


List of activities for the Department of Microbiology

2020 -2021

Invitation:



**DWARAKA DOSS GOVERDHAN DOSS
VAISHNAV COLLEGE**
*(Linguistic Minority Institution)
College with potential for excellence*

*The Management, Principal, Staff and Students of
P.G. and Research Department of Microbiology
take pleasure in inviting you for the*

**Induction Programme 2020
for
Freshers
Batch 2020-2022**

*to be held at 10.00 am on 05 November 2020
at
Digital Platform (Google Meet)*

Dr. Prem Saran Tirumalai Ph.D
Food and Dairy Testing Lab &
Asst. Professor, Dayalbagh Educational Institute, New Delhi

*have kindly consented to be the Chief Guest and
will deliver the Guest Lecture*

Dr. P. Vidya
Head, Dept. of Microbiology

Dr. S. Santhesh Baboo
Principal

Shri. Ashok Kumar Mundhra
Secretary

My college My pride

Name of the Event	: Induction Programme 2020 for freshers
Date	: 05.11.2020
Venue	: Google Meet (https://meet.google.com/sdk-hpte-und)
Organizers	: Dr.A.Mageswari & Dr.B.Kirthiga
Resource persons	: Dr. Prem Saran Tirumalai

No. of staff participants : 7

No. of student participants : 51

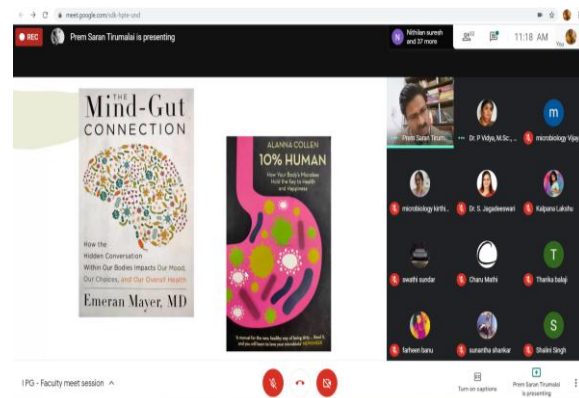
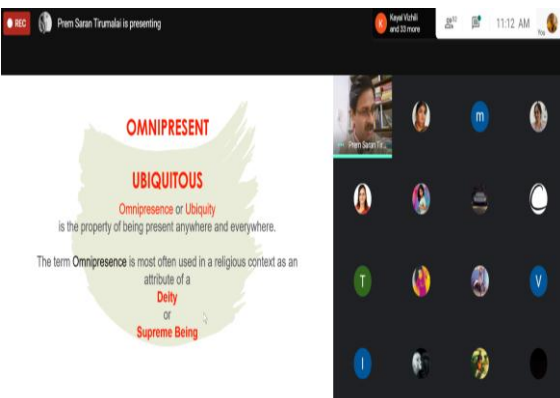
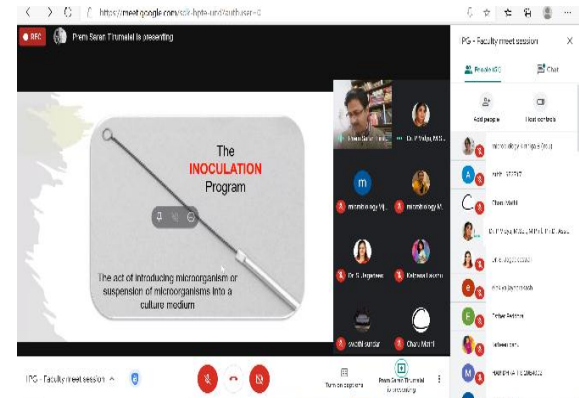
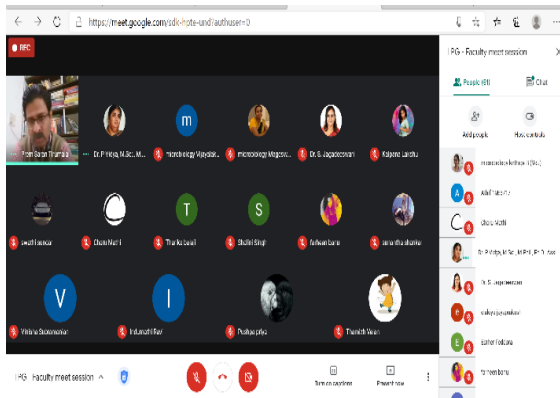
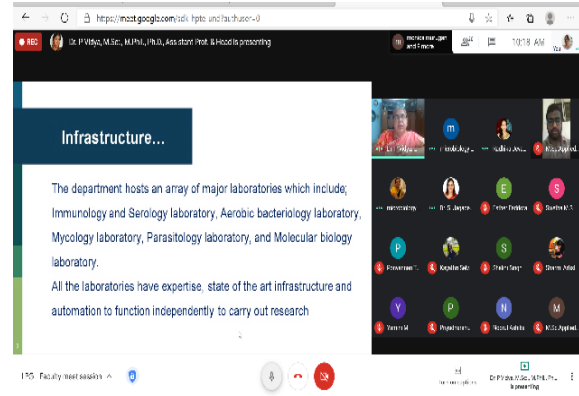
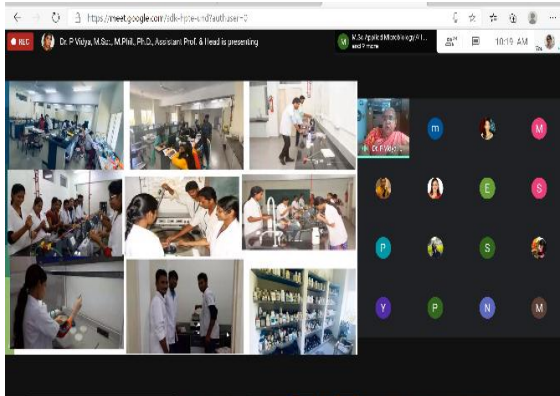
Detailed report of the program:

