

## MICROBIOLOGY ASSOCIATION ACTIVITIES

Academic Year (2020-2021)

### 1. National Webinar on “Inflammation, Cancer & Nutraceuticals: How are they linked?”

Department organized a National Webinar on “Inflammation, Cancer & Nutraceuticals: How are they linked?” on 3<sup>rd</sup> June 2020, through Online GoToMeeting platform. Dr. Ajaikumar B. Kunnumakkara, Ph.D, Professor, Cancer Biology Laboratory, Department of Biosciences and Bioengineering, Indian Institute of Technology Guwahati, Guwahati, Assam-781039, India, (Coordinator, DBT-AIST International Center for Translational and Environmental Research (DAICENTER) at IITG, (Secretary: Society for Nutraceuticals and Chronic Diseases and Joint Secretary: Society for Translational Cancer Research), served as the resource person. Session was followed by active interaction and around 187 participants attended the webinar. E-certificates were provided to the participants.



The graphic is a promotional poster for a national webinar. It features a dark blue background with a microscopic image of cells. The text is arranged in several sections: a top section with the webinar title and date/time, a middle section with the organizing department and registration link, and a right-side section with a speaker's photo and detailed bio. The St. Mary's College logo is at the bottom center.

**NATIONAL WEBINAR ON  
INFLAMMATION, CANCER AND NUTRACEUTICALS:  
HOW ARE THEY LINKED?**  
Date: 03-06-2020  
Time: 10.30 am to 12.00 pm

By  
**DEPARTMENT OF MICROBIOLOGY**  
ST MARY'S COLLEGE, THRISSUR-20  
KERALA  
Registration link: <https://forms.gle/4CTm8HGxuUpx1aa8>

**INVITED SPEAKER**  
Ajaikumar B. Kunnumakkara, Ph.D.  
Professor,  
Cancer Biology Laboratory,  
Department of Biosciences and Bioengineering  
Indian Institute of Technology Guwahati,  
Guwahati, Assam-781039, INDIA.  
(Coordinator, DBT-AIST International Center for  
Translational and Environmental Research  
(DAICENTER) at IITG  
Secretary: Society for Nutraceuticals and  
Chronic Diseases  
Joint Secretary: Society for Translational Cancer  
Research)

### 2. World Environment Day Celebrations

World Environment Day Celebrations- 2020 was started an online awareness series “പ്രതിരോധം ജാഗ്രതയിലൂടെ” which was telecasted for general public. The

programs included Online Awareness series for general public about the precautions and preventive measures of COVID as well as of diseases that are spread during Monsoon. Videos were uploaded in the Youtube channel Marian Webisode, an initiative by IQAC of St. Mary's College, Thrissur. Details of programs are as follows:

Sl. No	Program	Name of Resource Person	Date
1.	<p>“പ്രതിരോധംജാഗ്രതയിലൂടെ- കൊറോണ നൽകുന്ന സന്ദേശം ” –</p> <p>An online awareness series for general public about the precautions and preventive measures for the pandemic COVID 19 and Monsoon Diseases</p> <p><a href="https://www.youtube.com/watch?v=G-yxvjoT4TU&amp;t=38s">https://www.youtube.com/watch?v=G-yxvjoT4TU&amp;t=38s</a></p>	<p>Dr C R Meera</p> <p>Assistant Professor &amp; HOD</p> <p>Department of Microbiology</p> <p>St Mary’s College, Thrissur-20</p>	13/05/2020
2.	<p>മഴക്കാലരോഗങ്ങൾ - ടൈഫോയ്ഡ്, കോളറ, എലിപ്പനി -അറിയേണ്ടതെല്ലാം</p> <p><a href="https://www.youtube.com/watch?v=nhazWXHxNg4&amp;t=222s">https://www.youtube.com/watch?v=nhazWXHxNg4&amp;t=222s</a></p>	<p>Dr Dhanya K C</p> <p>Assistant Professor</p> <p>Department of Microbiology</p> <p>St Mary’s College, Thrissur-20</p>	14/05/2020
3.	<p>പ്രതിരോധിക്കാം ചിക്കൂന്ഗൂനിയയെയും ജപ്പാൻ ജ്വരത്തെയും</p> <p><a href="https://www.youtube.com/watch?v=nA300SOoBeE&amp;t=87s">https://www.youtube.com/watch?v=nA300SOoBeE&amp;t=87s</a></p>	<p>Mrs Elizabeth P Thomas</p> <p>Assistant Professor</p> <p>Department of Microbiology</p> <p>St Mary’s College, Thrissur-20</p>	15/May/2020
4.	<p>മഴക്കാലരോഗങ്ങൾ -അറിയാം, അകറ്റാം, മലമ്പനിയുംവൈറൽ പനിയും</p>	<p>Dr. Mabel Merlen Jacob</p> <p>Assistant Professor</p> <p>Department of Microbiology</p>	16/May/2020

