

SHRIMATI INDIA GANDHI COLLEGE
TIRUCHIRAPPALLI – 620 002
(Nationally Accredited at 'A' Grade (3rd Cycle) by NAAC)
Department of Biochemistry
A Programme on “Husbandry of Organic Plants”

Date : 22.8.2015

The Department of Biochemistry organized a Program on Husbandry of Organic Plants on 22.8.2015. Ms. M.Rema and Ms. P.S. Vasantha, Vice-Principals of the College and Ms. P.Anitha, Head, Department of Biochemistry, inducted the function. Crops like ladies finger, brinjal, green chilies and tomato were planted K block garden. The soil was prepared from vermicomposed composite prepared by the department of Microbiology and Biochemistry at Santhanam Vidhyalaya. UG and PG students of each class planted the seeds in four different pots and one pot was used as control without any organic fertilizers. Vegetable waste of our hostel mess was also added to the soil while preparing the soil. Faculties of Department of Biochemistry also participated in the husbandry.



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Department of Biochemistry

Report on “Visit to Herbal Garden”

Date : 19.09.2015

The Department of Biochemistry Students go to “visit the Herbal Garden” at Santhanam Vidhyalaya, Tiruchirappalli on 19.9.2015. Students maintained the Herbs which have medicinal properties grown and its nutritional foods for health.

Dr.K.Meena, former Vice-Chancellor, Bharathidasan University also visited the Herbal Garden and interacted with the students regarding the medicinal properties of herbs. She advised the students to spread this knowledge to the nearby village, so that our community will also benefit out of this. To enhance the health of the students, nourishing food like drumstick leaves soup was served to the students along with corn flakes.



Ms.P.Anitha, Assistant Professor & Head, Department of Biochemistry Welcomed the gathering. Dr.K.Lakshmanan, Principal of Sri Jayendra Matriculation Higher Secondary School and Dr.S.Vidhyalakshmi, Principal of Shrimati Indira Gandhi College gave general awareness for herbs to the students.

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Department of Microbiology

Workshop on "Preparation of Vermicompost"

Date: 19.09.2015

The Department of Microbiology organized a Workshop on "Preparation of Vermicompost" for III B.Sc. Microbiology Students at Sri Jayendra Matriculation Higher Secondary School, Tiruchirappalli on 19.09.2015.

Dr.K.Meena, Former Vice Chancellor, Bharathidasan University, Tiruchirappalli addressed the students and motivated them to achieve higher goals. She also added that all types of biodegradable waste from Santhanam Vidhyalaya & Sri Jayendra Matriculation campuses are recycled into nutrient rich vermicompost by using earth worms. Twenty different herbal plants are grown using this value added nutrient rich vermicompost. She stressed on them importance of skill development in becoming an entrepreneur. Vermicomposting unit was also maintained by both the departments in which the composite material was worn-out leaves and litter from school Campus.

Dr.S.Shanthi, Assistant Professor, Department of Microbiology of presented a workshop on vermicomposting. After theory session Dr.K.Meena of Former Vice Chancellor, Bharathidasan University, Dr.S.Vidhyalakshmi of Principal, Shrimati Indira Gandhi College, Principal & Vice principal of Sri Jayendra Matriculation Higher Secondary School & Santhanam Vidhyalaya, visited the vermicompost pit.

Also during this iron & Vitamin rich drumstick leaves soup was served to the students along with cornflakes. Dr.K.Anandhi, Assistant professor & Head, Department of Microbiology proposed the vote of thanks.



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Department of Biochemistry

Summer Course cum workshop on

“Cultivation of Spirulina”

Date : 11.4.2016

The Department of Biochemistry conducted a Summer Course cum workshop on Cultivation of Spirulina” on 11.4.2016. Mr.T.S. Thanga Prabhakaran, M.Tech (Biotechnology)

Chief Executive Officer, M/s Bioelixir, Nellupattu, Pudur was the Chief Guest.

In his presentation he elaborated in detail how to cultivate spirulina and its uses. Spirulina is a microalga that has been consumed for centuries due to its high nutritional value and health benefits. Spirulina grows in microscopic spirals, which tend to stick together, making it easy to harvest. It is rich in protein, significant amounts of calcium, niacin, potassium, magnesium, iron, B vitamins, enzymatic and nonenzymatic antioxidants like SOD, Selenium.

