
3. Pattern : i. B.Sc. Semester
ii. M.Sc. Semester & CBCS
4. Faculty Profile :

Name	Qualification	Designation	Specialization	Experience	No.of P h.D. Students
Dr.Mrs. M.M.Ghatge	M.Sc. M.Phil, Ph.D.	Head & Associate Professor	Mycology & Plant Pathology	26	02 (Ongoing)
Dr. V.S.Salunkhe	M.Sc., B.Ed. , M.Phil, Ph.D.	Associate Professor	Angiosperm	26	-
Dr. R. R. Jadhav	M.Sc. Ph.D.	Associate Professor	Mycology & Plant Pathology	26	-

5. List of Visiting Faculty : On clock hour basis

Sr. No.	Name	Qualification	Designation	Specialization	Experience
1	Mr. F.Y. Shaikh	M.Sc. B.Ed	Assi. Professor	Plant Physiology	5
2	Mr. H.S.Joshi	M.Sc.	Assi. Professor	Cytogenetics and Plant Breeding	5
3	Mr.V.L. Kalase	M.Sc.	Assi. Professor	Mycology and Plant Pathology	5
4	Mr.A.N.Madane	M.Sc.	Assi. Professor	Cytogenetics and Plant Breeding	5
5	Miss. B.S. Patil	M.Sc.	Assi. Professor	Plant Physiology	3
6	Miss.P.A.Kadam	M.Sc.	Assi. Professor	Plant Protection	3
7	Miss. P.L. Thorat	M.Sc.	Assi. Professor	Biodiversity	3
8	Miss. S.R. Nikam	M.Sc.	Assi. Professor	Biodiversity	2
9	Miss. R.D. Degaonkar	M.Sc.	Assi. Professor	Plant Protection	3

6. Research Projects Completed

: Major Research Project

Sr. No.	Faculty	Title of the Project	Funded by	Period	Amount Utilized
1	Dr. Mrs. M.M. Ghatge	Metal tolerance studies of some Roadside plants along Pune- Kolhapur Highway	UGC	2012-2015	10,80800/-

7. Publications

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Sr. No.	Name of the faculty	Title of the Paper	Name of the Journal	Vol. No. and Year	Level of the Journal
1	Dr.Mrs. M.M.Ghatge Dr.V.S. Salunkhe Dr.R.R. Jadhav	Diversity of airborne fungi in Kadegaon Tahsil, District Sangli, M.S. India.	Research Journal of Biological Sciences	2(7) 26-29, 2013	International ISSN 2319-1414 , IF-3.98
2	Dr.V.S. Salunkhe Dr.M.M. Ghatge Dr. R.R. Jadhav	Occurrence of two species of Brachyphyllum , Lindley and Hutton (1836) Ex Brongniart (1828) from Uttatur Formation , Tamilnadu , India	Research Journal of Biological Sciences	Vol. 2, No.4, 2013; 72-73	International ISSN 2278-3202 , IF- 3.98
3	Dr. R.R. Jadhav Dr. M.M.Ghatge Dr.V.S. Salunkhe	Documentation of traditional knowledge of herbal plants in Kadegaon Thahasil, Sangli District	Flora and Fauna	Vol.20, No.2, 2014	International ISSN 0971-6920
4	Dr.M.M. Ghatge Mr.F.Y. Shaikh	Antinutritional status of medicinal plant Canthium coromandelicum (N. Brum.) Alston.	Flora and Fauna	Vol.20, No.2, 2014	International ISSN 0971-6920
5	Dr. M.M.Ghatge Dr.V.S. Salunkhe Dr. R.R. Jadhav Mr.F.Y.Shaikh	Preliminary survey of road side plant along Pune Kolhapur Highway (M.S.) India	Cyber times	Vol.7, No.2, 2014	International ISSN- 2278-7518 , IF-5.94
6	Dr. R.R. Jadhav Dr.M.M. Ghatge Dr. V.S.Salunkhe	A survey on traditional medicinal plants used for the survey on traditional medicinal plant used for the treatment of diabetes in Kadegaon Tahasil, Sangli Dist. (M.S.)	Proceedings of Environmental Biotechnology	2014 191-94	National ISBN-978-81-8498-412-6
7	Dr. V.S.Salunkhe Dr.M.M. Ghatge Dr. R.R. Jadhav	Effect of natural calamities on biodiversity of south western Maharashtra, India	Natural Calamities and its Management in India	2014 123-124	National ISBN-978-93-5196-1-9

