

## DEPARTMENT OF BOTANY

1) Name of the Department : Botany

2) Year of Establishment : 2001

### 3) Scope and importance of Botany:

Botany is the foundation of other Branches of life Sciences. Unless one has Taxonomic Knowledge of the Plant it becomes difficult to Study. The Taxonomic Data is useful in –

- Pharmacognosy –
- Inventory of ethno medicinal plants Screening of medicinal plants.
- Photochemistry is useful in manufacturing botanical drugs.
- Agricultural sector - To know the wild relatives of cultivated plants.
- Use of Systematics data such as chromosome number, molecular biology in the hybridization process.
- Preparation of germplasm of crop plants.
- Forestry Identification of each and every plant in the forest. Study of their distribution and abundance.
- Environmental Science Study the plant diversity Conservation of RET plants. Identification of Biodiversity hotspots.
- Other fields are molecular biology and genetic Engineering.

Taxonomy literature Taxonomic literature can be defined as Botanical work associated with identification, classification and determination and use of correct botanical name of a tax on.

### Various Specializations in Botany:

Population Genetics	Classic Genetics
Cytogenetic	Microbial Genetics
Molecular Genetics	Molecular Structure
Medical Genetics	Human Anatomy
Human Genetics	Taxonomy
Physiology	Economy Botany
Mycology	Plant Pathology
Forestry	Plant Bacteriology
Plant Breeding	Ethno Botany

## 4) Introduction of the department

**Established in year: 2001**

The Department of Botany was established in June, 2001. Science Faculty in the college received grants from UGC from 2010. Since the establishment, Botany Department has tried to enrich the knowledge of students regarding the plants, their importance to human beings and its role in the environment. The department is actively participating in curricular and co-curricular activities like teaching, evaluation, study-tours, collection of plants, biodiversity conservation studies and various seminars. Our department is also contributing regarding awareness of environment and its conservation in the students by different ways.

### **Mission & Goals**

- ✓ Main focus of the department is to inculcate the desire for knowledge in the minds of students comes from rural area.
- ✓ It aims the promotion of intellectual, cultural and educational development of the youths
- ✓ **Regular Activities:**
- ✓ To aware the youths as well as society about the importance of plants and environment.
- ✓ To prepare and execute annual teaching plan of course content.
- ✓ To prepare an academic calendar for the implementation of annual teaching plan of course content.
- ✓ To evaluate teaching learning process.
- ✓ Use modern teaching methods to enrich teaching process by making it more effective.
- ✓ To implement internal assessment system for evaluation of students, so as to locate slow learners and fast learners.
- ✓ To arrange and conduct seminars, conferences, workshops, research projects related to life sciences.
- ✓ To update laboratories with modern science equipments and to make the students familiar with them.
- ✓ To implement teachers self-appraisal to evaluate their overall performance.
- ✓ To organize botanical tours to renowned Research Institutes, laboratories, Universities and to the places of botanical interest.
- ✓ To organize scientific deliberations of eminent scientists in the field of botany.
- ✓ To inspire students to participate in poster, wall magazine, science quiz, science exhibitions and other competition

### **Highlights of Departments**

- ✓ Consistent excellent results of students.
- ✓ About 400+ students get admission for Bachelors degree.
- ✓ Well-equipped UG and Research laboratories.
- ✓ Modern teaching aids like L.C.D. Projector and PPT of lectures are available.
- ✓ Teaching staff with strong research back ground.
- ✓ Completed 3 Major Research Projects and 2 minor research projects.
- ✓ University recognized research center with 3 Ph.D. guides and 14 Ph.D. students.
- ✓ Departmental Library facility with around 189 books/journals

**5) Detail of Programmes / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., Short term courses, Career oriented courses, etc. (Current academic year i. e. 2021- 2022)**

Sr. No	Program level	Name of the programme/ Course	Duration	Entry qualification	Medium of Instruction	No. of Student admitted
1	UG	B.Sc.	3Years	12th Pass	English	
2	PG	M.Sc.	2 Year	B.Sc. Botany	English	
3	Ph.D.	Ph.D.	4 Years	P.G Botany	English	

**6) Faculty profile with name, qualification, designation, specialization**

Sr. No.	Name of the Faculty	Qualification	Designation	Specialization
1.	Prof.S.A.Kamble	M.Sc. Ph.D.	Professor	Applied Mycology
2.	Dr.B.T.Pawar	M.Sc. Ph.D.	Assistant Professor	Plant pathology
3	Dr.S.N. Solanke	M.Sc. Ph.D.	Assistant Professor	Angiosperms

**7) Details of academic support staff (technical) and Administrative staff sanctioned and filled**

Sr. No.	Name of staff	Designation
1	Mr. Shejul P,G.	Laboratory Assistant
2	Mr. More G.S.	Laboratory Attendant

**8) Student profile program/ course wise: (2016 -17 to 2021 - 22)**

Academic Year	Name of the Course / Program	Enrolled		Total
		M	F	
2016 -17	B.Sc.F.Y.	127	79	206
	B.Sc.S.Y.	89	67	156
	B.Sc.T.Y.	82	36	118(480)
2017-18	B.Sc.F.Y.	138	70	208
	B.Sc.S.Y.	49	48	97
	B.Sc.T.Y.	174	55	229
2018-19	B.Sc.F.Y.	94	76	170
	B.Sc.S.Y.	80	46	126
	B.Sc.T.Y.	40	13	53

2019-20	B.Sc.F.Y.	34	52	86 (69)
	B.Sc.S.Y.	75	52	127(25)
	B.Sc.T.Y.	84	42	126(01)
2020-21	B.Sc.F.Y.	149	92	241
	B.Sc.S.Y.	142	91	233
	B.Sc.T.Y.	171	93	264
2021-22	B.Sc.F.Y	102	108	210
	B.Sc.S.Y.	68	52	120
	B.Sc.T.Y.	66	47	113

#### 9) Details of student Result (2016 -17 to 2021 - 22)

Academic Year	Name of the Course/Program	No. of students appeared	Total no. of students passed	Percentage
2016 -17	B.Sc.F.Y	206	165	80
	B.Sc.S.Y	156	233	85
	B.Sc.T.Y	118	95	80
2017-18	B.Sc.F.Y	208	179	86
	B.Sc.S.Y	97	80	82
	B.Sc.T.Y	229	183	80
2018-19	B.Sc.F.Y	170	153	90
	B.Sc.S.Y	126	110	87
	B.Sc.T.Y	53	48	91
2019-20	B.Sc.F.Y	86	67	80
	B.Sc.S.Y	127	105	83
	B.Sc.T.Y	126	99	79
2020-2021	B.Sc.F.Y	241	210	87
	B.Sc.S.Y	233	186	80
	B.Sc.T.Y	264	224	84

#### 10) Student-Teacher Ratio (Program wise): (2016 -17 to 2021-2022)

Year	First Year	Second Year	Third year
2016-17	(68:1)	(51:1 )	(39:1)
2017-18	(66:1)	( 32:1 )	( 76:1 )
2018-19	(56:1)	( 42:1)	( 14:1)
2019-20	(28:1 )	( 42:1 )	( 42:1)
2020-21	(80:1)	( 74:1 )	( 88:1 )

