

**DBT STAR COLLEGE ACTIVITIES**  
**DEPARTMENT OF BOTANY**

**Students Information**

Year	Dissertation/ Projects	Visit to institution /Industries	Summer training
2015-16	Workshop on botanical techniques on 13 to 15 July 2015	College of Agriculture – Mushroom cultivation unit, Tissue culture unit, and Floriculture unit on 16/07/2015	--
	Workshop on herbarium techniques on 19 Aug 2015 and 19 Sep 2015	Visit to Dr. Balasaheb Sawant Konkan Agriculture University, Dapoli, Dist. Ratnagiri on 21 and 22 January 2016	--
	Workshop on herbarium techniques – 24 to 30 Oct 2015	--	--
	Medicinal properties, chemical composition, therapeutic uses, cultivation practices and botany of <i>Cullen coryllifolia</i> , <i>Aloe vera</i> , <i>Withania somnifera</i> , <i>Asparagus racemosus</i> , <i>Justicia adhatoda</i> and <i>Plumbago zeylanica</i>	--	--
	Study of traditional use of few medicinal plants.	--	--
	Use of wild edible plants by tribal communities	--	--
	Ethnobotany	--	--
2016-17	Documentary on ‘Polyhouse’ - 08 <sup>th</sup> Oct 2016	Institutional visit to ‘Botanical and Herbal Garden; museum, and palm house’ at Savitribai Phule Pune University. 04 <sup>th</sup> Jan 2017	Hands-on-training on ‘Plant tissue culture technology.- 17 <sup>th</sup> to 22 <sup>nd</sup> Oct 2016
	Documentary on “Private Life of Plants” – 21/10/2016	--	--
	Documentary show; Models and Charts presentation - 13 <sup>th</sup> Dec 2016	--	--
	Competition on “Vegetable and Salad Decoration- 06 <sup>th</sup> Feb 2017	--	--
	Documentary on “Forest Ecosystem” - 19 <sup>th</sup> Jan 2017	--	--
2017-18	Screening of the TED lecture (by Tshering Tobgay) on Bhutan’s Carbon neutrality for SYBSc students-on 31/08/2017	Visit to ‘Pune Kisan Fair 2018’ - India’s Largest Agri Show at Moshi, Dist Pune on 16/12/2017	One day plant biodiversity survey for TYBSc students at Dongargaon, Mulshi, Dist. Pune on 04/12/2017

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	S.Y. and T.Y.B.Sc students participated in the intercollegiate competition 'BOTANICA' organized by Wadia College, Pune. On 24/01/2018	Department has organized one day visit for FYBSc and SYBSc students to the Bonsai exhibition 'Namaste Bonsai' at Sinchan nagar, Agriculture College ground on 23 <sup>rd</sup> Feb 2018	Quiz competition, Photography competition, Vegetable and fruit salad competition, and Eco-friendly Rangoli competition under 'BLUMA' activity – 01 <sup>st</sup> , 3 <sup>rd</sup> , and 6 <sup>th</sup> Feb 2018

### Guest Faculty Invited

Year	Name	Designation	Host Institute	Duration of Visit (Date and Time)	Topic of Lecture
2015-16	Dr. K.N. Dhumal	Retired Professor	Department of Botany, SPPU, Pune-07	05/10/2015	Career opportunities in life sciences
	Dr. Sunil Dalavi	Scientist	VSI, Pune	05/10/2015	Micro-propagation of medicinal plants
	Dr. Chandrakant Wakankar,	Retired trainer	WWF, Pune	25/01/2016	Assessment and monitoring of environmental indicators in Pune and peri-urban area.
	Dr. Madhurita Dixit	Retired Professor	Department of Chemistry, SPPU, Pune-07	05/02/2016	Food magic
2016-17	Dr. Abhijeet Shirke	Manager	Shirke Energy, Pune	21/09/2016	Bio-energy
	Dr. Nitin R. Karmalkar	Professor	Dept. of Env. Sci, SPPU, Pune	14/12/2016	Climate Change and Ecology
	Prof. V.R. Gunale	Retired Professor	Dept. Of Botany, SPPU, Pune	14/12/2016	Ecosystem Structure and Function
	Dr. B.B. Nath	Professor	Dept. of Zoology, SPPU, Pune	15/12/2016	Use of small bio-indicator animals for monitoring climate change and abiotic ecological factors.
	Prof. P.D. Safai	Scientist	IITM, Pune	15/12/2016	Composition of Atmospheric Aerosols and Rain water over Pune Region
	Prof. S.P. Jogdand	Retired Professor	Bharati Vidyapeeth, Pune	28/01/2017	Aerobiology
	Dr. Nutan Malpathak	Professor	Dept. of Botany, SPPU, Pune	06/03/2017	Basic techniques in Plant Tissue Culture
	Dr. Sunil Dalvi	Scientist	VSI, Pune	07/03/2017	Skill development programme in Plant

					Tissue Culture Technique
	Dr. Anjan Banerjee	Professor	IISER, Pune	08/03/2017	Applications of Plant Tissue Culture Technique
2017-18	Dr. S.B. Jogadand	Rt. Professor and Scientist	Dr. B.A. Marathwatha University, Aurangabad	22/12/2017	Mites
	Dr. Sudhakar Kurhade	Asso. Prof.	Dept. of Zoology, New Arts, Commerce and Science College, Shevgaon, Ahmednagar.	22/12/2017	Avian Diversity and its conservation.
	Dr. Rajendra Salunkhe	Asso. Prof.	Indapur College, Indapur	22/12/2017	Snake Diversity in Maharashtra.

#### List of New:

Year	Techniques	Practical	Demonstrations	Minor Research Projects	Inter-departmental activities
2015-16	Herbarium techniques	DNA isolation by Agarose Gel Electrophoresis	Micro-propagation of medicinally important plants	--	--
	Botanical techniques	--	--	--	--
2016-17	Vegetable and Salad Decoration	--	Demonstration of Plant propagation techniques	--	Conference on Climate Change and Ecology
2017-18	--	--	Demonstration of Plant propagation techniques	--	Seminar on Biodiversity Protection, Preservation and Remediation

#### Impact of DBT Support (at least five attachments)

Parameter	Achievements
Changes in cut-off %	40%
Higher enrollment in science	20%
Higher % of admission in PG	15%
Any other information	--