The PG department of microbiology organized an induction program for freshers to very challenging and exciting academic year 2020-21, as they are plunging into virtual classes - Learning through videos and online classes. This year is different and created an unforgettable reminiscence. Amidst all the challenges, we aimed to move in the right direction for the bigger achievements which is truly appreciable. CHANGE HAS BECOME THE NEW NORMAL!! So, we the faculty strives to do the best amidst this NEW NORMAL situation. As a first step this induction program is organized through online mode on 05 November 2020 at 10 am through google meet. Dr. P. Vidya, Head of the Department gave a brief introduction about the facilities available in the department and a Power point presentation about the department and the career opportunities in the field of microbiology. The presentation also includes the details on Choice based elective system and the importance of newly introduced papers. The faculty members were introduced to students.

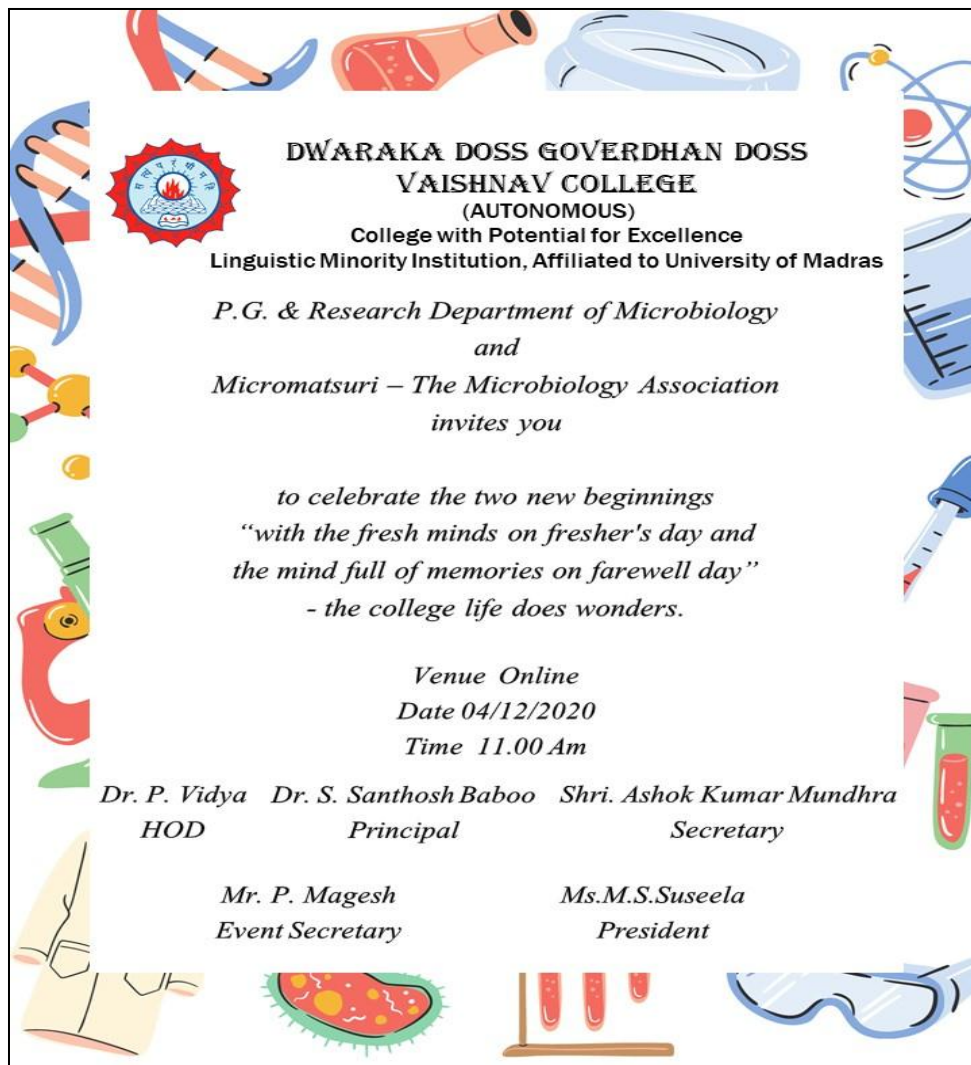
Following the brief introduction session, Dr. Prem Saran Tirumalai, Food and Dairy Testing Lab & Asst. Professor, Dayalbagh Educational Institute, New Delhi motivates students with his delightful talk. He also added Last universal common ancestor is prokaryotes so beyond clinical field there is lot of scope in Microbiology. He also shared a new field of Methicillin resistant space craft, NASA, gut microbes, Psychobiotics to students. Later the session moved to the interactive session of the students with Dr. Prem Saran. He provoked students mind with the details of Scholarship and fellowship program offered in India and Foreign countries for their Ph.D and Research, He encouraged students to take up entrepreneurship in Microbiology. The interactive session last for more than an hour.

Outcome of the program: The aim of the program was to impart deep knowledge about Microbiology and its career opportunities through interaction with the invited speaker who has a commendable expertise and experience in the field. The session was great and successful, which was evident from the highly interactive session of the students and the speaker. The session ended with formal vote of thanks.

Photos:



Invitation



Name of the Event	: Farwell and Freshers Day – December 2020
Date	: 04.12.2020
Venue	: G meet
Organizers	: Micromatsuri – Department Association
Resource persons	: Alumni's
No. of staff participants	: 6
No. of student participants	: 75