**11) Research papers published in journals notified on UGC website (2016-17 to 2021-22)**

Sr. No.	Name of Journal	Title of Research Paper	ISSN/ ISBN No.	Whether peer Reviewed. Impact Factor, if any
<b>I. Prof. S. A. Kamble</b>				
1	International journal of advance and innovative research vol.5 issue 1(iii);Jan-Mar 2018	Screening of Bio deterioration of Paper Material in College Library	ISSN: 0250-9768	Peer Reviewed.
2	Bionano Frontier	Physiological Response of ground nut (Arachis hypogea) L to the application of fertilizers.	ISSN: 0250-9768	Peer Reviewed.
3	Bionano Frontier	Airborne particles in the industrial Area.	ISSN: 0250-9768	Peer Reviewed.
4	Ijaes	Ecology Of Sugarcane Crop (Saccharum Officinarum Linn.)Dry Matter Production	ISSN: 0976-4755	peer Reviewed
5	Multilogic In Science	Screening Of Bio-Components In The Atmosphere of Parbhani City	ISSN: 0976-4755	peer Reviewed
6	Plantae scientia	Nutraceutical Investigations of Commelina difussa Burn. Leaves- A popular Wild vegetable	ISSN: 0976-4755	peer Reviewed
7	V.P.College, Vaijapur IQAC,Conf.Proceedings	Approach to Different Types of Evaluation methods in Higher Education	ISSN 0251-1223	peer Reviewed
8	International journal of advance and innovative research	Combined effect of seed fortification with MO (molybdenum) and foliar application of Zinc (Zn) and iron (Fe) on nutrient uptake by soybean (Glycine max) crop	ISSN 227-5641	peer Reviewed
9	International Journal of Advance & Innovative Research 153-159, July-Sept.,2015	Foliar Application of Minor Elements and its Effects on Essential Elements Uptake by Soybean Crop	ISSN: 2229-3469 (Print); ISSN: 2231-024X(Online) From IF: 0.675	peer Reviewed
10	International Journal of Advance & Innovative Research 126-128 July-Sept.,2015	Study of the Aeromicroflora by using Different Types of Air Samplers	ISSN 2321-8045	peer Reviewed
11	International Journal of Advance & Innovative Research160-163 Oct-Dec.,2017	Effect of micronutrients on availability of major elements in soil at growing stages in maize (Zea mays) crop	ISSN: 2349-5162	peer Reviewed
12	Ajanta Vol. V Issue IV ISSN2277-5730 Oct.-Dec2016	Aerobiology in the Transmission of Infectious Diseases through Droplet Air Infection	ISSN: 23947780	peer Reviewed

## II. Dr. B. T. Pawar

1	Vidyawarta, 17(8): 75-83	Identification target drought tolerant genes in Wheat landraces with <i>In-silico</i> analysis of highly up-regulated genes under drought stress conditions in Wheat	Print: ISSN: 2319-9318	International Impact Factor:4.014
2	\World Journal of Pharmacy & Pharmaceutical Science, 5(11): 816-819	Antifungal activity of Flax seed extract against Seed-borne Pathogenic Fungi	Online: ISSN: 22784357	International Impact Factor: 6.041 UGC Approved (UGC- List No. 48793)
3	Power of Knowledge, 2(16): 38-44	An insight on wheat yield loss due to drought stress and its solutions through Biotechnology	Print: ISSN: 23204494	International UGC Approved (UGC- List No. 45681)
4	IOSR Journal of Environmental Science, Toxicology and Food Technology, 10(12): 32-34	Chemical Properties of Gums Collected from Some Medicinal Plants	e-ISSN: 2319-2402, p- ISSN: 2319-2399	International Impact Factor: 3.462
5	Apoorv Knowledge	<i>In-silico</i> identification of highly up-regulated genes under drought stress conditions in Wheat	Print:ISSN: 2342702	International
6	Bioscience Discovery, 8(1): 55-60	Halophilic bacteria in salt stressed soils of Aurangabad district (MS) India	Print: ISSN: 2229-3469 Online: ISSN: 2231-024X	Impact Factor: 3.29 UGC Approved (UGC- List No. 14868)
7	International Journal of Science & Engineering, Spl.Issue A6: 39-42	Qualitative Analysis of Chemical Compounds of Gums Collected from Plants of Ajantha Forest	Online: ISSN: 2322-0015	International Impact Factor:6.68 UGC Approved (UGC- List No. 63628)
8	International Journal of Science & Engineering, Spl.Issue A6: 43-45	Antifungal activity of <i>Calotropis gigantea</i> leaf extract against seed-borne pathogenic fungi	Online: ISSN: 2322-0015	International Impact Factor: GIF: 0.876 UIF: 0.9804
9	Bulletin of Environment, Pharmacology and Life Sciences, 7(7): 42-44	Report of Fungal Diseases of Mango from Marathwada Region of Maharashtra	Online: ISSN: 2277-1808	International Impact Factor: GIF: 0.876 UIF: 0.9804
10	International Multidisciplinary E-Research Journal, Research Journey, Spl. Issue 120: 61-64	Studies on Various Strains of Rhizobium spp. from Aurangabad District (M.S.)	Print: ISSN: 2348-7143	International Impact Factor: 6.261 UGC Approved
11	International Multidisciplinary E-Research Journal, Research Journey, Spl .Issue 120: 65-68	Halophilic bacteria in salt stressed soils of Jalna district	Print: ISSN: 2348-7143	International Impact Factor: 6.261 UGC Approved
12	Journal of Global Resources, 5(2): 4-7	Effect of Gums on Amylase activity collected from Ajanta Forest	Print: ISSN: 2395-3160	Biannual International UGC Care Listed Journal in Group D
13	Think India Journal, 22(Spl.31): 441-446	Effect of Gums on Amylase activity collected from Ajanta Forest	Print: ISSN: 0971-	International UGC Care Listed

			1260	Journal
14	Characterization of Rhizobium spp. from Gangapur Taluka, Dist. Aurangabad	Characterization of Rhizobium spp. from Gangapur Taluka, Dist. Aurangabad	Print: ISSN NO:0886-9367	International UGC Care Listed Journal (Download UGC-CARE Group 'II' Journals List: UGC-CARE Group 'II' Journals list -Serial No. 36272)
<b>III. Dr. S. N. Solanke</b>				
01	J. Econ. Taxon. Bot. Vol.30 No. 3 – From 717 To 726	Novelties of Cyperaceae- II	ISSN: 0250-9768	Peer Reviewed. IF: 0.567
2	J. Econ. Taxon. Bot. 30 No.4 – From 859 To 864	Novelties of Cyperaceae – III	ISSN: 0250-9768	Peer Reviewed. IF: 0.567
3	J. Econ. Taxon. Bot. Vol.31 No.3 – From 598 to 612	Genus <i>Scleria</i> Berg. (Cyperaceae) in Peninsular India, Rest of Maharashtra and Andaman	ISSN: 0250-9768	Peer Reviewed. IF: 0.567
4	Bioinfolet 5(2) 103 to 107p	Novelties in Cyperaceae – VIII a new variety and a new record	ISSN: 0976-4755	Peer Reviewed. IF: 0.873
5	Bioinfolet5 (3) 294 To 305	<i>Scirpus articulatus</i> (S.L.)- A complex in Cyperaceae	ISSN: 0976-4755	Peer Reviewed. IF: 0.873
6	Bioinfolet 6 (3) – From 201 To 204	Two New Varieties of <i>Fimbristylis ligulata</i> Govind. (Cyperaceae) from Western Ghats	ISSN: 0976-4755	Peer Reviewed. IF: 0.873
7	Geobios – From 260 To 264	Dermatological Studies In Genus <i>Alysicarpus</i> Desv.	ISSN 0251-1223	Peer Reviewed. IF: 0.075
8	DAV International Journal of Science- From 81 To 84	Enumeration of leaf Architecture in the genus <i>Alysicarpus</i> Desv.]	ISSN 227-5641	Peer Reviewed. IF: 0.065
9	Bioscience Discovery 352 to 357p	Four Species of Cyperaceae as New Record for Andhra Pradesh, India.	ISSN: 2229-3469 (Print); ISSN: 2231-024X(Online) From IF: 0.675	Peer Reviewed. IF: 0.675
10	Science Park 129 to 132p	The Spectrophotometric Quantification of Chlorophyll and Carotenoids from Cultivated some legume and Non-Legume fodders,	ISSN 2321-8045	Peer Reviewed. IF 3.87
11	JETIR Online Journal	New Distributional Records of <i>Scirpus</i> Linn., For Beed District of Maharashtra	ISSN: 2349-5162	Peer Reviewed. IF 5.87
12	International Journal of Advance and Innovative Research	In Vitro Studies in <i>Cochlospermum religiosum</i> (Linn)	ISSN: 23947780	Peer Reviewed. IF 7.36
13	International Journal of Advance and Innovative Research	Distribution of Sedges Near Jaikwadi Dam in Aurangabad District of Maharashtra	ISSN: 23947780	Peer Reviewed. IF 7.36

