

Department of Botany
Workshops / Training Programmes

Title	Date	Duration	No. of Participants
Experimental work on “ Preparation of Ayurvedic and Siddha Medicine ” using medicinal plants to study binomial nomenclature, description of plants, active principle and medicinal properties.	Sep. 2009	1 day	31
Training Programme on ‘ Bioinstrumentation ’	25.1.2010– 28.1.2010	4 days	50
Training Programme on “ Kitchen Garden, Flower Arrangement and Vegetable Carving ”	5.2.2010 & 15.2.2010	2 days	50
Training Programme on “ Techniques on Molecular Biology and Genetic Engineering ”	17.2.2010 & 25.2.2010	2 days	42
Training Programme on “ Processing of Fruits and Vegetables ” (Nutritional Aspects)	Sep. 2010	2 days	31
	Aug. 2011	2 days	31
	2.7.2012 – 5.7.2012	2 days	39
Hands on Training on “ Mushroom Cultivation ” (Life Cycle Study)	12.9.2010	1 day	39
	July 2011	1 day	39
	Sep. 2012	1 day	31
Training on “ Flower arrangement ” to learn the horticultural varieties in flowers, their binomial (names), preservation techniques and commercial uses.	Feb. 2011	1 day	39
Training in “ Mycological Techniques ” (Fungal Isolation, culturing and isolation)	13.2.2012– 15.2.2012	3 days	39
	5.3.2013 – 7.3.2013	3 days	31
Training in “ Molecular Biology Techniques ”	5.3.2012 – 6.3.2012	2 days	50
	6.3.2013 – 7.3.2013	2 days	39
Workshop on “ Histochemical Tests for Phytoconstituents of Therapeutic Value, Organoleptic study of Medicinal Herbs and Microscopic Analysis of Powdered Drugs ”	13.9.2012– 15.9.2012	3 days	39
One day training programme on Processing of Fruits and Vegetables on various preservation	July 2 & 5 2013	3 days	23

techniques and their nutraceutical value at Rajaji Bhavan			
Hands on Training on Mushroom Cultivation to learn the life cycle and economic importance of fungus (Pleurotus sp)	October 4, 2013	1 day	47
Workshop on “Histochemical Tests for Phytoconstituents of Therapeutic Value, Organoleptic study of Medicinal Herbs & Microscopic Analysis of Powdered Drugs” supported by Department of Biotechnology under star College scheme	Oct. 4 & 5, 2013	2 days	35
Hands on Training on “Tissue Culture”	Nov. 23 – 25, 2013	2 days	37
Training on Molecular Biology Techniques	Feb. 17-21, 2014	5 days	37
Training in “Mycological Techniques”	Mar. 5 & 6, 2014	2 days	47

Guest Lectures

2009- 2010

Name of the External Expert	Title of the Lecture	Designation & Host Institute
Dr. A. Annamalai	Biodiversity	Chief Conservator of Forest and Director, Dept. of Environment, Tamil Nadu Forest Department
Dr. Narasimhan	Introduction to Ethnobotany	Associate Professor, Madras Christian College, Chennai
Dr. Bhavani	Microbiology & Preparation of Wine & Yogurt	Associate Professor, Women's Christian College, Chennai
Dr. Udayaprakash	Preparation of Citric Acid	Associate Professor, SRM University
Ms. Vaideki	Bonsai Techniques	Associate Professor, The Urban Horticulture Development Centre
Dr. Balusami	Biodiversity in Algae	Associate Professor, Madras Christian College, Chennai
Ms. Rosaline Saverirayan	Molecular Diagnostics: Assays and Research	Faculty & Research Associate, University of Chicago Medical Centre
Dr. Agastian	Mushroom Cultivation	Head, Dept. of Botany, Loyola College, Chennai
Dr. Velmurugan	Flower Arrangement and Kitchen Gardening- Lecture cum Demo	Assistant Professor, Urban Horticulture Development Center, Anna Nagar
Chef. Vinodh	Vegetable and fruit carving Lecture cum Demo	Chief Chef, Sai Institute of Carving