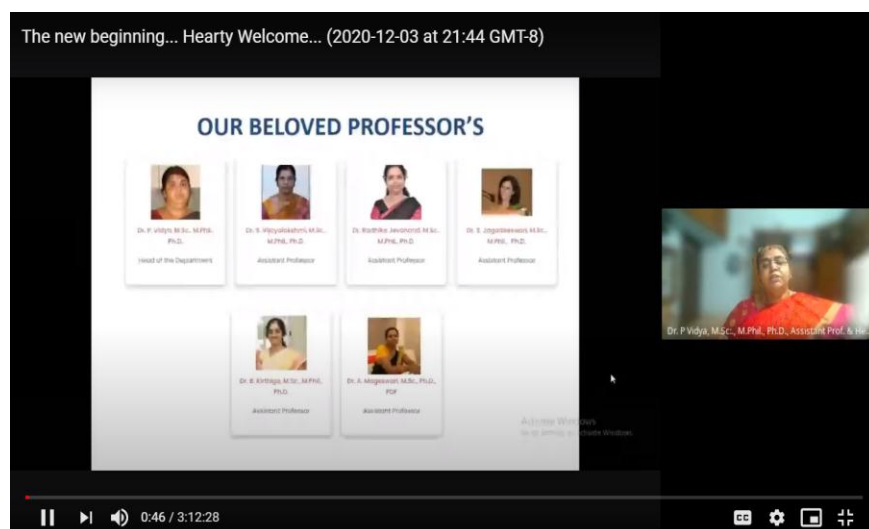
Detailed report of the program:

The Micromatsuri, Microbiology Association, PG and Research Department of Microbiology, D.G. Vaishnav College, organized the Farewell and Freshers program for batches 2018 -2020 & 2020 – 2022 in the online platform through google meet (<https://meet.google.com/zpx-disx-iqi>) on 4th December 2020. The program began with a prayer song by Nithyanandham of II M.Sc., Microbiology, followed by welcome address by Dr. P.Vidya, Head of the Department. The current pandemic situation did not affect the enthusiasm of the participants. Apart from cultural events the students also organized quiz, drawing and poetry contest. An AV about the journey and memories to be cherished by the students was played. As the session proceeded walk-in by the alumni from various fields and their interaction with the participants was another remarkable highlight of the event. The program came to an end but the happy memories will be treasured in every mind.

Outcome of the program:

Alumni interaction with their juniors and current students of the department has created awareness about various avenues and entrepreneurship in Microbiology for their professional success.

Photos:



The new beginning... Hearty Welcome... (2020-12-03 at 21:44 GMT-8)

DGVC
DEPT OF MICROBIOLOGY & MICROMATSURI
PRESENTS
**FRESHER'S
&
FAREWELL
MEET**

Active Windows
Go to Start to view Windows

Dr. P. Vidya, M.Sc., M.Phil., Ph.D., Assistant Prof. & He...

1:23 / 3:12:28

The new beginning... Hearty Welcome... (2020-12-03 at 21:44 GMT-8)

Best medium for the production of penicillium

- Nutrient agar
- Corn steep liquor
- Whey
- Sulphite waste liquor

Indumathi Ray


2:13:29 / 3:12:28

The new beginning... Hearty Welcome... (2020-12-03 at 21:44 GMT-8)

1963703 Keerthana

2:47:01 / 3:12:28

Invitation:



**DWARAKADOSS GOVERDHAN DOSS
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College with Potential for Excellence
(Linguistic Minority Institution), Affiliated to University of Madras,
Chennai – 600 106

**PG & RESEARCH DEPARTMENT OF
MICROBIOLOGY**

**Webinar
on
“Role of Bioinformatics in Life Sciences”**

05.12.2020 | 11.00 AM to 12.30 PM

Resource Person:
Dr. C. R. Hemalatha
Senior Lecturer
Sri Ramachandra Faculty of Engineering and Technology
Sri Ramachandra Institute of Higher Education and Research

Register here: <https://forms.gle/w4MnYNikDaECXk5G8>
E-Certificate will be provided

Organizing team
Dr. B. Kirthiga | Dr. A. Mageswari
Faculty members, Dept. of Microbiology
For queries, Email: dgvcmicrobiology@gmail.com

