

S.B.V.P. Samaj's
SahakarMaharshiBhausahahebSantuji Thorat College of
Arts, Science & Commerce, Sangamner

Departmental Report 2018-19

1. Name of the Department - **Botany**
2. Year of establishment - **1990(T.Y.BSc- Botany Special - 1992-93)**
3. Is the Department part of a School/Faculty of the university? - **S.P.P.U.Pune**
4. Names of programme offered (**UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.**) - **U.G**
5. Interdisciplinary programmes and departments involved- **No**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. -**NA**
7. Details of programmes discontinued, if any, with reasons- **No**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System-**Annual-For F.Y.BSc/Semester - S.Y. and T.Y.BSc**
9. Participation of the department in the courses offered by other departments-**No**
10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/others)

	Sanctioned	Filled	Actual (including (CAS & MPS)
Professor	--	--	--
Associate Professors	04	03	00
Asst. Professors	02	00	--
Others	02	02	--

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. Students guided
Dr. Wagh B.D	MSc.Ph.D	Associate Prof.and H.O.D.	Plant Physiology	27	--
Dr Sabale P.P	MSc. B.Ed. Ph.D.	Associate Prof.	Bryophytes and Pteridophyta	26	--
Prof.Shinde C.L	M.Sc	Associate Prof.	Genetics	26	--
Prof.Wale.S.K.	M.Sc	Assist. Prof.	Advanced Genetics And Mol. Biology	01	--
Prof.Dighe A.S.	M.Sc	Assist. Prof.	Advanced Genetics And Mol. Biology	01	--
Prof.Datir N.A	M.Sc	Assist. Prof.	Advanced Genetics And Mol. Biology	01	--

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

Sr. No.	Name	Designation
1.	Dr.Arun Adsul	Ex.Vice-chancellor S.P.P.U.Pune
1.	Dr.S.D.Pingle	Rtd.Principal,Guide For MPhil and Ph.D in Botany,
2.	Professor B.M.Gaikar	Chairman BOS in Botany Vice-Principal,Guide For MPhil and Ph.D in Botany,Ahmednagar College A'Nagar.
3.	Prin. B.J.Apparao	Principal,Guide For MPhil and Ph.D in Botany,Jijamata College Bhende.

13. Percentage of classes taken by temporary faculty - programme-wise information

Sr. No.	Name of faculty	Programme Name	Percentage of classes taken
1.	Prof.Wale.S.K.	F.Y.BSc	25%
		S.Y.BSc	00
		T.Y.BSc	16.66%
2.	Prof.Dighe A.S.	F.Y.BSc	25%

		S.Y.BSc	00
		T.Y.BSc	16.66%
3.	Prof.Datir N.A	F.Y.BSc	18.75%
		S.Y.BSc	00
		T.Y.BSc	16.66%

14. Programme-wise Student Teacher Ratio

Programme Name	Percentage of classes taken
F.Y.BSc	60:1
S.Y.BSc	24.33:1
T.Y.BSc	2.16:1

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

Name of the Staff Sanctioned	Actual Filled
02	02

16. Research thrust areas as recognized by major funding agencies - **NIL**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. - **NIL**

18. Inter-institutional collaborative projects and associated grants received - **NIL**

a) National collaboration b) International collaboration

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. - **NIL**

20. Research facility / centre with - **NIL**

- state recognition
- national recognition
- international recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies - **NIL**

22. Publications:

*Number of papers published in peer reviewed journals (national / international) – 03

Name of the Teacher	Title of the Paper	Name of the Journal / ISSN/ISBN No./ IMP.Fact	Duration
Dr.Wagh B.D.	Ethnomedicinal Survey of Peth Tribal Region of Nashik Dist.Maharashtra.	I.J.R.B.A.T.Vol.2(Special issue) e-ISSN 2347-517X	Feb.2018
Dr.Sable P.P.	Effect of Physical factors on growth and sporulation of <i>Aspergillus niger</i> sensitive and resistant to carbendazim causing fruit rot of Ber (<i>Zyzyphus</i>)	An international conference on-Recent Adv. in International Conference - Recent advances in Traditional Medicines, Medicinal Plants and Photochemistry.	08-09 Feb.2019
	Integrated Management of Zyzyphus Rot Caused By Carbendazim resistance using Agrochemicals Like Antibiotics,Herbicides, Micronutrient Combination With Carbendazim.	-State Level Seminar - Emerging Trends In Biodiversity Conservation- K.J.Somiaya College Kopargaon.	7-8Jan. 2019