	<a href="https://www.youtube.com/watch?v=alD7jAEAr9o">https://www.youtube.com/watch?v=alD7jAEAr9o</a>	St Mary's College, Thrissur-20	
5.	മുൻകരുതലിലൂടെ അതിജീവിക്കാം മഞ്ഞപിത്തത്തെയുംനിപ്പയെയും <a href="https://www.youtube.com/watch?v=naCOeENW7gE&amp;t=4s">https://www.youtube.com/watch?v=naCOeENW7gE&amp;t=4s</a>	Dr. Greeshma P V Assistant Professor Department of Microbiology St Mary's College, Thrissur-20	17/May/2020
6.	ഡെങ്കി പനിയും കുരങ്ങു പനിയും- സൂക്ഷിച്ചാൽദുഃഖിക്കേണ്ട <a href="https://www.youtube.com/watch?v=GzGI4TzVH DU&amp;t=5s">https://www.youtube.com/watch?v=GzGI4TzVH DU&amp;t=5s</a>	Dr. Athul Sandeep P Assistant Professor Department of Microbiology St Mary's College, Thrissur-20	18/May/2020



### 3. International Webinar on “Pharmaceutical and Non-pharmaceutical Interventions for the Management of COVID-19”

An International Webinar on “Pharmaceutical and Non-pharmaceutical Interventions for the Management of COVID-19” was organized by the Department on 24th June 2020, through Googlemeet. Dr Sharda Awasthi, Specially Appointed Assistant Professor, Osaka Prefecture University, Japan, was the invited speaker of the programme and around 150

participants attended the webinar. Session was followed by an interaction and E certificates were provided to the attendees.

**Department of Microbiology,  
St. Mary's College, Thrissur**

**INTERNATIONAL WEBINAR**

**Pharmaceutical and Non-pharmaceutical  
Interventions for the Management of COVID-19**

**DR. SHARDA AWASTHI**  
Specially Appointed Asst. Professor  
Osaka Prefecture University, Japan

**Date : 24/06/2020**  
**Time: 1.30-2.30 pm**

Registration Link <https://forms.gle/izCcmkY1mNMt7WTx9>

#### 4. Microbiology Association Election

Microbiology Association Election for the academic year 2020 -2021 was conducted on 21/July/2020. The newly elected members of the association is given below. I DC member was not elected as classes were not started and selected in the late October when their classes commenced.

SI No:	Name	Class	Position held
1	Dhanusha J Nair	II PG	President
2	Angel Mary P Wilson	III DC	Vice President
3	Akshaya C S	III DC	General Secretary
4	Anagha Suresh	III DC	Treasurer
5	Ankitha Menon	II DC	
6	Jyothis K Timothy	II PG	Association Representatives
7	Ameena Sherin	I PG	
8	Gayathri Suresh	III DC	
9	Neeraja	II DC	
10	Anitta Biju	I DC	



## **5. Microbiology Association Inauguration & National Webinar on “Lifestyle and Cardiovascular Diseases”**

Microbiology Association inauguration (2020-21) and National level webinar was conducted on 25<sup>th</sup> July 2020. Dr Mini S, Professor & Head, Department of Biochemistry, University of Kerala, Kariavattom, Thiruvananthapuram, inaugurated the Microbiology Dr Mini delivered a session on “Lifestyle and Cardiovascular Diseases”. The very informative and thought provoking session was followed by interaction and around 217 participants attended the same. Program was conducted through Online Google Meet platform and E certificates were given to the participants.