Dr. P.Vidya
HOD

Dr. S. Santhosh Baboo
Principal

Shri. Ashok Kumar Mundhra
Secretary

<https://www.dgvaishnavcollege.edu.in/>

Name of the Event : Webinar on Role of Bioinformatics in Life Sciences

Date : 05.12.2020

Venue : Google Meet (<https://meet.google.com/tgf-nujn-ieg>)

Youtube link: <https://youtu.be/wXDhm-EdGks>

Organizers : Dr.A.Mageswari & Dr.B.Kirthiga

Resource persons : Dr. C.R. Hemalatha

No. of staff participants : 7

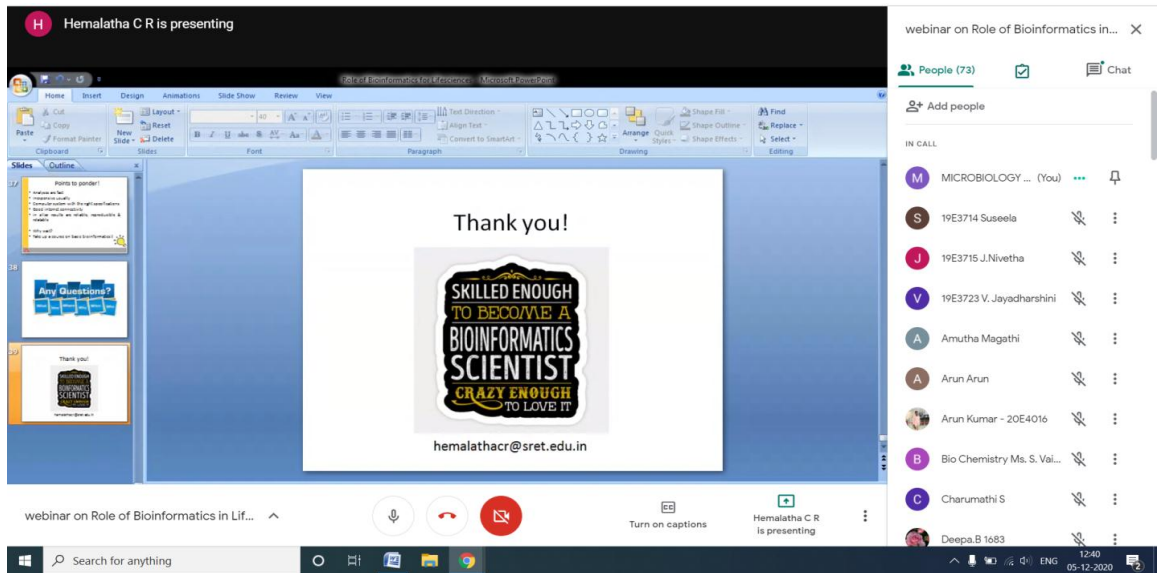
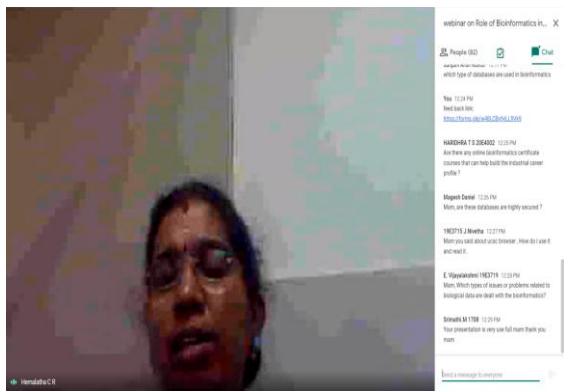
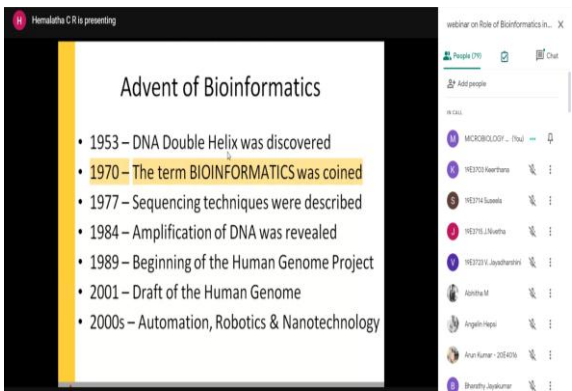
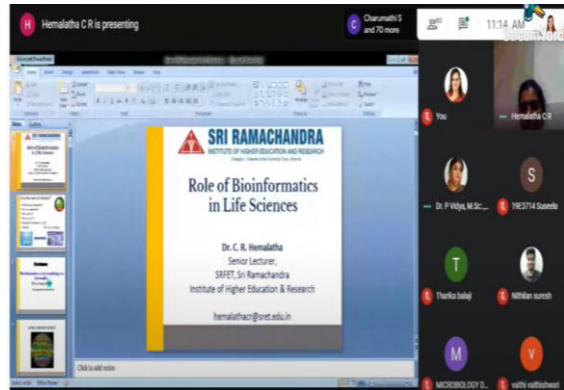
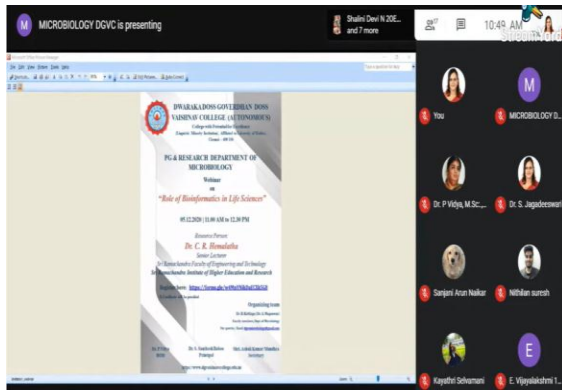
No. of student participants : 51