8	Dr.M.M. Ghatge Dr.V.S. Salunkhe Dr. R.R.Jadhav Mr.F.Y.Shaikh	Zinc accumulation pattern in some road side plant along Pune -Kolhapur highway	Researches in Biosciences, Agriculture & Technology	Vol. II Issue (7) May 2015	International ISSN- 2347- 517X
9	Dr.M.M. Ghatge Dr. V.S. Salunkhe Dr. R.R. Jadhav Mr.F.Y.Shaikh	Co-relation in chlorophyll pigment and Mg ⁺⁺ content of some road side plant along Pune - Kolhapur highway	International Journal of Advances in Plant Sciences	2016 370-373	International ISBN 978-81- 924850-2- 7
10	Dr.M.M. Ghatge Mr.F.Y.Shaikh	Study of Photosynthetic pigments in Duranta plumieri and Nerium oleander mill. Along pune-Kolhapur highway.	An international Multidisciplinary e-journal	Vol.I, Issue. II, March 2016	International ISSN: 2455-443 X IF-2.07
11	Dr. V.S. Salunkhe	Impact of Climate Change on Medicinal Plants - A review	Natural Calamities and its Management in India	2014 142-143	National ISBN- 978-93- 5196-491- 9
12	Dr. V. S. Salunkhe	Studies on Biodiversity of Yashwantrao Chavan Sagarshwar Sanctuary Southern Maharashtra, India	Researches in Biosciences, Agriculture & Technology	II (7) 2015	International ISSN- 2347- 517X
13	Dr. V.S. Salunkhe Dr. R.R. Jadhav	Impact of Climate Change on Medicinal Plants - A review	Natural Calamities and its Management in India	2014 142-143	National ISBN- 978-93- 5196-491- 9
14	Dr. R.R. Jadhav	Effect of Mycoflora on alkaloid content artificially infested root of Rauwolfia serpentina (L) Benth.ex.Kurz.	Journal of Medicinal Plant studies	Vol.3 (6) 110-113, 2016	International ISSN 2320-3862 I F-5.69
15	Dr. R.R. Jadhav	Ethnobotanical & Ethnomedicinal survey of Kadegaon Tahsil Sangli (M.S.) India	International Journal of Medicinal Plant studies	Vol.4(1)1 1-14 2016	International ISSN 2320-3862

					IF-5.69
16	Mr. A.N. Madane	Assessment of solvent solubility by using phytochemical screen tests of some Euphorbiaceae members	Asian J. Pharm. Res.	Vol.3 , Issue 2 Pages 53-55 Year : 2013	National ISSN-2455-3891 IF- 0.48 (SCImago , SJR 2015)
17	Mr. A.N. Madane	Allelopathic potential of <i>Eupatorium odoratum L.</i> on germination of <i>Cicer arietinum L.</i> (Chick pea)	Flora and Fauna) ISSN-0971-6920)	Vol.20, Spical issue pages 28-30 (2014)	Internatio nal
18	Mr. A.N. Madane	Antifungal activity of <i>Eupatorium odoratum L.</i> and <i>Hyptis suaveolens (L.)</i> Poit. against <i>Aspergillus niger</i> and <i>A. flavous</i> .	Flora and fauna (ISSN-0971-6920	Vol.20 No.2, Year (2014),Pages, 77-79.)	Internatio nal
19	Mr. A.N. Madane	Effect of <i>Hyptis suaveolens (L.)</i> Poit. and <i>Eupatorium odoratum L.</i> Leaf extracts on Seed Mycoflora of Legume Plants.	Bioscience Discovery (ISSN- 2229-3469)	Vol, 5(2): Pages ; 237- 240 (2014)	National IF- 0.092 (Universal)
20	Mr. A.N. Madane	<i>Hybanthus stellarioides</i> (Domin) P. I. Forst. (VIOLACEAE), a new distributional record for Maharashtra	Zoo's print (ISSN 0971-6378)	Vol : 29(11): Pages 28-29.(2014)	National
21	Mr. A.N. Madane	Characterization of <i>Colletotrichum truncatum</i> causing anthracnose in soybean	Indian Phyto pathology	Vol ,69 Issue 1, (2014)	National ISSN : 2248-9800
22	Mr. A.N. Madane	Influence of aqueous extract of <i>Eupatorium odoratum L.</i> on seedling development of <i>Cajanus cajan L.</i> Missp, var-ICPL 87.	Bionano Froniter	Vol.8,No .(3) 8 Pages : 133-135. (2015)	Internatio nal ISSN 0974-0678)
23	Mr. A.N. Madane	Allelopathic effect of <i>Eupatorium odoratum L.</i> on amylase activity during seed germination of <i>Cicer</i>	Bioscience Discovery	Vol., 8 No.1, pages 82-86	National

		arietinum L. and <i>Cajanus cajan</i> (L.) Millsp.		2017	
24	Mr. A.N. Madane	Effect of leaf extract of some plants on seed germination and seedling development of <i>Cajanus cajan</i> (L.) Millsp.	Journal of Science and Humanities	Vol no.1 issue 1 pages 2 to 62017	National
25	Mr. H. S. Joshi	Cytogenetics Of Two Endemic Barleria Species (Acanthaceae) From The Northern Western Ghats (India).	Caryologia	Vol. 69, Iss. 2,2016 170-174	International ISSN: 0008-7114

8. Areas of Consultancy :

1. Identification of diseases and pest of crops & its management
2. Conservation and identification of medicinal plants

9. Academic Membership :

Sr. No.	Faculty	
1	Dr. M.M.Ghatge	1. Life Member of Indian Women Scientist Association 2. Life Member Botany Association
2	Dr. V.S. Salunkhe	1. Life Member of Swami Botanical Club

10. Awards Received by the Faculty : Dr. M. M. Ghatge

1. **Bhaskar Award** for educational Excellence by Journalist foundation,Pune on 29th May 2012.
2. **Star Icon Award** for educational achievements by Maharashtra JournalistFoundation, Pune on 15th August 2015 .

11. Seminars / Conferences / Workshops Organized:

- UGC sponsored National Seminar on 'Recent trends in Biodiversity and Environmental Science' on 3rd to 4th October, 2013
- Workshop on Revised syllabus of B.Sc.I on 25th November 2013