

DEPARTMENT OF BIOTECHNOLOGY

2016 – 2017

WORLD ENVIRONMENT DAY

In connection with world Environment Day, Biotechnology Department of St. Mary's College organized an exhibition on the deforestation, aquatic toxicity, eutrophication, protection of endangered species and climate changes on 13-06-2016, at 9.30 am.



KNOW YOUR BLOOD TYPE

A new venture, 'Know Your Blood Type' was started by the department of Biotechnology to identify the blood groups of staff and students of St. Mary's college from 14-06-2016. It is a paid service offered by the department as an extension programme. Those who are interested in recognizing their blood groups can contact the department on every Fridays from 2.30 pm- 3.00 pm and their blood groups were determined.



VAN MAHOTSAV CELEBRATIONS

The Department of Biotechnology celebrated Van Mahotsav Day on July 12th 2016. An essay writing competition on "Vast Modernization versus Environment" was conducted for the students. Neelima N of II B.Sc. Biotechnology was selected as the winner of the competition.



WORLD HEPATITIS DAY OBSERVATION

World Hepatitis Day, observed on **July 28** every year, aims to raise global awareness of hepatitis — a group of infectious diseases known as Hepatitis A, B, C, D, and E — and encourage prevention, diagnosis and treatment. This year sees the first ever World Health Organization's Global Strategy for Viral Hepatitis, which sets a goal of eliminating viral hepatitis as a public health threat by 2030. As a part of this world wide venture, to make the elimination of viral hepatitis as our next greatest achievement, the Department of Biotechnology, St. Mary's College organized an awareness talk about the same. The talk “What I Need to Know about Hepatitis A???” was taken by Dr. Sheeja N A [Junior Administrative Medical Officer DMO (Health) Thrissur]. It was an informative and interactive session which leads both the students and teachers to know more about the hygiene that we should maintain in our daily lives which is the greatest preventive measure to be taken against the spread of Hepatitis.



ALZHEIMER'S DAY OBSERVATION

World Alzheimer's Day, **September 21st** of each year, is a day on which Alzheimer's organizations around the world concentrate their efforts on raising awareness about Alzheimer's and dementia. Department of Biotechnology observed Alzheimer's Day on 30th September 2016 by an awareness talk on Alzheimer's and related disorders by Mr. Sureshkumar O. P, representative from ARDSI and KSID. Pamphlets regarding the working of KSID and the precautionary measures to manage the incidence of dementia were distributed among the students. The programme started at 2.00 pm with a prayer song. Deepika V, HOD, Department of Biotechnology delivered the welcome speech and presented a memento to the chief guest as a token of gratitude. It was an interactive session and the programme concluded with a vote of thanks.



OZONE DAY OBSERVATION

September 16 was designated by the United Nations General Assembly as the **International Day for the Preservation of the Ozone Layer**. This year Department of Biotechnology celebrated Ozone day on 28th September 2016. A dance drama was performed by 1st year B.Sc. Biotechnology students in the open ground of the college. The programme inculcated the need for protecting the ozone layer. With their innovative ideas through a dance drama, students alerted the need for using environmental friendly and ozone protective measures.



WORLD HABITAT DAY CELEBRATION

World Habitat Day is observed every year on the first Monday of October throughout the world. The UN's World Habitat Day was first celebrated in 1986 with the theme "Shelter is My Right". To promote the idea that not only humans but also plants animals and birds require deserves a decent place to live the 3rd year students of Biotechnology department was taken for a visit to natural habitats like Bhoothathankettu reserve forest and Thattekad Bird sanctuary. The Thattekkad Bird Sanctuary has a rich and varied birdlife. Several species of birds, both forest birds as well as the water birds like Indian Cuckoo, Oriental Darter etc. visit the sanctuary. This visit alerted the students that the maintenance and protection of natural habitat is as important as creating a dwelling for human beings.



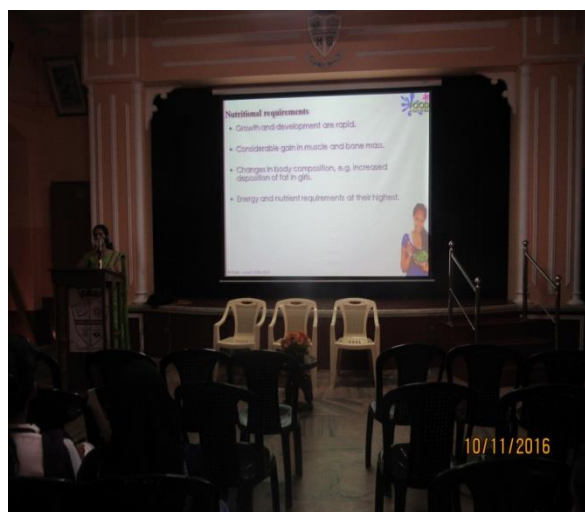
WORLD NUTRITION DAY OBSERVATION

The objective of World Nutrition Day is to promote safe nutritional care worldwide by increasing knowledge, awareness and nutrition monitoring and to bring attention to the importance of nutritional care for the patient's recovery. Every year, the World Nutrition Day is celebrated on November 10th. This year department organized an informative talk on "Food Today- Myth & Facts" by A. Sasidharan, Managing director, Wellness diet (P) Ltd. He explained various myths on different foods used today.