2010-11

Name of the External Expert	Title of the Lecture	Designation & Host Institute
Dr. Mujeera Fathima	“Environmental Biomonitoring”	Associate Prof. and Head, Dept. of Plant Biology and Plant Biotechnology, Govt. Arts College, Nandanam, Chennai
Dr. Bhavani. T	Lecture cum demonstration	Associate Professor, Dept. of

	on Fermentation - Yoghurt and Wine Preparation	Botany, Women's Christian College, Chennai
Dr. Agustian	Lecture cum demonstration on Mushroom Cultivation	Associate professor, Dept. of Botany, Loyola College, Chennai
Dr. Uma Rajan	Practical demonstration on Environmental Toxicology	Associate Professor, Pachaiappas College, Chennai

2011-2012

Name of the External Expert	Title of the Lecture	Designation & Host Institute
Dr. Udayaprakash	Citric acid production and Culturing of Penicillium.	Associate Professor, Veltech University
Dr. VijayaParthasarathy	Applications of Algae.	Former Head, Dept. of Botany, Stella Maris College
Dr. MujeeraFathima	Environmental Biomonitoring	Associate professor, & Head, Dept. of Botany, Govt. Arts College, Nandanam

2012-2013

Name of the External Expert	Title of the lecture	Designation & Host Institute
Dr. Mujeera Fathima	Gene Transfer in Plants	Professor, Govt. Arts College, Nandanam

2013-2014

Name of the External Expert	Title of the lecture	Designation & Host Institute
Dr. Anitha,	Introduction to Siddha	Assistant Professor, Sri Sairam Siddha Medical College and Research Centre, Tambaram
Dr. Bhavani	Fermentation Technology and Wine making	Associate Professor, Women's Christian College
Dr. Uma Rajan	Effect of Toxic substances on Mitosis of Onion roots	Head, Department of Botany
Dr. Rajkumar	Food Pathogens	Senior Faculty, Hubert Enviro Care Systems

Exhibitions

2010-11

Department	Details
Botany	Exhibition on Bonsai Plants in collaboration with Bodhi- Chennai Bonsai Association

2011 – 12

Department	Details
Botany	Aug. 26, 2011 - Exhibition on Nutritional aspects of Mushroom and its cultivation, Nutraceutical and Pharmaceutical properties of spices and condiments

2012-13

Department	Details
Botany	<ul style="list-style-type: none">• Exhibition of Traditional Cereals and Grains, Tribal Medicines, Products and Practices was organized in connection with the National Conference on “Role of Traditional knowledge in Biodiversity Conservation, Livelihood and Sustainable Development” from February 5-6, 2013.• Students explained the significance of inclusion of Navadhanya in everyday diet.

Seminars/Conferences

Department	Details
Botany	<ul style="list-style-type: none">• National Conference on “Role of Traditional Knowledge in Biodiversity Conservation, Livelihood and Sustainable Development” in collaboration with C.P.R. Environmental Education Centre on February 5 & 6, 2013.
Chemistry and Botany	A Three day Workshop on “ Solid and Liquid Waste Management ” for faculty from various departments (Nov.30 – Dec.2, 2011).

Industrial / Laboratory / Exposure Visits

2009-2010

Department	Particulars
Botany	<ul style="list-style-type: none">❖ Visit to Spirulina and Mushroom Farm, Nallayan Research Centre for Sustainable Development, Navalloor on August 1, 2009.❖ Visit to Irula's Tribal Welfare society, Thandarai on Aug. 20, 2009 as part of Service Learning programme (III Years), Phytotherapy and Ethnobotany and Plant Collection for Taxonomy) II Years.❖ Visit to Ecotel, Raintree Hotel on September 25, 2010.❖ Visit to Packaging and Printing Factory ITC (Imperial Tobacco Company), Wimco Nagar as part of their Food Packaging and Post Harvest Technology (Vocational Students) on December 14, 2009.❖ Visit to Plant Tissue Culture Laboratory, Loyola College – January 12, 2010❖ The Vocational Students (II Years) participated in a seminar on Opportunities for Biotechnologists in Food Processing industries organized by Loyola College in Collaboration with Lille Catholic University, France on February 9, 2010.❖ Visit to plant Tissue Culture laboratory, Noni Biotech Pvt. Ltd., World Noni Research Centre, Sholinganallur on February 9, 2010.❖ Visit to Lalit kala Academy – Exhibition, Lecture cum demonstration on Bonsai and Ikebana on Feb. 25 & Mar. 5, 2010.