14	International Journal of Advance and Innovative Research	Effect of Plant Extracts on Germination of Oil Seeds	ISSN: 23947780	Peer Reviewed. IF 7.36
15	International Journal of Advance and Innovative Research	Quantitative Estimation of Bioactive Phyto constituents Present in <i>Dalbergia lanceolaria</i> Subsp. <i>Paniculata</i> (ROXB). Thoth. Methanolic Leaf and Bark Extract		Peer Reviewed. IF 7.36
16	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 6, Issue 2 (XXXIX)	Incidence of <i>Aspergillus</i> species on seeds of pulses from Marathwada region	ISSN 2394-7780	Peer Reviewed. 7.36 April-2019
17	Journal of Emerging Technologies and Innovative Research (JETIR) Vol. 6, Issue 2 (XXXIX)	Study of family Cyperaceae from sakuna dam, Aurangabad of Maharashtra, India.	ISSN 2394-7780 IF 7.36 April -2019	Peer Reviewed. IF 7.36 April -2019
18	Think India Vol. 22, Special issue 31	The quantitative measurement of leaves Chlorophylls and Carotenoids some leguminous fodders crop by Spectrophotometry	ISSN 0971-1260	Peer Reviewed. IF5.9 Dec. 2019
19	Word Journal of Pharmaceuticals and Life Science Vol. 7, issue 3, 57-58p	Additional of sedges for Aurangabad district, Maharashtra, India	2454-2229	Peer Reviewed. IF 6.1 2021
20	Journal of Emerging Technologies and Innovative Research (JETIR) Volume 8, Issue 9, c1-c20p	Taxonomic Study of Genus <i>Scirpus</i> Linn. From Beed District of Maharashtra	ISSN- 2349-5162	Peer Reviewed. IF 7.95 Sept. 2021

#### IV. Dr. P. P. Sharma

1	BOBSI., 41(1-4) ; 183-188.	Additions to the Flora of Dadra and Nagar Haveli (U.T.).		Peer Reviewed.
2	Part - I, (A-K). Ethnobotany,11; 109-114.	Less known Ethno botanical Uses of plants in Dadra and Nagar Haveli (U.T.)		Peer Reviewed.
3	Part-II, (L-Z).Ethno botany, 12 ; 81-85.	Less-known Ethno botanical Uses of plants in Dadra and Nagar Haveli (U.T.).		Peer Reviewed.
4	Ethnobotany,12 ; 51-55. 2000	A review of Parallel and unique indigenous uses of 25 plants in India and some parts of Africa.		Peer Reviewed.
5	Journ. of Econ. Tax. Bot., 21(2 );33-40. 2001	Some less-known herbal drugs: Plants used in combination by tribals of Dadra and Nagar Haveli (U.T.).		Peer Reviewed.
6	Journ. of Econ. Tax. Bot., 25(1) ; 221-224. 2001	Plants used for stupefying fish by Tribals of Dadra and Nagar Haveli (U.T.).		Peer Reviewed.
7	Ethnobotany. 13;121-125. 2001	). Ethno medicinal uses of some edible plants from Dadra, Nagar Haveli and Daman (U.T.).		Peer Reviewed.
8	Phytotaxonomy. 2 ; 126-127. 2001	Unique monster fruits of <i>Wrightia tinctoria</i> R.Br.		Peer Reviewed.



9	Journ. of NTFP., 8(3/4) ; 150-153. 2001	Plants in Ethno veterinary Practices in Dadra and Nagar Haveli (U.T.)		Peer Reviewed.
10	Indian Journal of Traditional Knowledge.2(3) ; 292-296. (2003	Traditional knowledge and Plants - Observations from Toranmal Plateau, Maharashtra		Peer Reviewed.
11	Annals of Forestry 16(2): 301-305. 2008	Plants used for the treatment of wounds by the tribals of Toranmal, Nadurbar, Maharashtra		Peer Reviewed.
12	Phytotaxonomy, 13: 141-142, 2009	Unique Giant fruits of Moringa oleifera Lamk. (Moringaceae).		Peer Reviewed.
13	Ethnobotanical Leaflets 14: 29-45. 2010	Traditional Uses of Plants in Indigenous Folklore of Nimamabad District, Andhra Pradesh, India.		Peer Reviewed.
14	Annals of Forestry18(2): 263-269 (2010	Herbal Formulations Used in Treatement of Jaundice by Indigenous folklore of Nizamabad District, Andhra Pradesh.		Peer Reviewed.
15	Current botany2(4): 44-47. 2011	Bioprospection of Some Plants for Management of Aedes egypti L.,		Peer Reviewed.
16	Journ of Ecobiotechnology3(9):14-16. 2011	Dinesh Vijigiri and A. B. Pardeshi.(2011). Bioactivity of some medicinal plant extracts against Musca domestica L.		Peer Reviewed.
17	Recent Research in Science and Technology4(10): 21-24. 2012	Indigenous traditional practices for eco-friendly management of insect/pest in Maharashtra, India.		Peer Reviewed.
18	Indian Forester. 138(11): 1030-1032. 2012	Additions to the Flora of Nizamabad district, AP, India.		Peer Reviewed.
19	World Journal of Science and Technology , 2(6):15-18. 2012	). Study of some ethno-veterinary medicinal plants of Ahmednagar district of Maharashtra, India.		Peer Reviewed.
20	Recent Research in Science & Technolgoy 4(10):11-15. 2012	Plants in Child Care in Ahmednagar district, Maharashtra, India.		Peer Reviewed.
21	International Multidisciplinary Research Journal, 2(12):14-16, 2012	Plants used for bone fracture by Indigenous folklore of Nizamabad district, Andhra Pradesh.		Peer Reviewed.
22	World Journ.of Science & Technolgoy 2(6): 26-31. 2012	Ethno veterinary Plant Resources from Nizamabad district, AP, India.		Peer Reviewed.
23	Journal of Phytology 2012, 4(4): 17-20. 2012	Timber yielding plants and their utilities in Nizamabad district of Andhra Pradesh.		Peer Reviewed.
24	International Multidisciplinary Research Journal2(12):12-13. 2012	Some less-known plants parts as supplementary foods.		Peer Reviewed.
25	International Journal of	Plants Used in Medicine by Folklore		Peer

	Science & Pharma Educational Research (IJSPER). 1(3):19-24. 2012	of Ahmednagar district, Maharashtra.		Reviewed.
26	International Multidisciplinary Research Journal, 2(12):05-08. 2012	Some useful weeds from Ahmednagar district , Maharashtra, India.		Peer Reviewed.
27	International Journal of Pharmaceutical and Biological Sciences Fundamentals, 03 (1):30-34. 2013	Wild Tribal Food Plants of Adlilabad District, Andhra Pradesh, India.		Peer Reviewed.
28	Bioinfolet. 10 (4A):1121-1127, 2013	Floristic Diversity of Ahmednagar District Maharashtra.		Peer Reviewed.
29	International Journal of Pharmaceutical and Biological Sciences Fundamentals,03(01): 35-46. 2013	Host Diversity of Genus Cuscuta L. in Ahmednagar District, Maharashtra (India).		Peer Reviewed.
30	International Journal of Pharmaceutical and Chemical Sciences. 2 (3): 1488-1490. 2013	Traditional Knowledge of Medicinal Plants Used for the Treatment of Skin Diseases in Nizamabad District, Andhra Pradesh.		Peer Reviewed.
31	International Journal of Pharmaceutical and Chemical Sciences. 2 (3): 1491-1493. 2013	Traditional Uses of Bio fencing Plants in Indigenous Folklore of Nizamabad District, Andhra Pradesh, India		Peer Reviewed.
32	Bioscience Discovery, 4(2):250-253. 2013	Herbal formulations used in treatment of kidney stone by native folklore of Nizamabad District, Andhra Pradesh, India.		Peer Reviewed.
33	Science Research Reporter, 3(2):216-222. 2013	Plants Used in Treatment of Jaundice by Folklore of Ahmednagar district, Maharashtra, India.		Peer Reviewed.
34	Asian Joun. of Biomedical and Pharmaceutical Sciences. 3(22): 1-5. 2013	Indigenous Traditional Medicinal Plant Resources from Ahmednagar District, Maharashtra.		Peer Reviewed.
35	Science Research Reporter, 3(2): 142-145. 2013	Herbal Remedies Used in the Treatment of Scorpion Sting from the Nizamabad District, Andhra Pradesh, India.		Peer Reviewed.
36	International Journal of Universal Pharmacy and Bio Sciences3(1): 83-90. 2014	Natural Dyes: Traditional Indigenous Knowledge From Maharashtra, India.		Peer Reviewed.
4537	Discovery, 2014, 9(23), 58-64. 2014	Some underutilized Plant Resources as a source of food from Ahmednagar District, Maharashtra, India.		Peer Reviewed.
38	. International Journal of Universal Pharmacy and Bio Sciences 3(2): 55-59. 2014	Ethanobotanical Studies On Borassus Flabellifer L. Among The Folk Peoples Of Nizamabad District, Andhra Pradesh.		Peer Reviewed.
39	International Journal of Universal Pharmacy and Bio Sciences 3(6): 95-100. 2014	Less-known Ethnoveterinary Plant uses from Ahmednagar district, Maharashtra, India.		Peer Reviewed.
40	. Flora and Fauna, Vol. 20:	Ethnobotanical Studies of Family		Peer