GENDER SENSITIZATION PROGRAMME

Dept. of Biotechnology conducted a Gender Sensitization Programme, in connection with World Nutrition Day on November 10th with an awareness talk on “Diet & Nutrition for Young Women” by Ms. Cindin John, Nutritionist and Dietitian, Elite Mission Hospital, Thrissur. She emphasized the importance of various protein and energy rich food in the diet of young women. She also highlighted the need for including a balanced diet in their food style.



WORLD NUTRITION DAY – EXHIBITION

Every year, the World Nutrition Day is celebrated on November 10th, in connection with that Dept. of Biotechnology organized an exhibition on various health products of Wellness Diet, Pvt Ltd on 10th November 2016. Exhibition was officially inaugurated by Dr. Sr. Marriette A Therattil, Principal of our College in the jubilee hall.



WORLD AIDS DAY

World aids day is celebrated every year all over the world on 1st of December, in connection with that the Department of Biotechnology conducted poster exhibition. The poster exhibition was officially inaugurated by Dr. Sr. Marriette A Therattil, Principal of our College in the Kalajyothi open stage. The posters focused on the theme “Hands up for HIV prevention”. It also encouraged the St. Marians to keep their commitment to achieve universal access to HIV/AIDS prevention, treatment, care and support.



HARITHA KERALAM-2016

The Department of Biotechnology conducted the Haritha Keralam programme on December 8th, 2016 as a part of environment related activities of the year. The programme was conducted in accordance with the instruction of Government of Kerala. All the second year degree students participated actively in the mission by cleaning all the areas in and around the Biotechnology lab. Though they were doing their practical on that day, the students efficiently utilized their time to finish the practical within the time and also they managed well to clean and organize the lab and premises neat and tidy.



IMA BLOOD DONATION CAMP

The Blood Donor's forum of Department of Biotechnology and NSS Unit of St.Mary's college in collaboration with Indian Medical Association organized a voluntary blood donation camp on 23rd January, 2017. The camp which began by 9.30 am ended up by 12 noon. 35 members voluntarily donated their blood in the camp. Room no.505 and 506 were utilized for a thorough medical check-up (weight, hemoglobin count and blood grouping) followed by consultation with the doctor for potential donors. Refreshments were provided.



NATIONAL SCIENCE DAY CELEBRATIONS

National Science Day is celebrated in India on 28 February each year to mark the discovery of the Raman effect by Indian Physicist Sir Chandrashekhara Venkata Raman on 28 February 1928.

In connection with National Science Day celebrations, Department of Biotechnology, St. Mary's College, Thrissur organized various programmes from 16-2-2017 to 28-2-2017 under the theme “Science and Technology- A Ray of Service to the Challenged (STARS)” with the sponsorship of Kerala State Council for Science, Technology and Environment and support of Department of Science and Technology, Govt. of India..For creating awareness among the students about the differently abled, field visits were arranged to ‘Ephphatha’, Speech and Hearing Centre, Punkunnam, Thrissur and to ‘Reach-Swasraya’, Centre for Differently Abled, Kuttur, Thrissur on 17-2-2017.



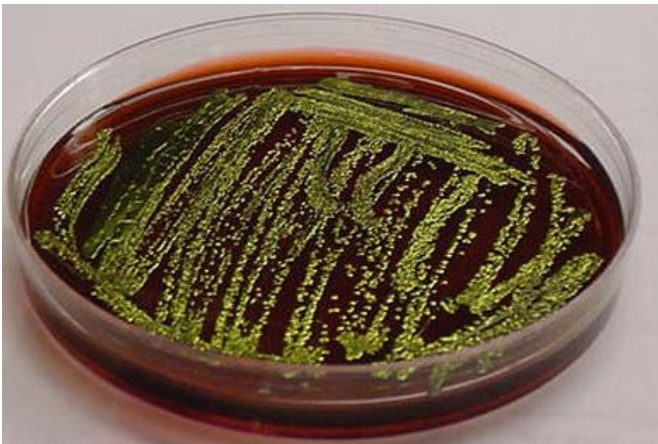
FOOD PACKETS FOR THE NEEDY

As a Year of Mercy, the St. Mary's College organized a program titled 'Karunardram'. This is done in order to help the poor with a pack of food for their lunch. The Biotechnology Department of St. Mary's College participated in the Karunardram on 3rd March 2017. The students of both UG and PG courses as well as the teachers brought an extra pack of lunch to distribute among the needy. By 11.am the food packs were collected in the college and handed over to the volunteers for distribution. There were a total of 109 packets collected and they were happily donated by the students to feed the less fortunate people.



ANALYSIS OF WATER QUALITY

Department of Biotechnology used to conduct the preliminary water quality analysis to check the presence of fecal contamination in the water samples of selected areas every year. This year we got 5 different samples from various localities of Thrissur- Kandassankadvu, Pulakode, Elanad, Chelakkara and Vadakkanchery. Potability of drinking water was checked by MPN (Most Probable Number) analysis. Among the samples tested, only Kandassankadvu sample had fecal contamination.



BIOZEST 2016-17

As a part of motivating and encouraging students to improve their research aptitude and skills, Department of Biotechnology used to release a science magazine called **BIOZEST** every year since 2014. This year biozest was released in the month march, which consists of various science articles collected by the students. This seems to be a great help in developing a positive attitude towards research in students.