* Monographs - NIL

*Chapters in Books *Edited Books -NIL

* Books with ISBN with details of publishers -NIL

*Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

*Citation Index – range / average *SNIP * SJR

*Impact Factor – range / average *h-index -1.5 -2.5

23. Details of patents and income generated-NIL

24. Areas of consultancy and income generated - **Consultancies provided to**

1) Sahakar Maharshi Bhausaheb Thorat Sahakari Sakhar Karkhana

Amrutnagar Sangamner , A'Nagar

2) Sangamner Taluka Dudh Utpadak and Prakraya Sangha Amrutnagar

Sangamner , A'Nagar.

3) Shri. Bhausaheb Thorat Amrutvahini Bank Amrutnagar Sangamner

A'Nagar.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / Industries in India and abroad -NIL.

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (please specify) -

Sr.No.	Name of the Faculty	Name of the Board	Designation	Duration
1	Dr.B.D.Wagh	Botany	Member of Syllabus Framing F.Y.BSc	2018-19

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

Sr. No	Name of the Teacher	Title/Theme	Venue/ Organizer	Dates
1	Dr. Wagh B.D	State level Workshop on -In-Situ Biodiversity Conservation.	Sangamner College Sangamner	20-21 Dec. 2018
		-State Level Seminar on -Recent Trends In Biodiversity	K.J.Somiaya College Kopargaon.	7-8Jan. 2019
		State Level Seminar -Recent Trends In- Organic Farming	Shri Dnyaneshwar Mahavidalaya Newasa.	1-2 Feb. 2019
		State Level Garyarohan Shibir	Dr.D.Y.Patil College Akurdi Pune	4-7-Jan. 2019
		National Conference on -Recent Trends In environmental Science.	Adv.M.N. Deshmukh College Rajur	18-19 Jan. 2019
		International Conference on -Recent advances in Traditional Medicines, Medicinal Plants and Phytochemistry.	Ahmednagar College Ahmednagar	8-9-Feb. 2019
		State level Biodiversity Camp	S.M.B.S.T. College Sangamner	15-16 Feb. 2019
		National Seminar on-Enhancing Productivity Through Spiritual Human Resource Practices.	Amrutvahini Institute of Management Sangamner.	26-27 Feb. 2019
		National Conference on-Intellectual Property Rights in India.	Dr.D.Y.Patil College Pimpri Pune.	14-15 Feb.2019
2	Dr Sabale P.P	State level Workshop on -In-Situ Biodiversity Conservation.	Sangamner College Sangamner	20-21 Dec. 2018

		-State Level Seminar on - Emerging Trends In Biodiversity Conservation	K.J.Somiaya College Kopargaon.	7-8Jan. 2019
		National Conference on -Recent Trends In environmental Science.	Adv.M.N. Deshmukh College Rajur	18-19 Jan. 2019
		International Conference on - Recent advances in Traditional Medicines, Medicinal Plants and Photochemistry.	Ahmednagar College Ahmednagar	8-9-Feb. 2019
		State level Biodiversity Camp	S.M.B.S.T. College Sangamner	15-16 Feb. 2019
3	Prof.Shinde C.L	State level Workshop on -In-Situ Biodiversity Conservation.	Sangamner College Sangamner	20-21 Dec. 2018
		State level Biodiversity Camp	S.M.B.S.T. College Sangamner	15-16 Feb. 2019
4	Prof.Wale.S.K.	State level Workshop on -Situ Biodiversity Conservation.	Sangamner College Sangamner	20-21 Dec. 2018
		State level Biodiversity Camp	S.M.B.S.T. College Sangamner	15-16 Feb. 2019
5	Prof.Dighe A.S.	State level Workshop on -In-Situ Biodiversity Conservation.	Sangamner College Sangamner	20-21 Dec. 2018
		State level Biodiversity Camp	S.M.B.S.T. College Sangamner	15-16 Feb. 2019
		State level Biodiversity Camp	S.M.B.S.T. College Sangamner	15-16 Feb. 2019
6	Prof.Datir N.A	----	---	--

