

## Department of Microbiology

### Association Activities of the academic year 2014-15.

The mission of the Microbiology department is to create a centre of academic excellence in the field of education and research and to give an orientation towards global needs as responsible citizens. With an endeavour to promote the social commitment of students, the department conducted different awareness programmes. The programmes included exhibition, inter-departmental power point presentation competition and talks about the same.

#### 1.Set up of an ornamental garden – “Niravu” in connection with World

##### Environment day( 05-06-2014)

In connection with World Environment day, on 05-06-2014, 2<sup>nd</sup> and 1<sup>st</sup> PG students of Microbiology set up an ornamental garden – “Niravu”, atop the department building.



#### 2. Flash Mob on awareness about drug abuse(27-06-2014)

On 27-06-2014 – Flash Mob on awareness about drug abuse, performed by 3<sup>rd</sup> DC students of Microbiology, in connection with International Day against Drug abuse and illicit trafficking.



### **3. Exhibition- as part of Monsoon Fest (01-08-2014 & 02-08-2014)**

The students of 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> DC Microbiology Students put up a stall as part of the grand mela of two days (01-08-2014 & 02-08-2014) organised by St.Mary's College, on August 1<sup>st</sup> and 2<sup>nd</sup>, for raising student welfare fund. The stall which showcased a variety of activities like sale of ornaments, handicrafts etc made by the students, demonstration of mushroom & spawn production, sale of food items like tapioca, flavoured tea, pickles, sweets etc, still models on water purification, mehendi corner and more, won the best stall award. Stall also included an Exhibition on Monsoon diseases and its awareness.

### **4. Association Representatives Election (04-08-2014)**

Association Representatives Election was conducted on 04-08-2014

<b>Post</b>	<b>Name of the Student</b>	<b>Class</b>
President	Nileena P V	II PG
Vice President	Athira M R	III DC
Secretary	Anjali Krishna	II DC
Joint Secretary	Sameena	1 <sup>st</sup> DC
Treasurer	Sabha Kottayil	II DC
Committee Members	Divya O P	1 <sup>st</sup> DC
	Sreedevi P K	III DC
	Sachitha Bose D	II DC

### **5. Bridge course/Induction Course(08-08-2014 - 14-08-2014)**

Bridge course was conducted for I B Sc students from **08-08-2014 - 14-08-2014**, to generate interest in subject as well as to familiarize them with different branches of Microbiology.

<b>Faculty</b>	<b>Topics</b>	<b>Class</b>	<b>Date</b>
Dr C R Meera	General introduction to Microbiology	1st Sem B.Sc	12/8/2014
Dr Dhanya K C	Introduction to General Microbiology	1st Sem B.Sc	13/8/2014
Dr Mabel Merlen Jacob	Introduction to Industrial Microbiology	1st Sem B.Sc	14/8/2014
Smt Ruveena T N	Introduction to Environmental Microbiology	1st Sem B.Sc	15/8/2014
Smt Elizabeth P Thomas	Introduction to Medical Microbiology	1st Sem B.Sc	16/8/2014
Smt Geenat Paul	Introduction to Food Microbiology	1st Sem B.Sc	16/8/2014

### **6. Inauguration of Microbiology Association activities(19-08-2014)**

The Microbiology Association activities of the academic year 2014-15 was formally inaugurated by **Sri N.N.Gokul Das, Retired Professor of Sreekrishna College, Guruvayoor**, on 19<sup>th</sup> August 2014 at 1:30 p.m. in the Jubilee hall of St. Mary's College. The Chief Guest who is the President of Hemophilia Society, Thrissur and an active member of pain and palliative care, Thrissur delivered a talk on **“Cancer And Microbes”**. The chances of microbes to cause cancer and the studies of various renowned scientists in this regard it was discussed and the talk was followed by an interactive session.



### **7. UGC sponsored National Seminar “Microbes for Green Environment” (21-08-2014 & 22-08-2014)**

UGC sponsored National Seminar “**Microbes for Green Environment**” conducted by departments of Microbiology and Biochemistry on 21-08-2014 & 22-08-2014, on the manifold roles of microbes for maintaining and ensuring a green environment. Prof. **Dr. D J Bagyaraj**, Chairman, Centre for Natural Biological Resources & Community Development, Bangalore formally inaugurated the seminar on 21 August, 2014 at 11.00 am and delivered the keynote address on “**Microbial Inoculants for Sustainable Agriculture**“. The two day seminar included various talks on microbial biodiversity and use of microbes for bioremediation, biofertilizers, biopesticides, waste management etc. by various dignitaries from academic as well as scientific communities, and oral and poster presentations by researchers, faculty and students. The best papers were awarded in the Valedictory session which was chaired by **Dr. Binod Parameswaran**, Scientist, Division of Biotechnology, NIIST (CSIR), Trivandrum.



### **”Swach Bharath Abhiyaan”-Activites. (02-10-2014)**

On 2<sup>nd</sup> October 2014 as a part of 180<sup>th</sup> birthday of Mahatma Gandhi our central government organized a cleaning programme ”Swach Bharath Abhiyaan”. We, the students of St. Mary’s college celebrated this auspicious day by cleaning our college premises. The programme began at 9.00 am with prayer. Our principal Dr. Sr. Chrislin inaugurated the programme. Dr. Hemamalini, HOD, Department of Malayalam shared her views in this regard and this was followed by an oath taking ceremony by the staff and students with a conviction to keep our premises clean and making our India more hygienic



Following this, the students and faculty returned to their respective departments and cleaned the classrooms, laboratories, department premises etc. One group of 22 students (12 II PG students, 10 II BSc students) accompanied by our faculty, Dr. Meera C R and Ms. Elizabeth P Thomas, cleaned the college sports ground. The programme winded up at 11.30 am with sweet distribution.