It has potential therapeutic values hence it is used to reduce high cholesterol, Diabetes mellitus, as antioxidant, as Cardiovascular Therapeutics, to treat various mental and emotional disorders, including anxiety, stress and depression. A combination of zinc and Spirulina may help the body clear arsenic. The workshop was conducted at UG Biochemistry Laboratory. He also elaborated the quantity of chemicals, mother culture required to be cultivate at large and small scale. The cost of production and marketing strategies were also discussed. He also gave list of loan sanctioning agencies and tips to get them. Around 46 women participated in the programme and got benefited. Some participants were entrepreneurs.



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Students' Exnora

“Visit to Butterfly Garden”

23.12.2016

The Students' Exnora organized an Outreach Programme on **“Visit to Butterfly Garden”** at Melur road, Srirangam, Trichy on 23.12.2016 (Friday). 85 students' visited the Herbal Plants in the garden which have various medicinal properties. This park has a beautiful garden, fountain, a large butterfly glass house hut and also the park has an outer conservatory area to provide and facilitate an environment for butterflies to breed, procreate and complete its lifecycle on a perpetual basis under near natural conditions. The main attraction is Zodiac Park and Nakashtra Vanam. It has 27 varieties of plants corresponding to the 27 Nakshatra's (stars) and 12 plants corresponding to the 12 Rasi's. A large number of nectar plants and host plants are raised in the park by the forest authorities.

Students of III UG Biochemistry and Chemistry were benefited by this programme.



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DEPARTMENT OF BIOCHEMISTRY, Students Exnora and National Service Scheme

Outreach Programme on “A Visit to Pollution Free Environment and Solid Waste Management – Ponnampatti”

Date: 10.02.2018

The Department of Biochemistry along with Exnora and NSS went for an outreach programme on “A visit to pollution free environment and solid waste management – Ponnampatti”. Around 130 students and 5 faculty members participated in the programme. Students visited three units. In the first unit the executive officer Mr. Shahul Hameed, Ponnampatti Town Panchayat, received the students and arranged for a welcome gathering at “ValamMeetpuPoonga”. He explained about the various plant cultivation using organic fertilizer exclusively. The scavengers of that Panchayat demonstrated about the process involved in the collection of litter from Panchayat and preparation of organic manure. Students also visited vermicompost unit maintained by the Panchayat and got information through the member of the panchyat who explained the process involved in compost preparation. The officer explained to the students regarding the construction and maintenance of terrace garden. In the second unit solid waste management, biogas preparing process from cow dung and food waste, preparation of manure from fish and poultry waste, rain water harvesting technology, green house plantation, alternative source of electrical energy from sun by using solar panel was witnessed. In the third unit approximately more than 100 rare medicinal plants which were at the edge of extinction were maintained. Students were also trained to prepare soap. At the end of the session, the students interacted with the officers and gained knowledge regarding sustainable use of nature. They were gifted with plant saplings by the panchayat.

Nature Club 2015-2018
SHRIMATI INDIRA GANDHI COLLEGE
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DEPARTMENT OF MICROBIOLOGY & NATURE CLUB

“PLANTATION OF INSULIN HERBS”

Date : 20.8.2015

The Nature Club and Department of Microbiology organized a Programme on “Plantation of Insulin Herbs” on 20.08.15 in the College Campus. The aim of the activity is to create awareness about the plantation of endangered sugar free medicinal herbs. Diabetic is a pandemic disease it almost affect all age group (Infants to adults). The Herb is used for the treatment of diabetics that it is reduce the sugar level by increasing the synthesis of Insulin in our body.

In India this plant is commonly called as Insulin plant. Hence this programme create awareness among the students for reducing the diabetic by in taking the Herb Which does not cause any side effects it replace use of synthetic drugs.



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Nature Club & Exnora

“Bio-Walk”

Date : 2.3.2016

The Nature Club and Exnora organized a One Day Programme on “Bio-Walk” at the Butterfly Garden, Srirangam, Trichy on 2.3.2016. It is one of the Asia’s biggest garden in around 35 acres. The Garden has beautiful park, fountain, largest butterfly glass houses and hut to take rest & food. It contains enormous medicinal plants, ornamental plants and varieties of flowers which was attracted by various kinds of Butterflies. The main attraction of this garden could be “Zodaic Park” here the visitor can get a tree free of cost to plant & grow there own zodiac sign plant. This is called “Nakashtra Vanam”. Nearly 60 students of our club conduct a walk along with nature in this garden and gained knowledge various Herbs and their uses. It was very useful & informative trip to all our students.

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Dr. Muthulakshmi Reddy Women's Empowerment Study Circle, Exnora, Nature Club, Department of Biochemistry and Microbiology

Jointly organized a

“Green-Walk”

(on the eve of International Women's Day Celebrations to create an awareness among general public about the use of herbs)

Date : 7.3.2016

The Dr. Muthulakshmi Reddy Women's Empowerment Study Circle, Exnora, Nature Club, Department of Biochemistry and Microbiology jointly organized a “Green-Walk” (on the eve of International Women's Day Celebrations to create Awareness among general public about the use of herbs) on 7.3.2016 from Shrimati Indira Gandhi College to Santhanam Vidhyalaya.