	104-108. (Special issue). 2014	Asclepiadaceae in Ahmednagar District, Maharashtra, India.		Reviewed.
41	The South Asian Academic Research Chronicle Vol. 2 (9) 62-66. 2015	Academic and Administrative Audit for establishing Best Practices in Institutes		Peer Reviewed.
42	The South Asian Academic Research Chronicle Vol. 2 (11) 1-11. 2015	Studies on Plant Based Natural Colours.		Peer Reviewed.
43	The South Asian Academic Research Chronicle. Vol II Issue 12 December 2015. PP 1-14. 2015	Ethno Medicinal Survey of Vrudheshwar (Ghatshirur) Sacred Grove from Pathardi Tahsil in Ahmednagar District.		Peer Reviewed.
44	European Journal of Biomedical and Pharmaceutical Sciences. Vol. 2(1), 190-195. 2015	Traditional Knowledge in Treating Different Skin diseases from Ahmednagar District, Maharashtra, India.		Peer Reviewed.
45	Scholars World , Special Issue VI, January 2016 [29], 2. 29-32. 2016	Studies on Some Medicinal Plants Occurring In Sacred Groves of Ahmednagar District, Maharashtra,		Peer Reviewed.
46	Scholars World , Special Issue VI: 21-29. (2016	Utilitarian Aspects of Some Plant Resources from Toranma lplateau, Nandurbar District, Maharashtra, India.		Peer Reviewed.
47	The South Asian Academic Research Chronicle. Vol . 3 (2): 57-63. 2016	Ethno-musico-botanical studies fromToranmal region, Nandurbar District,Maharashtra, India.		Peer Reviewed.
48	Research Journey – A Multidisciplinary International Journal Special Issue – I (Science & Technology); 160-165. 2016	Phytochemical Analysis And Vite Estimation From Annona Reticulata L.		Peer Reviewed.
49	International Journal of Institutional Pharmacy and Life Sciences 6(1): 260-267. 2016	Traditionalknowledge of wild edible plants used in toranmal region of Nandurbar district, maharashtra, India.		Peer Reviewed.
50	Int. J. Pure App. Biosci. 4 (3): 93-96. 2016	Plants in Treating Skin diseases from Toranmal Plateau, Nandurbar district, Maharashtra, India.		Peer Reviewed.
51	Int. J. Pure App. Biosci. 4 (3): 93-96. 2016	Plants in Treating Skin diseases from Toranmal Plateau, Nandurbar district, Maharashtra, India.		Peer Reviewed.
52	Journal Of Advanced Scientific Research,7(2): 20-24. 2016	Studies On Total Lipid Content Of Some Wild edible Fruits Using Conventional And Ultrasound.		Peer Reviewed.
53	Part – I (A-D). Int. J. Pure App. Biosci. 4 (3): 182-187. 2016	Less known Uses of Some Exotic Plants from Ahmednagar District, Maharashtra, India.		Peer Reviewed.
54	International Journal of Advanced Research Biological Scienes, Vol 4(5): 583-590.	Studies on Ascorbic acid content of some Wild Edible Fruits from Ahmednagar district Maharashtra, India.		Peer Reviewed.
55	Int. J. Pure App. Biosci. 4 (4): 154-158. 2016	. Less known Uses of Some Exotic Plants from Ahmednagar District, Maharashtra, India.		Peer Reviewed.

56	India. International Journal of Advanced Research in Biological Sciences, Vol. 3(7): 14-20. (2016	Determination of Total Lipids from five underutilized wild edible fruits in Ahmednagar district, Maharashtra,		Peer Reviewed.
57	South Asian Academic Research Chronicle, vol 3(6): 6-15. 2016	Antiquity of some Exotic Plants in India.		Peer Reviewed.
58	International Journal of Current Research vol 8(7): 35433-35436. (2016	Exotic Plants in Human consumption from Ahmednagar District, Maharashtra, India.		Peer Reviewed.
59	European Journal of Biomedical and Pharmaceutical Sciences Vol. 3 (Issue – II) : 189-194, 2016	Studies on Carbohydrate and Protein Contents of Some Underutilized Wild Fruits		Peer Reviewed.
60	Bioscience Discovery. Vol. 8 (3):558-591. 2017	Status of some plants in Sacred Groves of Akole taluka, Ahmednagar and their comparative account with surrounding areas.	ISSN 2231–024X(e)	Peer Reviewed.
61	Trends in Biotechnology Research. Volume 6 (1): 32-35.2017	Management Of Household Pest Musca Domestica L. by Using Some Plant Extracts.	ISSN 2320–043X(e)	Peer Reviewed.
62	Biotechnology Research. Volume 6 (1): 1-4. 2017	Studies On Bioactivity of Some Plants Against Aedes Egypti L. Trends	ISSN 2320–043X(e)	Peer Reviewed.
63	Int. J. Pure App. Biosci. 5 (3): 2017	Management of Household Insect / Pests By Using Botanicals.		Peer Reviewed.
64	Bioscience Discovery, 8(3): 588-591. ISSN 2231–024X(e) 2017	Status of some plants in Sacred Groves of Akole taluka, Ahmednagar and their comparative account with surrounding areas.		Peer Reviewed.
65	. World Journal of Pharmaceutical Research Vol. 7(1) pp. 456-461. ISSN 2277–7105. 2017	Ecological Studies of Some Medicinal Plant Sepcies from Siddheshwar Sacred Grove of Parner, Ahmednagar, Maharashtra, India.	ISSN 2277–7105.	Peer Reviewed.
66	Science Park Research Journal, Special Issue 6(3) 91-94. 2018	Status of Some Medicinal Plants in and Outside Sacred Groves from Ahmednagar District of Maharashtra State.		Peer Reviewed.
67	Research Journey Vol 6 (3): 91-94. 2019	Quantitative Analysis and Distribution Pattern of Some Medicinal Plants from Ghatghar Forest, Ahmednagar, Maharashtra, India		Peer Reviewed.
68	in Int. Res. Journ of Science & Engineering, Special Issue A-9.: 75-80. (ISSN: 2322-0015). 2020	Phytosociological Studies of Some Medicinal Trees from Dongargan Sacred Grove from Ahmednagar district, Maharashtra, India	ISSN: 2322-0015	Peer Reviewed.
69	Int. Res. Journ of Science & Engineering, Special Issue A-9.: 75-80. (ISSN: 2322-	Utilitarian Flora Of Mahur Taluka, Nanded District, Maharashtra, India	ISSN: 2322-0015	Peer Reviewed.