## **6. International Webinar on “ABC Transporters - Mechanistic Insights from Electron Spin Resonance Spectroscopy”**

An International Webinar on “ABC Transporters - Mechanistic Insights from Electron Spin Resonance Spectroscopy “ was organized on 5<sup>th</sup> October 2020 through Google meet platform. Dr Benesh Joseph, Research Group Leader, Department of Biophysics, Goethe University, Germany, was the invited speaker and around 173 participants were in the webinar. An interactive session was followed and E certificates were provided to the participants.



## **7. Induction Programme for I DC**

### **DAY 1- 09/11/2020**

Induction course for I DC Microbiology students was started on 9/11/2020. Day 1 session was from 12.30pm to 2.30 pm on virtual platform using Google meet. First session was to introduce the faculty members of Microbiology Department. All faculty members of our Department introduced themselves and also interacted with students of I DC batch. It was followed by a power point presentation on “Microbiology Department Overview and the Course Details”. Presentation was given by Dr C R Meera, HOD. Presentation included the History, Vision and Mission, Faculty details, Courses offered, Academic excellence of last 5 years, Facilities available, Teaching methods and other Student Support Programmes, Awards instituted by the Department, Community extension activities etc. It was followed by a detailing on CUCBCSS system, including the papers in each semester, internal and external evaluation and grading system. After the session, an interaction was carried out for the students to clarify their doubts.

### **DAY 2- 10/11/2020**

On Day 2, induction program was conducted from 12.30 pm to 2.00 pm in Biochemistry classroom (G-meet). The session was handled by Dr Deepa G Muricken. The program started with self-introduction of students. Students were introduced themselves regarding their family, hobbies and ambition.

Students were given an assignment to write and think about a family member who influenced them. Students mentioned their family and showered gratitude towards them. All students actively responded to the assignment.

<https://classroom.google.com/u/3/c/MjE0MjgxODQ5MDc2>

To encourage the interactions between the students and also to develop their abilities and consideration for the society students were assigned a skit on gratitude to people surrounding them. They developed the script and edited and played the skit in classroom on “A Tribute to Our Real Super Heroes”. Students gave a positive impact on the assignment and made it

a big success. It was also telecasted in Marian Webisode, Youtube channel of St Mary's College, Thrissur.

Link: <https://youtu.be/aiIbswgJuzQ>

### **DAY 3- 11/11/2020**

Induction Programme Day -3 for I DC students was conducted from 1pm to 3pm on Google meet online platform. Dr C R Meera, handled the session and shared some of her experiences with students in the last few years. Different life situations of students and responses from their classmates, positive as well as negative were discussed. Also encouraged the students to share how they will respond to such situations. Students actively interacted during the session and also shared some of their unforgettable experiences from classmates. So a decision was taken to create “10 Golden Rules” to be followed by all I DC Microbiology students for the happy and healthy co-existence in the coming 3 years. Students were divided into 4 groups and an Assignment was given to make “10 Golden Rules” they wish to implement in their class.

Students were made aware of the importance of finding some time daily for physical activity and hobbies to maintain a good mental health. Most of the students had no habit of doing any exercise. Students shared about their hobbies and the happiness that provide them. Also discussed about various hobbies they can adopt like painting, embroidery, flower making, pot painting, dancing, singing etc. Also suggested students to try hobbies like setting up kitchen garden, indoor and outdoor garden. Together, a decision was taken to spend 30 minutes each for physical activity and hobbies every day. Students can opt any exercise like walking, jogging, cycling, yoga, Zumba, meditation etc. After discussion, exercise time was fixed as 6.30 to 7 am.