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects -**departmental projects for Botany Special Students**

Sr.No.	Name of the Student	Title / Subject of the Project	Name of the guide teacher
1	Avhad Varsha Balasaheb	Study of Various diseases of Zyzyphus Sps.	Dr.P.P.Sable
2	Bairagi Chitra Rupdas	Study of Various diseases of Zyzyphus Sps.	

3	Dawange Akash Namdeo	Study of Various diseases of Zyzyphus Sps.	
4	Gurkule Punam Sadashiv	Biodiversity of Chandanaputi ghat region Sangamner	Dr.B.D.Wagh
5	Kachere Sonali Subhash	Biodiversity of Chandanaputi ghat region Sangamner	
6	Kasar Meghana Namdev	Biodiversity of Chandanaputi ghat region Sangamner	
7	Kolhe Manisha Baban	Biodiversity of Chandanaputi ghat region Sangamner	
8	Kolhe Seema Balasaheb	Phytochemical and Nutritional analysis of <i>Cordia dichotoma</i> G.FORST. an <i>Colocasia esculenta</i> L.	Prof.S.K.Wale
9	Shirole Sushil Piraji	Phytochemical and Nutritional analysis of <i>Cordia dichotoma</i> G.FORST. an <i>Colocasia esculenta</i> L.	
10	Ugale Shubham Bhimraj	Phytochemical and Nutritional analysis of <i>Cordia dichotoma</i> G.FORST. an <i>Colocasia esculenta</i> L.	
11	Yewale Pravin Prabhakar	Enumeration of <i>Jatropha Curcas</i> L.seeds as an organic fertilizer.	Prof. A.S.Dighe
12	Argade Vaibhav Uttam	Enumeration of <i>Jatropha Curcas</i> L.seeds as an organic fertilizer	
13	Bhalerao Shubhangi Balu	Enumeration of <i>Jatropha Curcas</i> L.seeds as an organic fertilizer	

- percentage of students doing projects in collaboration with other universities / industry / institute - **NIL**

29. Awards / recognitions received at the national and international level by - **NIL**

30. Seminars/ Conferences/Workshops organized and the source of funding (national International) with details of outstanding participants, if any

Name of the Programme	Funding Agency	Duration	No.of Paticipenta
State level Biodiversity Camp.	Students Development Dept. S.P.P.U.Pune	15-16 Feb.2019	

31. Code of ethics for research followed by the departments -

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected 2018-19			Pass percentage 2017-18		
		Male	Female	Total	Pass	Fail	Percentage
F.Y.BSc	300	079	152	231	114	04	96.61
S.Y.BSc	084	037	047	084	55	08	87.30
T.Y.BSc	013	08	05	013	14	02	87.50

33. Diversity of students

Name of the Programme (refer to que.no,4)	% of students from The same University	% of students from Other University Within the state	% of students from Other Universities.	% of Students From other Countries.
F.Y.BSc	100	--	--	--
S.Y.BSc	100	--	--	--
T.Y.BSc	100	--	--	--
Add-on Course	100	--	--	--

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Sr. No.	Name Students	Name of Exam. qualified
1.	Gunjal Nanasahab	NET- qualified in life Sciences
2.	Modi Aparna D.	PET- qualified in Botanical Sciences

35. Student progression

Year	Number of students enrolling to Programme	Number of students enrolling into higher education	Program graduated from	UG to PG	P.G. to MPhil to PhD	PhD to Post Doc.
2013-14	13	08	B.Sc. Botany	08	--	--
2014-15	17	09	B.Sc. Botany	09	--	--
2015-16	06	04	B.Sc. Botany	04	--	--
2016-17	07	02	B.Sc. Botany	02	--	--