	0015). 2020			
70	Int. Res. Journ of Science & Engineering, Special Issue A-9.: 223-226. (ISSN: 2322-0015). 2020	Cytotaxonomical Studies In The Genus Senecio L. from Maharashtra	ISSN: 2322-0015	Peer Reviewed.
71	" Sachitra Ayurved. 76 ; 14 - 16. 2001	"Bhartiya Paudhon Ke Kuch Alpagyat Aaushadhiy Upayog		Peer Reviewed.
72	Vanyajati,68 ; 17-23. 2000	Ethno-musico-botanical observations from Dadra and Nagar Haveli (U.T.).		Peer Reviewed.

## 12) Number of books and chapter in edited volumes/Books published (2016-17 to2021-22)

Sr. No	Title of the book/chapter published	National/int ernational	Year of publication	ISBN/ISSN No	Name Of the Publisher
	<b>Prof .S.A. Kamble</b>				
1	Agrochemicals, fertilizers and manures	National	14/04/2018	9789380876467	Educational publishers distributors Aurangabad
2	Steps in Genetics	National	20/02/2019	9788194197041	Educational publishers distributors Aurangabad
3	Plant biotechnology	National	09/10/2019	9788194197058	Educational publishers distributors Aurangabad
4	Mycology and Plant Pathology	National	14/04/2019	9789386751201	Excel Academy Publishers, Aurangabad
5	Plant Physiology	National	14/04/2019	9789386751218	Excel Academy Publishers Aurangabad
	<b>Dr.P.P.Sharma</b>				
1	Angiosperms, Histology, Anatomy and Embryology	National	2020		Educational Publication Aurangabad.
2	<i>Cryptogams,</i>	National	2020		Educational Publication Aurangabad

## 13) Details of research guides

Sr. No.	Name of Research guide	Date of Approval as research guide
1	Prof. S.A. Kamble ( joined on 12/09/2020)	PG/Ph.D/2020-21/4419-22 09/12/2020
2	Dr.B.T.Pawar	PG/Ph.D/2015/7672 05/08/2015
3	Dr Sawant R. J. (transferred to V.P. College Vaijapur )	PG/Ph.D/2014/6394/ 07/08/2014
4	Dr Sharma P.P. (on lien)	PG/Ph.D/2008/2273-74/ 03/12/2008

**14) Number of Ph. D/ M. Phil Awarded by faculty:**

Sr. No	Name of the Guide	Name of Ph.D/M.Phil. Scholar	Title of the Thesis	Date of registration of scholar	Date of awards of Ph.D/M.Phil.
1.	Miss. Sampada Kashinath Shejul	Dr. R. J. Sawant	Studies on Algal Diversity of Sukhana Dam, Dist.Aurangabad”	December , 2014	<b>Awarded 11 July 2019</b>
2.	Miss. Namrata Tukaram Pawar	Dr. R. J. Sawant	Study of Antimicrobial Properties of Some Medicinal Plants from Maharashtra	December , 2014	
3.	Miss. Sanghamitra Vasant Arak	Dr. R. J. Sawant	Studies on Fungal and Bacterial Diseases of Some Ornamental Plants in Aurangabad District, Maharashtra State	December , 2014	
4.	Mr. Mahesh Bhimraj Navale	Dr. R. J. Sawant	Studies on Fungal Diseases of Gerbera From Ahmednagar and Nashik District	December , 2014	
5.	Miss. Nilofar Bashir Pathan	Dr. R. J. Sawant	Management of Anthracnose of Tomato in Marathwada	December , 2014	
6.	Mr. Suresh Vithalrao Kale	Dr. B. T. Pawar	Development of Transgenic Wheat for Drought Resistance	December , 2014	
7.	Miss. Sai Suresh Swami	Dr. B. T. Pawar	Genetic Diversity & Characterization of Rhizobium spp. from Aurangabad District	December , 2017	
8.	Mr. Manoj Tukaram Kuchekar	Dr. B. T. Pawar	Genetic Diversity & Characterization of Azotobacter spp. from Aurangabad District	December , 2017	
9.	Mr. Sagar Rajendra Adik	Dr. B. T. Pawar	Studies on Effect of Nitrogen Fixing Endophytic Bacteria on the growth of Sugarcane for Ahmednagar District of Maharashtra	March 2022	
10.	Mr. Deshmukh Abhishekh Mohaniraj	Dr. B. T. Pawar	Genetic Diversity and control of Ralstonia solanacearum	March 2022	
11.	Mr. Dnyaneshwar Kailas Gunde	Prof.S.A.Kamble	“Genetic improvement of Niger (Guizotia abyssinica (L. F .Cass) by mutation breeding”	March 2022	
12.	Mr. Shubham Arun Gaikwad	Prof.S.A.Kamble	“Studies on Management of Some Fungal Diseases in Pulses”	March 2022	
13.	Mr Ashok Bajirao Kadam	Prof.S.A.Kamble	“Studies on Phytochemical and Pharmacognostic aspects in some species of genus Plectranthus”	March 2022	
14.	Mr. Dinesh Vijigiri	Dr. P.P.Sharma	Utilitarian Flora of Nizamabad District A. P.		17/03/2012
15.	Mrs. J.R. Mulay	Dr. P.P.Sharma	Weed flora and their utility aspects of Ahmednagar District,		07/08/2014

			Maharashtra		
16.	D. N. Gayake	Dr. P.P.Sharma	Ethonobotanical studies from Ahmednagar District, Maharashtra		06/11/2015
17.	Mr. V. Bankar	Dr. P.P.Sharma	Utilitarian Flora of Toranmal Plateau, Nandurbar, Maharashtra.		30/01/2016
18.	Dr. S. S. Medakkar	Dr. P.P.Sharma	Useful exotics of Ahmednagar, Maharashtra		2017
19.	Dr. Mrs. Anjali Thete	Dr. P.P.Sharma	An Assessment of Medicinal Plant Resources from Sacred Groves of Ahmednagar Dist, Maharashtra		2018
20.	Mrs. Vaishali Khilari	Dr. P.P.Sharma	Antioxidant properties and nutritional values of some wild edible fruits.		2019
21.	Ms. Lata Keshav Dhumal	Dr. P.P.Sharma	“Medicinal plants used by Tribals for child health care in Parner Tehsil, Ahmednagar district, Maharashtra		March 2022

#### 15) Seminars/ Conferences/Workshops organized & the source of funding

Sr. No.	Level National/ International/ State	Name of the workshop/Seminar	Funding agency	Amount sanctioned	Durations From-to	Number of participants
1	National	Recent Trends in Virology: COVID-19”	Self	-	18/05/2020 to 18/05/2020	60
2	National	Research Methodology	Self	-	Monday, 22nd February, 2021	268

#### 16) Seminar / Workshop / Conference Attended / presented a paper

Sr. No	Name of faculty	International	National	Total
<b>Presented Research Paper in Conference, Seminar, Workshop</b>				
1	Prof. S.A, Kamble	01	12	12
2	Dr. B.T.Pawar	05	45	50
3	Dr. Solanke S. N.	04	13	17
4	DR.R.J.Sawant	06	34	40
<b>Attended Conference, Seminar, Workshop</b>				
1	Prof. S.A, Kamble	2	22	24



2	Dr. B.T.Pawar	30	20	50
3	DR.R.J.Sawant	11	45	56
4	Dr. Solanke S. N.	07	44	51

**17) Faculty as chairman/members in National committees/International Committees/ Editorial Boards/BOS/University committees etc.**

Sr. No.	Name of faculty	Name of the body in which full time teacher participated	Member of editorial Board	Reviewer
1	Prof. Kamble S. A.	Editorial Board	Multi-logic in Science	Reviewer
2	Dr. B.T.Pawar	I )Advances in Bioresearch	Advances in Bioresearch	Reviewer
		II) Bulletin Of Environment, Pharmacology and Life Sciences	II) Bulletin Of Environment, Pharmacology and Life Sciences	Reviewer
		III) Research journal of chemical and environmental sciences	III) Research journal of chemical and environmental sciences	Reviewer
		IV) International Journal of educational research and Technology	IV) International Journal of educational research and Technology	Reviewer
		V) international archive of applied sciences and technology	V) international archive of applied sciences and technology	Reviewer
		VI) international research journal of biological sciences	VI) international research journal of biological sciences	Reviewer
		VII) journal of biological and chemical research	VII)journal of biological and chemical research	Reviewer
		VII) world journal of biology and medical sciences	VII) world journal of biology and medical sciences	Reviewer
3	Dr. Solanke S. N.	Nil	Nil	Nil