### **DAY 4- 12/11/2020**

Induction program on 12th Nov, 2020, was from 12.30 pm to 2.00 pm. Students were assigned debate competition on the topic Traditional teaching v/s online teaching. Most of the students actively participated in the debate. Class was divided into groups based on their registration no. and each group effectively communicated their ideas. Groups were led by the students Vishnupriya and Anett. Students pointed out their views on both types of

teaching and the discussion was concluded by the concluding remarks of mentor. Dr. Deepa G Muricken. Students were also given discussion on the topic Social values and social justice for sometimes or every-times. A thorough discussion followed on the respective topic and pointed out the difference in social justice and personal justice.

### **DAY 5- 13/11/2020**

On Day 5 of induction programme, the you tube link <https://youtu.be/FGh0iduZOJQ> of a documentary “The Other Pair” was shared and students were asked to watch it and share their reviews. The students actively participated in it. Each of them discussed in few sentences the human values shared in the documentary such as love for fellow beings, understanding, caring and sharing, doing one’s best to make life better for others and making the correct choices. The importance of not judging others and not getting involved in the rat race of today’s world was also discussed. The session closed with the positive thinking that life is best lived when we grow together despite our diversities. Dr Dhanya K C and Dr Mabel Merlen Jacob handled the session.

In connection with Children’s Day on Nov 14<sup>th</sup>, I DC students created a video and was also telecasted in Marian Webisode, Youtube channel of St Mary’s College, Thrissur.

Link: <https://youtu.be/RCWvfts9YR4>

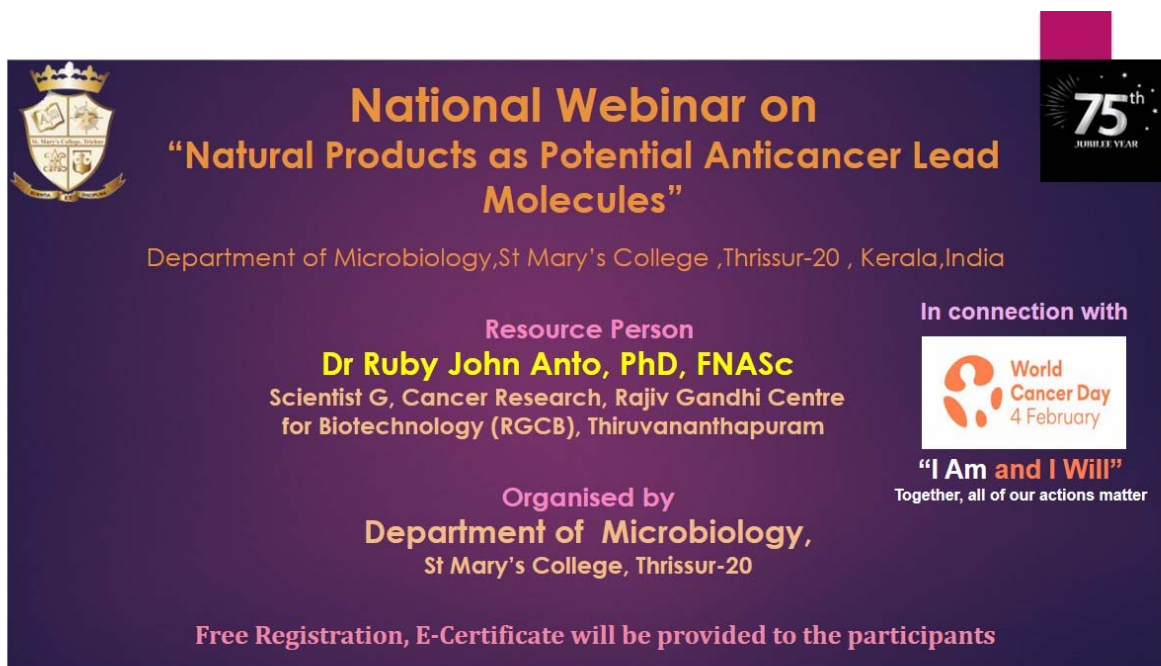
Following classes were also conducted by faculty members as part of induction programme to familiarise the students with various fields and scope of Microbiology.