2017-18	17	05	B.Sc. Botany	05	--	--
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36. Diversity of staff--

Percentage of Faculty Who are	
Graduates of the same university	100
From other universities within the	00
State from universities from other	00
universities outside the country	00

37. Number of faculty who were awarded M. Phil., Ph.D., D.Sc. and D.Litt. during the assessment period - **NIL**

38. Present details of departmental infrastructural facilities with regard to

- a) Library - **Dept. Library**
- b) Internet facilities for staff and students - **Yes**
- c) Total number of class rooms-04
- d) Class rooms with ICT facility - **01**
- e) Students' laboratories - **02**
- f) Research laboratories - **NIL**

39. List of doctoral, post-doctoral students and Research Associates -**NA**

- a) from the host institution/university
- b) from other institutions/universities

40. Number of post graduate students getting financial assistance from the university.-**NA**

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology- **NIL**

42. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? - **Yes**
- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? - **Yes**
- c. Alumni and employers on the programmes offered and how does the department utilize the feedback? - **Yes**

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

Year	No. of students / Alumni	Name of the institute / Dept.
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2017-18	1.Kadlag Mangesh 2.Shinde Suryakant Ramesh 3. Shinde Sumit Maruti 4. Borhade Rupali Kachru. 5.Gunjal Nikita Sukhdeo 6.Jadhav Surekha Rajendra 7.Shinde Poonam Dinkar 8.Hase Poonam Balasaheb 9.Gopale Monika Arun 10.Gaikwad Suraj Shankar 11.Salve Nitesh Sopan 12.Gunjal Sujata Gopinath	Malpani group Sangamner J.B.M.Group Pune. Talegaon Dab. S.R.Thorat Milk (Production), Sangamner. MSc Botany Appeared. MSc Botany Appeared. MSc Botany Appeared. MSc Botany Appeared. MSc Botany Appeared. -- Medical Store
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44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Name of student enrichment programmes	Students Benefited
special lectures i) Dr.M.V.Pachore	18
ii) Prof. Ashok Tambe	45
iii) Dr.Avinash Jondhale	13
Organization of One Day Workshop on Mushroom Cultivation	13

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

- 1) **Students Centric - Classroom teaching, Chalk and talk method**
- 2) **Experimental - Visits, Botanical tours, Farm visits, Lab. Experiments**
- 3) **Participative- group discussion, Seminars, PPT-Presentation**

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The programme objectives are constantly met and learning outcomes are monitored through continuous evaluation by tests, tutorials students' feedbacks

47. Highlight the participation of students and faculty in extension activities.

Participation of students and faculty in following extension activities -

- 1) **Survey of biodiversity of N.S.S Adopted Village.**
- 2) **Tree Plantation and Landscaping in College Campus**
- 3) **Visit to Mushroom cultivation Small-scale Industry.**
- 4) **Participation in earn and learn Scheme.**
- 5) **Participation in Cultural Activities**
- 6) **Participation in Flower exhibition**
- 7) **Participation Alumni association Programmes**
- 8) **Participation in organization of state level Biodiversity Camp**
- 9) **Mentor ship programme for the students**

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

- **The T.Y.B.Sc Botany Special Students Prepare "A Project On various subjects" and present the project with the help of Power Point Presentation**

- **Conduction of Add-on course on Mushroom Cultivation Technology.**
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.-
- **The Institute / department is ISO 9001-2015 Certified**
 - **The Institute / department is Green Audit Certified**
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- **Conduction of Add-on course on Mushroom Cultivation Technology.**
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths -

- Qualified and enthusiastic faculties
- Good, Sufficient infrastructure
- Well equipped spacious laboratories
- Sufficient No. of Reference and Text Books as per Student ratio
- Facilities for ICT- Teaching

Weakness -

- **No adequate space to develop Botanical garden**
- **Vacancies are not filled on grantable basis**

Opportunities

- **To organize State / National level Conferences**
- **To organize Students workshop**
- **Short term certificate / Add-on courses**

52. Future plans of the department.

- **Work for Biodiversity Conservation and tree plantation**
- **To organized student centric activities.**

Dr Balasaheb D. Wagh