**18) Awards/ Recognition received by faculty and students:**

Sr. No	Date of awards	Name of full time teachers receiving awards	State level,National level, International level	Designation	Name of the award, fellowship, received from government or recognized bodies
1	. 8th – 9th December, 2013.	Dr. B. T. Pawar	‘International Best Oral Presentation Award’	Assistant Professor	International Science Congress Association (ISCA) at Karunya University, Coimbatore (Tamilnadu) INDIA.
2	15th – 17th February, 2010.	Dr. B. T. Pawar	‘National Best Oral Presentation Award’.	Assistant Professor	‘National Conference on Recent Advances in Plant Sciences’. Organized by Dept. of Botany, Padmashri Vikhe Patil College of Arts, Science & Commerce, Pravaranagar, A/p. Loni, Tq. Rahta, Dist. Ahmednagar (M.S.) and Society of Applied Sciences, Agra.
3	11thSept.2021	Dr.S.N. Solanke	International	Assistant	International Science and Awards



		(Best Researcher Award)		Professor	on Engineering, Science and Medicine, Coimbatore, India.
4	2006	Dr.P.P.Sharma	National	Associate Professor	*Awarded as a Fellow of Ethonobotanical Society (FES), Lucknow. *Awarded as a Fellow of Association for Plant Taxonomists (FAPT) Calcutta, 2006.

#### 19) Details of Infrastructural facilities:

Library	:	Central library facility.
Internet Facilities for staff & students	:	Yes
Class room with ICT facility	:	Yes

#### 20) Details on the students enrichment programs (special lecture, workshops, and seminar) with external experts: (2016-17 to 2021-22)

Sr. No	Topic of the Guest lectures	Name of resource person	Date of event	No of participants
<b>Academic Year 2019-20</b>				
1	Binomial Nomenclature	Prof. Ravi Patil Head, Dept. of Botany, Deogiri College Aurangabad	8 <sup>th</sup> Jan. 2020	50
2	Biodiversity	Prof. Arvind Dhabe Head, Dept. of Botany Dr. Babasaheb Ambedkar Marathawada University, Aurangabad	23 <sup>rd</sup> Jan. 2020	55
3	Environmental Sustainability and Air Pollution Preservation	Dr. Mukesh Naik. Head Dept. Environmental Science Deogiri College Aurangabad	4 <sup>th</sup> Feb. 2020	50

#### Academic Year 2020-21 Guest Lecture Series

1	Role of Botanist in Archaeology	<b>Prof. Dr. Milind Sardesai</b> Professor, Dept. of Botany, Savitribai Phule Pune University, Pune (MS)	19th July, 2021	89
2	Algal Biodiversity & its prospecting	<b>Dr. Abhay Salve</b> Asso. Professor, Dept. of Botany, Government Institute of Science, Aurangabad (MS)	20th July, 2021	89
3	Binomial Nomenclature: Recent Principles & Rules	<b>Dr. Vikas Gambhire</b> Head, Dept. of Botany, Government College of Arts & Science, Aurangabad (MS)	21st July, 2021	89
4	Current Status of Biodiversity	<b>Prof. Dr. Ravi Patil</b> Professor & Head, Dept. of Botany, Deogiri College, Aurangabad (MS)	22nd July, 2021	89
5	Seed Technology: Introduction & Opportunities in Seed Industry	<b>Dr. Mahesh Kharde</b> Director, Shirdi Sai Rural Institute, Rahata & Dept. of Botany, Padmashri Vikhe Patil College of Arts, Science & Commerce, Pravaranagar Loni (MS)	23rd July, 2021	89
6	Pharmacognostic Study of Medicinal Plants	<b>Dr. Datta Dhale</b> PG-Dept. of Botany, SSVPS's, L.K. Dr. P.R. Ghogrey Science College, Dhule (MS)	24 <sup>th</sup> July, 2021	89

7	DNA: The Blue Print of Life	<b>Dr. Subhdipa Sengupta</b> Asst. Prof., Dept of Botany, Bidhannagar College, Kolkata (WB)	25th July, 2021	89
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### Academic Year 2021-22 Guest Lectures

1	Role of Bio fertilizers & Bio pesticides in Agriculture development	<b>Prof. Shivraj Patale</b> Dept. of Botany S.K. Gandhi Arts, Amolak Science & P.H. Gandhi Commerce College, Kada, Tq. Ashti, Dist. Beed	27/11/2021	56
2	Cell division	<b>Prof. Ambhore J.S.</b> Head Department of Botany, Indraraj College Sillod dist. Aurangabad	02/12/2021	54
3	Uses of Plants by Indigenous Communities Marathwada	<b>Dr. Raffiuddin Naser</b> Head Department of Botany, Maulana Azad College Aurangabad	02/12/2021	54
4	Hutchinson's System of Classification	<b>Dr. T. A. Gitte</b> Head & Asso. Prof. Vaidyanath College Art, Science & Commerce, Parli Vaidyanath	3/12/2021	76
5	Herbarium and Techniques of Herbarium	<b>Dr. Survase Shrimant Arjunrao</b> Assistant Professor Department of Botany Lal Bahadur Shastri Senior College, Partur Dist. Jalna	11/12/2021	90
6	Biodiversity and its Conservation	<b>Dr Digambar P. Chavan</b> Assistant Professor, Dept. of Botany, Shrikrishna Mahavidyalaya Gunjoti.	14/12/2021	99
7	Cell Cycle - Mitosis	<b>Dr. Wankhede Mahendra</b> Assistant Professor, Herbarium of Cyperaceae Department of Botany, Sundarrao Solanke Mahavidyalaya, Majalgaon	18/12/2021	109

#### 21) Teaching methods adopted to improve student learning-

- Power Point Presentations
- Use of Video Clips
- Project Work
- Video Conferencing Lecture
- Organized Workshop
- Online NPTEL Courses
- Online NPTEL/UGC-SWAYAM Lectures
- Students Seminar
- Field Project/Survey

## 22) Event's with Photographs:

### PHOTO



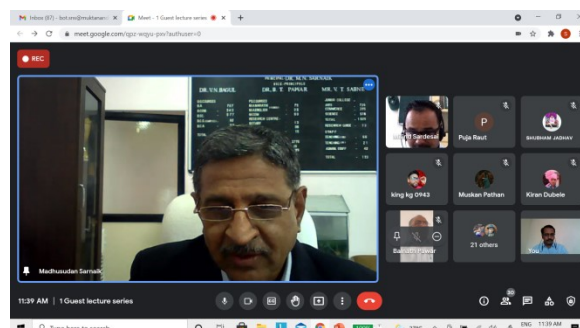
Guest lecture given by Prof. J. S. Ambhore



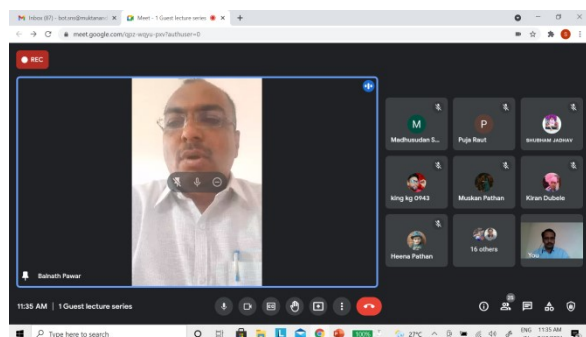
Guest lecture given by Dr. R. Naser



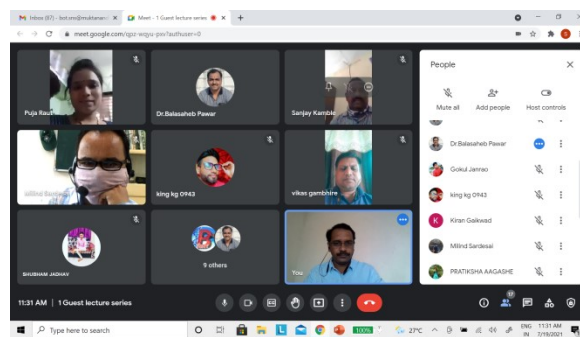
Dr. Sudhir Solanke, Anchoring



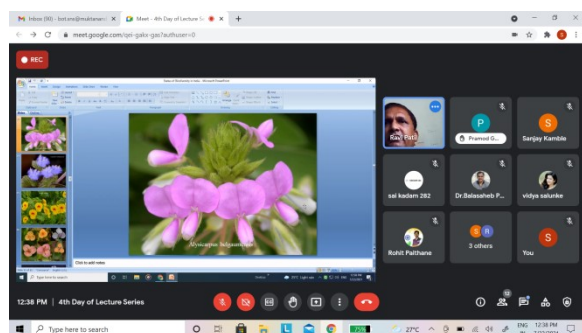
Principal Dr. M. N. Sarnaik Sir, welcoming address



