

Department of Botany

HIGHLIGHTS:

- ❖ Five major and one minor research projects completed.
- ❖ UGC sponsored Career Oriented Certificate Course started for UG students for five consecutive years (2012-2017).
- ❖ Creating awareness about conservation of forests as a natural bio-resources and environment among students at large through nature club activities.
- ❖ Botanical study tours for field work and exposure of students to nature, forests and marine flora.
- ❖ Continuous Training of environmental monitoring to researchers.
- ❖ Management of waste material (kitchen garden) in the campus- by Vermi-composting method.
- ❖ Training to students about mushroom cultivation.
- ❖ Development of nursery in botanical garden to train the students.

ABOUT US:

- ❖ Established in July 1978.
- ❖ Conservation and preservation of some rare, endangered and threatened medicinal plants.
- ❖ Study tours and projects as a part of curriculum.

OBJECTIVES:-

- ❖ To develop scientific awareness about the environmental conservation.
- ❖ To create critical ability and convert it into research attitude .
- ❖ To promote innovative ideas in plant science development.
- ❖ To induce practical approach through research projects and research culture.
- ❖ To develop expertise in the subjects.

DEPARMENTAL PROFILE:

- No. of Students Awarded Ph.D. - 05
- No. of Students working for Ph. D. - 07
- No. of Research Projects Completed - Major : 05, Minor: 01
- Conferences/Seminars Organized - National –06

- No. of Project Fellows – 04

THRUST AREAS

- Phycology
- Mycology and Plant Pathology
- Plant Physiology
- Medicinal Plants
- Stress Physiology
- Aerobiology

ACHIEVEMENTS OF THE DEPARTMENT

- Department has received Rs. 69,11,200/- amount during 1995-2017 from UGC, MOEF and NMPB agencies.
- Botanical Garden of the department is recognized.

LINKAGES

- Bharati Vidyapeeth, College of Ayurveda, Pune
- Savitribai Phule Pune University, Pune
- Agarkar Research Institute, Pune
- Chest Research Foundation Centre, Pune
- Interactive Research School for Health Affairs (IRSHA), Pune

FACULTY PROFILE

- ❖ Teaching experience – 30 years,
Research experience- 28 years
- ❖ Four Major & One Minor Research Projects completed.
- ❖ Recognized Research Guide in Botany.
- ❖ Former Chairman, Board of Studies in Life Sciences
- ❖ Former Dean, Faculty of Science
- ❖ Former Member Board of Examination
- ❖ Life member Indian Aerobiological Society
- ❖ Presented research paper in International Conference in South Korea



Dr. S. R. Patil
M. Sc., M. Phil., Ph. D.
Associate Professor & Head

- ❖ Teaching experience – 26 years
- ❖ Research experience- 24 years
- ❖ Former Chairman, Board of Studies in Life Sciences
- ❖ Recognized Research Guide in Botany
- ❖ Former member BoS in Botany, Solapur University, Solapur
- ❖ Rector of the Boys and girls Hostels
- ❖ Assistant Programme Officer, NSS
- ❖ Member – Academic Council of Bharati Vidyapeeth University



Dr. S. G. Pawar
M. Sc., M. Phil; Ph. D
Associate Professor

PUBLICATIONS OF FACULTY

Sr. No	Name of the Author	Title of the article	Name of the Journal	Volume (Year) Page	Level
1.	Dr. S. G. Pawar	Preliminary survey of other aerobiocomponents at Pune Maharashtra, India	<i>International Journal of Life sciences</i>	78-80, 29-30 2013.	International
2.	Dr. S. G. Pawar	Effect of antitranspirants on the germinating seeds of <i>Sorghum vulgare</i> L.	<i>Asian Journal of Multidisciplinary Studies</i>	2(9), 174-177, 2014.	International
3.	Dr. S. R. Patil Dr. S. G. Pawar	Noteworthy Ethnomedicinal plants used by the tribes of Maharashtra	<i>Journal of Economic and Taxonomic Botany,</i>	38(2)254 -260, 2014.	International
4.	Dr. S. G. Pawar	Influence of HICO-110R on water relations, photosynthetic pigments, stomatal regulation and yield of groundnut under water stress condition	<i>International Journal of Multifaceted and Multilingual Studies;</i>	1(3), 2014.	International
5.	Dr. S. R. Patil Dr. S. G. Pawar	Traditional herbal remedies practiced by the herbal healers in the tribal regions of Maharashtra-India	<i>International Journal of Life Sciences</i>	2 (4): 334-340, 2014.	International
6.	Dr. S. G. Pawar	Evaluation of chlorophyll content and chlorophyll stability index of some antiallergenic medicinal plants	<i>Asian Journal of Multidisciplinary Studies</i>	3(1), 17-20, 2015.	International