As a part of “Swach Bharath Abhiyaan”, the Department of Microbiology cleaned the premises of Government juvenile home at Ramavarmapuram on 30th OCT 2014. Our team including 20 students of II MSc & II BSc students and 4 staffs visited the place and interacted with the inmates and the superintendent. The premises were cleaned following this and we returned to college by 3.30 pm.



#### **8. Invited talk on “Waste management”(31-10-2014)**

On 31<sup>st</sup> Oct 2014, an awareness talk was held by the Department of Microbiology on the topic “Waste management” by Dr. T N Jagadheesh Kumar, Professor, Instructional Farm, Vellanikkara at 10.30 AM in the college seminar hall. He elaborated on different waste management techniques with special emphasis on composting. He explained about different types of composting such as pit composting, pipe compost, vermicompost, biogas plant, thumbor muzhi compost, biobin etc. This interesting and informative session was followed by an interactive session where he clarified the doubts of the students.



The Department of Microbiology initiated tube composting to make use of our college food waste. Shredded newspapers and food wastes were added to the tube compost set up followed by the addition saw dust, soil and dried cow dung. The Department also initiated pot composting method to prepare manure for our roof top garden .

### **9. Free medical camp (9-11-2014)**

Department of Microbiology in association with Botany department and Alumni association of St. Mary's College, Elder Marians, organized a free medical camp and distributed medicine on 9.11.2014 from 10 am to 1 pm. Dr. T K Raveendran MD (Daya General Hospital, Thrissur), Dr. TK Joshy MBBS, DTA & H (Retd. Civil surgeon), Dr. (Capt.) George Varghese MBBS (Retd. Civil surgeon), Dr. K. Gopinathan MBBS, Dr. Rose Beena Wilson MBBS, BCCPM, Dr. Varghese James MBBS, DVD Dip. N.B., (Jubilee Mission Medical College, Thrissur) and Dr. Devi Pisharody MD, DCH (Retd. Civil surgeon and Jubilee Mission Medical College, Thrissur) offered consultancy to the patients at Chiyyaram St. Mary's Convent UP School. .



### **10. Invited talk on ““Women and Law”.”(11-11-2014)**

Department of Microbiology in association with law cell organized an awareness programme based on the topic “Women and Law”. The session began at 11:00 am. Advocate Mr. Sunil Kumar P, The member of Executive Committee, Jananeethi, Thrissur addressed the gathering and gave an informative talk on “Women and Law - issues and Concerns – A Legal Perspective”. The key objective of the talk was to familiarize about women rights from a gender perspective and to create an awareness about the rules and regulations of our constitution. In his talk he covered about different fields including problem faced by the women in different phases of their life from the prenatal stage to the old age. He also familiarized us with the laws for the women right which was passed in the recent years such as laws against domestic violence. He also specified about different rights of women such as UDHR and CEDAW. He concluded by mentioning that despite many successes in empowering women, numerous issues still exist in all areas of life, ranging from the cultural, political to the economic. The talk was followed by an interactive session. The session ended at 12:00 p.m.





### **11. Participation in the Southern India Science fair (8-1-2015)**

II BSc and I MSc Microbiology students were taken to visit the Southern India Science fair conducted at Thekkinkakadu maidan, Thrisur on 08-01-15 forenoon.

### **12. Hair Donation programme(15-1-2015)**

Hair Donation programme conducted by Department of Microbiology and NSS wing of St. Mary's College, in connection with CARE for HER - a RED FM initiative on 15-01-2014 at 8.30 am in the college ground. 33 volunteers came forward making it a memorable endeavour and establishing the record of highest number of donors in a campus in Kerala.



### **13. Participated in the curtain raiser of National Games (15-01-2015)**

All the Staff and students of the department participated in the balloon release on 15-01-2015, in association with the curtain raiser of National Games to be held in Thrissur.

### **14. Participation in the “Run Kerala Run” Programme(20-1-2015)**

All the Staff, I DC and PG students of the department participated in the “Run Kerala Run” programme on 20-01-2015, in connection with the National Games to be held at Thrissur.

### **15. Three day training programme on Hazard Analysis and Critical Control Point concepts(20-01-2015 to 22-01-2015).**

Department also organized a 3 day training programme on Hazard Analysis and Critical Control Point concepts. The resource person was Dr. N. Anandavally, UN-FAO Consultant in HACCP. II & III DC, PG students and one teaching staff attended the training programme.



### **16. Cancer awareness week (29/ January / 2014 to 4/ February/ 2015)**

In connection with World Cancer Day on 4<sup>th</sup> February, the department conducted the “Cancer Awareness week” from 29<sup>th</sup> January to 4<sup>th</sup> February, 2015. A one day exhibition with the theme “Diet and Cancer” was held on 4<sup>th</sup> February, 2015.

Department also conducted Paper presentation competition and Poster making competition in connection with Cancer Awareness week.

### **17. Valedictory Function of Microbiology Association Activities (30-3-2015)**

The Valedictory Function of Microbiology Association activities of the academic year 2014-15 was conducted on 30/3/2015 at 9:30 p.m. in AC Seminar hall of St. Mary's College. Certificates of Excellence throughout the academic year were distributed in the event. A talk on Career orientation by Kiran Kumar E, Director, Research World was also include in session.

### **18. Others**

As a part of Journal club activity of the department, the II M Sc students presented their project work in front of the PG and UG students. Each student made a 10 minute LCD presentation which was followed by an interactive session. All the Staff and M Sc students attended the Science Academies' two-day Lecture Workshop on **Frontier Areas of Biotechnology** on **January 16 & 17, 2015** at St. Mary's College, Thrissur