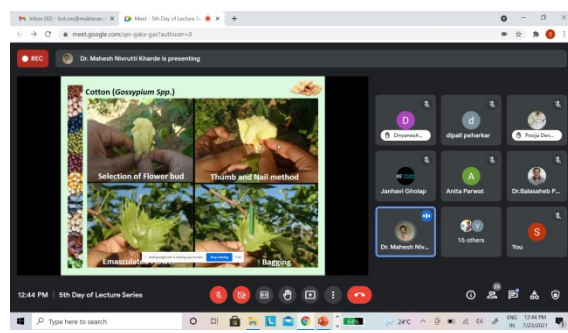
Dr. B. T. Pawar, introduction of Chief Guest to the participants



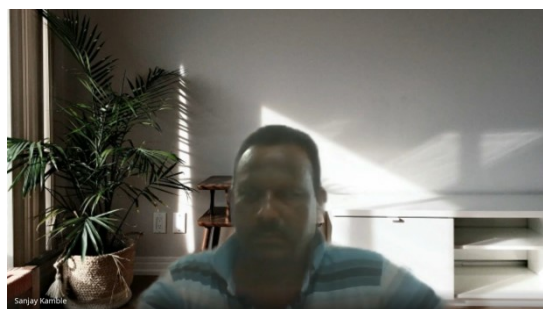
Prof. Milind M. Sardesai sir during the presentation



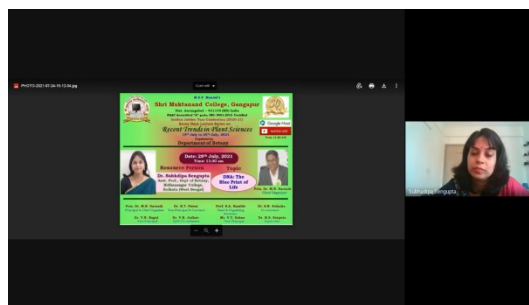
**Professor Dr. Ravi Patil during the presentation**



**Professor Dr. Mahesh Kharde during the presentation**

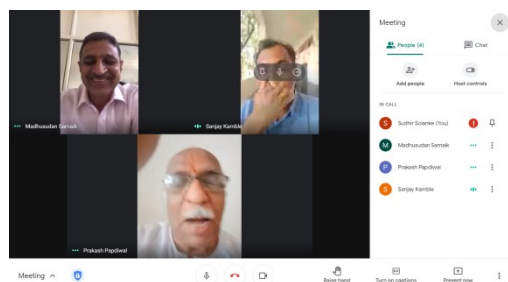


**Prof. S. A. Kamble Introducing the Resource person**

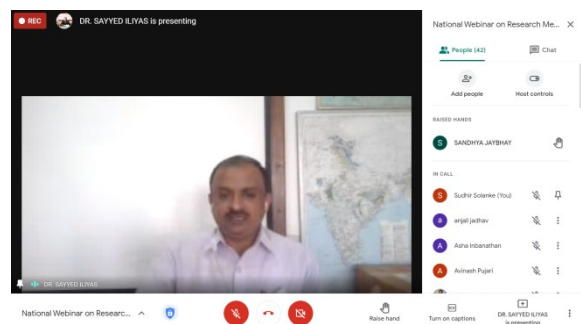


**Dr. Subhadipa Sengupta delivering the lecture**

### **Photos of National Webinar on Research Methodology**

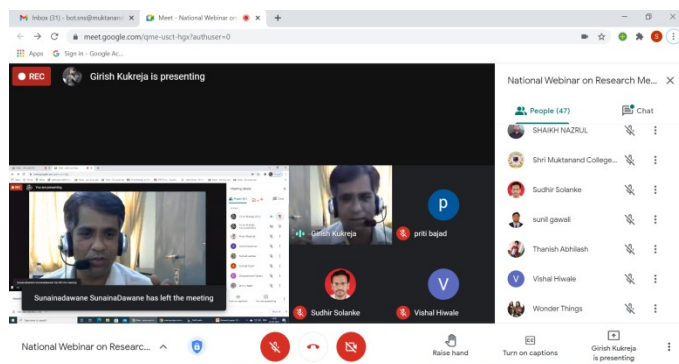


**Prof. Papdiwal Sir giving lead lecture**

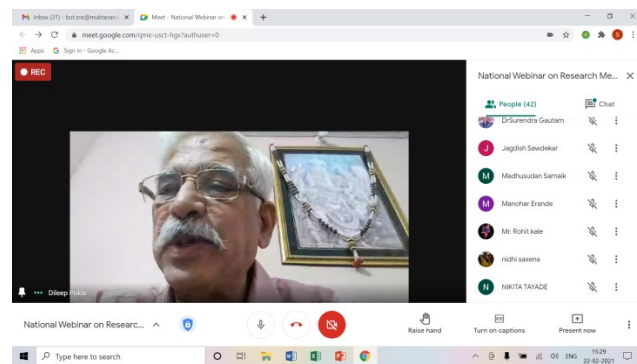


**Dr. Sayyad Illias presenting lecture**





**Dr. Girish Kukreja sir presenting the lecture**



**Prof. Dilip Pokle sir in validictory function**

### Guest lectures



**Welcome speech and introduction of Chief guest lecture by Dr. Sudhir Solanke**



**Prof. Dr. Ravi Patil delivering the lecture**



**Prin Dr. M. N. Sarinaik sir welcoming to Prof. Arvind Dhabe sir.**



**Prof. Dr. Arvind Dhabe delivering the lecture**

M.S.P.Mandals  
**Shri Muktanand College, Gangapur,**  
**Dist. Aurangabad.**

Study tour in the Academic Year 2019 to20

**List of Students**

Sr. No.	NameofStudents	Class	Mobile No.	Signature
1	Salunke Tushar Sitaram	B.Sc.F.Y.	9011974521	
2	Sonwane Shubham Kundalik	B.Sc.F. Y.	9146561631	
3	Gadgule GaneshRamkisan	B.Sc.F. Y.	7499302639	
4	Mali Ashwini Harishchandra	B.Sc.F.Y.	9075188981	
5	Sankpal Shraddha Balasaheb	B.Sc.F.Y.	9403226618	
6	Gadekar Gitanjali Gorakh	B.Sc.F.Y.	8669727885	
7	Istake Monika Suresh	B.Sc.F.Y.	8262916361	
8	Gaikwad Shushma Rajendra	B.Sc.F.Y.	9545164434	
9	Pawar Shital Arjun	B.Sc.F.Y.	7741886531	
10	Dhotare PratikshaSunil	B.Sc.F.Y.	9637837030	
11	Saudankar Rutesh Rajesh	B.Sc.F. Y.	7219529618	
12	Hiwale Kiran Shivaji	B.Sc.F. Y.	9307642546	
13	Andure Akshay Laxman	B.Sc.F.Y.	9511852095	
14	Sohel Bashir Shaha	B.Sc.F. Y.	7350028771	
15	Pankade Ravi Popatrao	B.Sc.T.Y.	9730537101	
16	Alhat PratikBansi	B.Sc.T.Y.	8788462219	
17	Salunke Aajay Machindra	B.Sc.F. Y.	8830984380	
18	Magar Nachiket Ashok	B.Sc.F. Y.	8080196900	
19	Pathan Heena Galeb	B.Sc.S.Y.	9370005020	
20	Pathan Muskan Mannan	B.Sc.S.Y.	9420241737	
21	Dhadiwal Nikita Pravin	B.Sc.T.Y.	9921904316	
22	Deokar Manisha Ramesh	B.Sc.T.Y.	9923693518	
23	Maghade Pratima Sunil	B.Sc.T.Y.	8605528317	
24	Dhotre Ketki Parasram	B.Sc.S.Y.	9112858770	
25	Nawale Haridas Babasaheb	B.Sc.T.Y.	9604877292	
26	Korhale Rani Sheshrao	B.Sc.T.Y.	7028739523	
27	Dhotre Tejas Sandeep	B.Sc.S.Y.	9146687319	
28	Veer Chaytannya Harichandra	B.Sc.F.Y.	7507443431	