2010 – 2011

Department	Particulars
Botany	<ul style="list-style-type: none">❖ Visit to Kovalam Seashore to study the habitat of sea weeds and to learn Herbarium techniques for Marine Algae – 12 September, 2010❖ Visit to Irulas Tribal Women's Welfare Society at Chengalpet to study the medicinal value of herbs and visit to the seed bank centre And to study biodiversity of higher plants and for the collection of plants for herbarium preparation – 18 August, 2010❖ Organised Tree Walk along with Nizhal at different locations of the city

2011-2012

Department	Particulars
Botany	<ul style="list-style-type: none"> ❖ Visit to Kovalam Seashore to study the habitat of sea weeds and prepared Herbaria of Marine Algae at the seashore – I year Students 18 July 2011 ❖ Visit to Irulas Tribal Women’s Welfare Society at Chengalpet to study the medicinal value of herbs by II year Students And to study Biodiversity of higher plants and for the collection of plants for herbarium preparation by II year Students 11 August 2012 ❖ Exposure visit to Ecotel, Raintree Hotel by I year Students

2012-2013

Department	Particulars
Botany	<ul style="list-style-type: none"> ❖ Laboratory visit for III year students to School of Biotechnology, Sathyabama Deemed University on August 8, 2012. ❖ Visit to Kovalam Seashore to study the habitat of sea weeds and to learn Herbarium techniques for Marine Algae by I year students on August 10, 2012. ❖ Visit to Thandarai, Chengalpet to study biodiversity of higher plants and for the collection of plants for herbarium preparation by II year students on August 11, 2012. ❖ Visit to CFTRI, Mysore by III year students on August 23, 2012. ❖ Visit to Irulas Tribal Women’s Welfare Society at Chengalpet to study the biodiversity and medicinal value of herbs by II year students on August 23, 2012. ❖ Eco industrial visit for I and II year students to Larsen & Tourbo EDRC Green Building, Manapakkam on February 19, 2013.

2013-2014

Department	Particulars
Botany	<ul style="list-style-type: none"> ❖ Eco industrial visit for III year Plant Biology and Plant Biotechnology students to school of Biotechnology, Sathyabama Deemed University and Larsen & Tourbo EDRC Green Building, Manapakkam August 8, 2013. ❖ Visit to Nallayan Research Centre for Sustainable Development – Spirulina Farm on 16 August, 2013 – I Years – to learn morphological features and cultivation technique of Azolla and Spirulina

	<ul style="list-style-type: none"> ❖ Visit to Kovalam Seashore to study the habitat of sea weeds and to learn Herbarium techniques for Marine Algae by I year Students on Aug. 16, 2013 ❖ Visit to Irulas Tribal Women’s Welfare Society at Chengalpet to study the biodiversity and medicinal value of herbs by II year Students.(August 24, 2013) ❖ Visit to MGR University by III Year students to learn about the latest Research undertaken in Molecular Biology, Genetics and Biotechnology laboratories, February 28, 2014.
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Manuals prepared by the faculty members

- ❖ Workshop manual on Mycological Techniques (2011-12)
- ❖ Workshop manual on Molecular techniques (2011-12)
- ❖ Laboratory manual on Food Microbiology (2011-12)
- ❖ Workshop manual on Histochemical Tests for Phytoconstituents of Therapeutic Value, Organoleptic study of Medicinal Herbs and Microscopic Analysis of Powdered Drugs (2012-13)

❖ **Intercollegiate Competitions organised** – Several competitions were organized by the Science departments to make the students experience fun filled learning in their own disciplines. This event provided an opportunity for the students to meet one another, exchange ideas and views, and showcase their talents and organizational ability. The various events included Adzap, Dumbcharades, Junk Art, Debate, Creative Writing, Photography, Paper and Poster Presentations, Collage, Crossword, Myriad, JAM and Quiz. Students from 10 to 15 neighboring Colleges participated in this event.

Department	Year	Date
Botany – Astera	2009-10	January 29, 2010
	2012-13	October 3, 2012