The Rally was flagged by Dr. N. Murugeswari, Professor, Department of Women Studies, Bharathidasan University, Tiruchirappalli in the presence of Dr. M. Prabavathy, Head, Centre for Differently Abled Persons, Bharathidasan University, Tiruchirappalli, Principal and Vice Principals of the college.



More than 400 students participated in the rally holding the placards with thought provoking ideas regarding the medicinal use of herbs, preservation of water, prevention of all kinds of pollution and growing of greenery.



The students were then taken for a visit to the herbal garden and vermin compost to have a first hand knowledge of what is available there in Santhanam Vidhyalaya Campus.

**Dr. Muthulakshmi Redddy Women's Empowerment Study Circle
and Gender Club**

of

SHRIMATI INDIRA GANDHI COLLEGE

Tiruchirappalli – 620 002

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Jointly organized

**Lecture Programme on "Guidance and Counselling for Youth
Development"**

Date: 13.08.2016 (Saturday)

The Dr. Muthulakshmi Redddy Women's Empowerment Study Circle and Gender Club of Shrimati Indira Gandhi College Jointly Organized a Lecture Programme on "Guidance and Counselling for Youth Development" on 13.08.2016. Dr. N. Murugeswari, Professor and Publication Officer i/c Department of Women's Studies, BARD, Trichy was the Chief Guest. In her address she expressed Views on how Women are Stronger than Men both physically and mentally. She Motivated the Students to Create a Unique Talent to Reveal their Identity. She also insisted the Students to use Education as a Weapon to Solve Problems and to be independent. She quoted many incidents from the life of Swami Vivekananda and Dr. A.P.J. Abdulkalam to inculcate the Spirit for Facing Challenges and Aims to reach their Destination. She Enlightened the Participants by sharing her experiences on various issues related to Women and encouraged the Students to think differently and act accordingly to improve their Status in the Society. On the Whole it was a thought Provoking Session to all the Participants.



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TIRUCHIRAPPALLI- 620 002

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Staff Welfare Programme

on

“ISHA YOGA”

Date : 14.12.2015

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DEPARTMENT OF MICROBIOLOGY

A field visit on “Vermicompost Unit”

Date : 13.8.2016

The Department of Microbiology had organized a Programme on vermicomposting on 13.08.2016 in Jeyendra Matriculation Higher secondary school. The main concept of the field visit was to inculcate the students with the idea of organic farming using vermicomposting. Dr.S.Shanthi, Ms.G.Subashini and Dr.S.Vijayalakshmi, Assistant Professors, Department of Microbiology, SIGC have trained the students to prepare the vermicompost. In this programme 240 students of Microbiology actively participated and thoroughly learnt the techniques. The use of vermicompost is to establish an organic farming society. A practical demonstration of the preparation of decomposer, warm bed preparation was shown. The profits of vermicompost were explained with its yield, rehabilitation of soil, incubation, preservation and its environmental and financial benefits. The vermicompost helps in the reduction of chemical fertilizers and its harms to the soil. This field visit was very informative and useful for the students. It helps to create an organic and chemical free society in the future.



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“Tamil Literary club - Special Address”

Date : 18.08.2018

The Tamil Literary club met at the M.C.A Seminar Hall at 12.15 afternoon for an address by Swami Vimoothanandaji Maharaj at Y.Venkadeshwar Dikshathar M.C.A Seminar Hall, on the greatness of Swami Vivekananda and his message to the world. This initiative was a part of awakening moral and ethical values among students and to kindle the spirit of love for the Nation through understanding the greatness of Mother India, Swami Vimoothanandaji Maharaj elaborated on the lectures made by Swami Vivekananda at the world parliament of Religions, held at Chicago on September 11, 1893 and how he attracted the entire world especially the Americans through his words full of universal love, Truth hood and peace. His call for a unified approach to bring peace, self sufficiency, literacy, freedom and unity among races and cultures invoked confidence among Indians and earned them respect among other people of the world. His great ideals helped us to achieve freedom from the British rule. The very same principles should be followed by today's youth to fight against social evil, and to achieve greatness and rank high among the countries of the world in development, peace and fitness to live. The students were given several real life examples to understand their role in life and citizenship. Students participated enthusiastically and interacted with the Swamiji freely to improve their ideas. Around 200 students were benefited from the meet.