7.	Dr. S. G. Pawar	Biochemical Analysis of Primary metabolites from some selected Medicinal Plants	<i>Proceeding of Seminar</i>	65 – 70, 2015.	National
8.	Dr. S. G. Pawar	Quantitative Assessment of Mineral Composition of Aloe vera (L.) Burm.f. leaves by ICP-MS and CHNS Analyzer	<i>International Journal of Science and Research</i>	4 (10), 1372 – 1376, 2015.	International
9.	Dr. S. G. Pawar	Diversity of bioactive components of Cullen corylifolium (L.) Medik	<i>Proceeding of National Conference</i>	328-334., 2015.	National
10.	Dr. S. G. Pawar	Impact of Climate Change on Intramural Aerobiodiversity in the Bharati Printing Press at Pune (MS), India	<i>Asian Journal of Multidisciplinary studies</i>	4 (3), 53-60, 2016.	International
11.	Dr. S. R. Patil Dr. S. G. Pawar	New Findings of Traditional Medicinal uses of Plants from Bhimashankar and Mulshi Areas of Pune, District, Maharashtra.	<i>Asian Journal of Multidisciplinary Studies</i>	4 (3), 92-98, 2016.	International
12.	Dr. S. G. Pawar	Diversity of Bioactive Components of Achyranthes aspera Linn leaves.	<i>Asian Journal of Multidisciplinary Studies</i>	4 (3), 49-52, 2016.	International
13.	Dr. S. R. Patil Dr. S. G. Pawar	Preliminary Phytochemical Investigations of Three Species of Traditional Medicinal Plants of Tribal Regions of Maharashtra (India)	<i>International Journal of Pharmacognosy and Phytochemical Research</i>	742-745 , 2016.	International
14.	Dr. S. G. Pawar	Elemental Analysis of Anti-Allergenic Indigenous Plants and their Possible Correlation with Therapeutic Activity	<i>International Journal of Pharmaceutical and Clinical Research</i>	8(9): 1290-1295, 2016	International
15.	Dr. S. G. Pawar	Quantitative Evaluation of Plant Diversity from Newly reported Sacred Groves (Devrais) in Pune District (Maharashtra).,	<i>Asian Journal of Multidisciplinary Studies</i>	4(10), 58-66, 2016	International
16	Dr. S. R. Patil	Air dispersion of viable algae in the extramural environment of Pune.	<i>International Jr. of Advanced Research</i>	vol.2,issue4,509-514.	International

17	Dr. S. R. Patil	Algal biodiversity over environment of Pune.	<i>International Jr. of Advanced Research</i>	vol.2,issue 2,online: ISSN 2320-9186	International
18	Dr. S. R. Patil	Investigation of Biocomponents Over Jowar Crop Field at Jamkhed.	<i>Asian Journal of Multidisciplinary Studies</i>	Vol.4,issue 9, 127-130.	International
19	Dr. S. R. Patil	Investigation of Biocomponents Over Jowar Crop Field at Jamkhed.	<i>Asian Journal of Multidisciplinary Studies</i>	Vol.4,issue 9, 92-98	International
20	Dr. S. G. Pawar	Characterization of <i>Eclipta prostrata</i> (L.) L. Leaves by FTIR spectroscopy method, CHNS and ICP-MS analysis techniques.	<i>International Research Journal of Biological Sciences</i>	2017;6(2):30-35.	International