## List of Teachers

Sr.No.	Name of Teacher	Designation	Signature
1.	Dr.R.J.Sawant	Head & Asst.Prof.	
2.	Dr.B.T.Pawar	Asst.Prof.	
3.	Dr.S.N.Solanke	Asst.Prof.	
4.	Ms.M.D.Deshmukh	Asst.Prof.	
5.	Mr.M.T.Kuchekar	Asst.Prof.	
6.	Mr.Kiran Dane	Asst.Prof.	
7.	Mr.Ggangadhar More	Lab Attendant	

### EDUCATIONAL TOUR REPORT (9<sup>th</sup> Dec. 2019)

Department of Botany organized an educational tour on 09/12/2019 for B.Sc. first, Second and Third- year students. More than 28 students and 6 faculty members were present for the said excursion tour. The main purpose of the tour was to get the students closer to the natural environment.

We started at 09.00 am from college campus and reached at Jamgaon at 9.30 am. On the way the students were asked to identify different groups of plants. The students had the feel of forest ecosystem. Samples of colorful fruiting bodies of Algae and Angiospermic Specimens were collected and were preserved by scientific methods. The students photographed the flowers and fruits and identified their types along their concerned families. After late lunch, the student by walk traveled for 4 kilometers to a nearby grass land and agriculture land during which we collected various members of the family Poaceae and Liliaceae. On the way, we visited a Seed company for studying various techniques of Biotechnology and hybridization. The students were very much impressed by information given by workers and presented them chocolates. We returned to college campus at 5.30 pm.



## Photos of Study Tour





### 23) A) SWOC analysis of the department and B) Future Plans:

#### A) SWOC analysis:

**Strengths:** 1) Started P.G. Course in Botany  
2) Running Botany Research Centre

**Weakness:** 1) 100% presence of students  
2) Lack of medicinal plant project.

**Opportunities:** To apply for more Major & Minor Research projects.

**Challenges:** To start job oriented short term certificate courses.

#### B) Future plan: To Set Up

- 1) Medicinal plant project
- 2) Floriculture
- 3) Tissue culture

#### • List of PPT LINK

Sr. No.	Topic	PPT Link
<b>Dr. Sudhir Solanke</b>		
1.	Trichome	<a href="https://drive.google.com/file/d/1Mset4TyvTkdQK6o34uB17xX4cR0FvCVy/view?usp=sharing">https://drive.google.com/file/d/1Mset4TyvTkdQK6o34uB17xX4cR0FvCVy/view?usp=sharing</a>
2.	Study of the family Papaveraceae	<a href="https://drive.google.com/file/d/1Bq-5IaJd7eaMy_TSA6Df9dT7NSpWiJ8M/view?usp=sharing">https://drive.google.com/file/d/1Bq-5IaJd7eaMy_TSA6Df9dT7NSpWiJ8M/view?usp=sharing</a>
3.	Study of the family Combretaceae	<a href="https://drive.google.com/file/d/1mOefisRa2BYMQcHJ1iKLi_eECBpObTsDC/view?usp=sharing">https://drive.google.com/file/d/1mOefisRa2BYMQcHJ1iKLi_eECBpObTsDC/view?usp=sharing</a>
4.	Morphology of Inflorescence	<a href="https://drive.google.com/file/d/1jUoL31LDlCFPKyxpSFBDHX-nmR1erCLi/view?usp=sharing">https://drive.google.com/file/d/1jUoL31LDlCFPKyxpSFBDHX-nmR1erCLi/view?usp=sharing</a>
5.	Morphology of Fruit	<a href="https://drive.google.com/file/d/1-WLSnjLkH4rW63hdzUgqm4xpeIOyPIBk/view?usp=sharing">https://drive.google.com/file/d/1-WLSnjLkH4rW63hdzUgqm4xpeIOyPIBk/view?usp=sharing</a>

6.	Floral Characteristics of Brassicaceae	<a href="https://drive.google.com/file/d/1vkF1vnWJwFvMHPylAO_9djgchtxjNRtQ/view?usp=sharing">https://drive.google.com/file/d/1vkF1vnWJwFvMHPylAO_9djgchtxjNRtQ/view?usp=sharing</a>
7.	Economic Importance of the family Cucurbitaceae	<a href="https://drive.google.com/file/d/1bqLB6F3cf7aRtMR7B3XhHzxqMgqB-zxd/view?usp=sharing">https://drive.google.com/file/d/1bqLB6F3cf7aRtMR7B3XhHzxqMgqB-zxd/view?usp=sharing</a>
8.	Economic Importance of the family Brassicaceae	<a href="https://drive.google.com/file/d/1OAKnINxUMgekLKBMD-FEt91DIoYaxD6k/view?usp=sharing">https://drive.google.com/file/d/1OAKnINxUMgekLKBMD-FEt91DIoYaxD6k/view?usp=sharing</a>
9.	Disciflorae Series in Bentham Hooker's System	<a href="https://drive.google.com/file/d/1TIXz6FgQo_Ize05qChLD9tcqpJiHNfm5/view?usp=sharing">https://drive.google.com/file/d/1TIXz6FgQo_Ize05qChLD9tcqpJiHNfm5/view?usp=sharing</a>
10.	Calyciflorae Series in Bentham Hooker's System	<a href="https://drive.google.com/file/d/1L-IERRTnz32c0IG00ioGspBuGyeI3z19/view?usp=sharing">https://drive.google.com/file/d/1L-IERRTnz32c0IG00ioGspBuGyeI3z19/view?usp=sharing</a>
11.	Introduction of Bentham & Hooker's System of Classification	<a href="https://drive.google.com/file/d/1M3m0Jzthx_C8SrQpXAbfKMBTbM26_QBe/view?usp=sharing">https://drive.google.com/file/d/1M3m0Jzthx_C8SrQpXAbfKMBTbM26_QBe/view?usp=sharing</a>

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	A..P. de Candolle System of Classification	<a href="https://drive.google.com/file/d/13TcuuOV1GaFsWeQqrN_qETm235M6KU67/view?usp=sharing">https://drive.google.com/file/d/13TcuuOV1GaFsWeQqrN_qETm235M6KU67/view?usp=sharing</a>
	Polypetalae Series in Bentham & Hooker's System of Classification	<a href="https://drive.google.com/file/d/1B2ZNYupm5sRN7RyLba-eUQ-gKDhP4VJg/view?usp=sharing">https://drive.google.com/file/d/1B2ZNYupm5sRN7RyLba-eUQ-gKDhP4VJg/view?usp=sharing</a>
	Gamopetalae Series in Bentham & Hooker's System of Classification	<a href="https://drive.google.com/file/d/1E2Vn4TOYnHcAoLhoZNhT9wVL6Mkchg0k/view?usp=sharing">https://drive.google.com/file/d/1E2Vn4TOYnHcAoLhoZNhT9wVL6Mkchg0k/view?usp=sharing</a>
	Carolus System of Classification	<a href="https://drive.google.com/file/d/1BDxOLbacU9CQQ8-ED0qLKB2YPMBjvquF/view?usp=sharing">https://drive.google.com/file/d/1BDxOLbacU9CQQ8-ED0qLKB2YPMBjvquF/view?usp=sharing</a>



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