<b>Faculty</b>	<b>Topics</b>	<b>Date</b>
Dr C R Meera	Discovery of Microorganisms- History at a glimpse	23/11/2020
Dr Dhanya K C	Past, present and future of Microbiology	24/11/2020
Dr Mabel Merlen Jacob	Introduction to Industrial Microbiology	25/11/2020
Mrs Ruveena T N	An introduction to Agricultural Microbiology	26/11/2020
Mrs Elizabeth P Thomas	Introduction to Medical Microbiology	27/11/2020
Dr Mrs Greeshma P V	Introduction to Food Microbiology	28/11/2020




## 8. Cancer Awareness Programme 2021

In connection with World Cancer Day on February 4<sup>th</sup>, Department organised Cancer Awareness Programme 2021. Theme of the programme was “I am and I Will- Together all our actions matter”. Intercollegiate awareness video making competition and online poster making competitions were conducted. Last date for online submission was 28/2/2021. Angel Maria Wilson P, III B Sc Microbiology, St Mary’s College, Thrissur and Alat K Sebastian, IV Sem B Sc Biotechnology, MES College, Marampally, Aluva, were the winners of awareness video and Poster making competitions respectively. A cash prize of 1 K and certificates were awarded to the winners. Also a National Webinar was conducted on 11/2/2021 from 2 to 3 pm on the topic “Natural products as potential anti-cancer lead molecules. Resource person was Dr Ruby John Anto, Ph D, FNASc, Scientist G, Cancer Research, Rajiv Gandhi Centre for Biotechnology (RGCB), Thiruvananthapuram.



The poster is a dark purple rectangle with white and yellow text. On the top left is the St. Mary's College crest. On the top right is a black square with '75th JUBILEE YEAR' in white. The main title is in yellow. Below it is the location. The resource person's name and title are in yellow and white. To the right is the World Cancer Day logo and slogan. The organizer's name is in white. At the bottom is the registration information in white.

 **National Webinar on**  
**“Natural Products as Potential Anticancer Lead Molecules”**

Department of Microbiology, St Mary's College , Thrissur-20 , Kerala, India


**Resource Person**  
**Dr Ruby John Anto, PhD, FNASc**  
Scientist G, Cancer Research, Rajiv Gandhi Centre  
for Biotechnology (RGCB), Thiruvananthapuram

**Organised by**  
**Department of Microbiology,**  
St Mary's College, Thrissur-20

**Free Registration, E-Certificate will be provided to the participants**

**75<sup>th</sup>**  
JUBILEE YEAR

**In connection with**

 **World Cancer Day**  
4 February

**“I Am and I Will”**  
Together, all of our actions matter

## INTERCOLLEGIATE COMPETITIONS



➤ Awareness Video Making Competition ( 2 Min Video)  
I Prize (1K & Certificate)

➤ Online Poster Making Competition  
I Prize (1K & Certificate)



### Theme

“I Am and I Will”

Together, all of our actions matter

Last Date : 28 / 02 / 2021



## Organizing Committee



Dr Sr Magie Jose, Principal, St Mary's College, Thrissur

### TEAM MICRO

Dr C R Meera (Co-ordinator)

Dr Dhanya K C (Assistant Co-ordinator)

Dr Mabel Merlen Jacob (Assistant Co-ordinator)

Mrs Ruveena T N

Mrs Elizabeth P Thomas

Dr Greeshma P V

Ms Dhanusha J Nair (Student Co-ordinator)

Ms Anagha Suresh T (Student Co-ordinator)

### For Details Contact:

[microbiology.dept@smctsr.ac.in](mailto:microbiology.dept@smctsr.ac.in)

Mob:9495369274; 9947496077;

8129442956

## 9. Valedictory function

Valedictory function of Microbiology Association was conducted on 3/March/2021. Awards instituted by Department of Microbiology was distributed to the outgoing III DC & II PG students. Award winners of the academic year 2020-2021 were as follows:

SI No:	Name	Award
1	Best Character Award	Shahala
2	Silent Performer	Aswathy P Madhu
3	Lab Performer	Akshaya C S Swetha John
4	All Rounder	Angel Maria P Wilson
5	Nightingale	Muralika K M
6	Artistic Hands	Megha
7	Academic Excellence	Anagha Suresh Nimitha Elizabeth
8	Full attendance	--
9	Best Performer	--