CONFERENCES / SEMINARS / WORKSHOPS ORGANISED

Sr. No.	Name of the Event	Funding Agency	Funds
1.	Impact of Airborne Microbes on 07 th – 09 th March 1996	UGC, New Dehli	1,25,000/-
2.	Current Trends in Allergy and Applied Aerobiology on 28 th – 30 th November 2002	UGC, New Delhi	1,75,000/-
3.	Sustainable Utilization of Natural Bio-resources on 13 th January 2011	UGC, New Delhi	64,836 /-
4.	National workshop on 'Technology rd and Environmental Monitoring' on 23 rd -27 th January 2012	Bharati Vidyapeeth Deemed University Yashwantrao Mohite College, Pune	51,936/-
5.	National seminar on Recent Trends in Life Sciences on 22 nd - 23 rd December 2012	UGC, New Delhi	1,39,357 /-
6.	National seminar on Future Prospects of Biosciences on 17 th -18 th Jan.2014	UGC, New Delhi	1,25,000/-

INFRASTRUCTURE

Present details of departmental infrastructural facilities with regard to Departmental Library.

Total Books Number : 190

Internet facilities for staff and students

Total no. of nodes : 05

All staff members of the Department avail the internet facility.

Total number of class rooms : 03

d) Class rooms with ICT facility : 01

e) Students' laboratories : 02

f) Research laboratories : 01

CONTACT

Head,

Department of Botany

Yashwantrao Mohite College of Arts, Science and Commerce,

Bharati Vidyapeeth Deemed University, Pune 411 038

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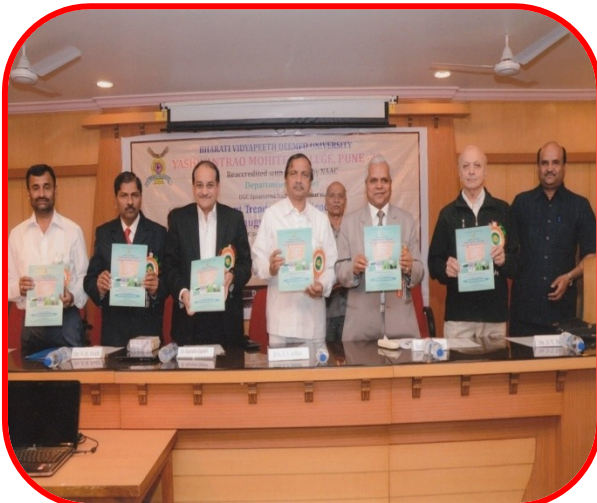
PHOTO GALLERY



National Seminar organized (2012 & 2015)



Inaugural of Seminar at the hands of Hon'ble Prof. S.N. Pathan, Vice Chancellor, STM, Nagpur University, Prof. Rajendra Jagdale, Director, STP, SPP University, Prof. S.T.Tilak and Prin. Dr. K.D.Jadhav.



Inaugural of Seminar at the hands of Hon'ble Prof. Rajasaab, Vice Chancellor, Tumkur University Tumkur (Karnataka) Prin. Dr. M.S.Sagare, Prof. B.B.Chaugule, Dr. S.Y.Kamble and Prof. S.T.Tilak



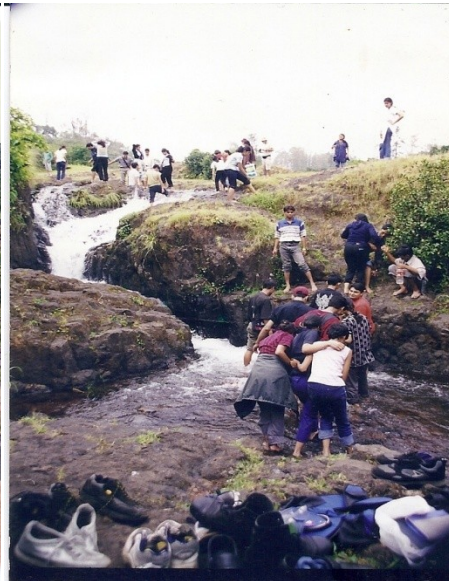
Inaugural of National Conference at the hands of Hon'ble Dr. Patangrao Kadam, Founder, Bharati Vidyapeeth.



Dr. Rajendra Shende, Nobel Laureate & team (21st February 2015).



Padma Shri and Padma Bhushan Hon'ble Dr. Vijay Bhatkar, (29th January 2016).



Study Tour at Kokan Krushi Vidyapeeth, Dapoli