Detailed report of the program:


The PG department of microbiology organized a Webinar on Role of Bioinformatics in Life Sciences. Following the brief introduction session, Dr. C. R. Hemalatha, Senior Lecture, Sri Ramachandra Institute of Higher Education and Research, Chennai motivates students with her delightful talk. The talk covered the recent discipline with its roots in the construction of molecular sequence databases, along with major advances in computer technology and the development the development of a variety of biochemical wet-lab (laboratory bench-work) techniques that allow rapid generation and analysis of genomic and proteomic data. Later the session moved to the interactive session of the students with Dr. C.R.Hemalatha. She provoked students mind with the details of Scholarship and fellowship program offered in India and Foreign countries for their Ph.D and Research. The interactive session last for more than an hour.

Outcome of the program: The aim of the program was to impart deep knowledge about bioinformatics and its career opportunities through interaction with the invited speaker who has a commendable expertise and experience in the field. The session was great and successful, which was evident from the highly interactive session of the students and the speaker. The session ended with formal vote of thanks.

Photos:



Invitation:



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Chennai - 600 106

**PG & RESEARCH
DEPARTMENT OF MICROBIOLOGY**

Guest Lecture
On
**THE OBSTACLE CROSSING AND
CONSIDERATIONS IN THESIS WRITING**

23.12.2020 | 10.00 AM to 11.30 AM
Venue: Microbiology Lab

Resource Person:
Dr. P. VIDYA
Head of the Department
PG & Research Department of Microbiology,
D. G. Vaishnav College,
Chennai

Organizing team
Dr.B.Kirthiga & Dr. A. Mageswari
Faculty members, Dept. of Microbiology
For queries, Email: dgvcmicrobiology@gmail.com

Dr. P. Vidya
HOD

Dr. S.Santhosh Baboo
Principal

Shri. Ashok Kumar Mundhra
Secretary

<https://www.dgvaishnavcollege.edu.in/>

Name of the Event	: Guest lecture on “The obstacle crossing and considerations in thesis writing”
Date	: 23.12.2020
Venue	: Microbiology lab
Organizers	: Dr.B.Kirthiga & Dr.A.Mageswari
Resource persons	: Dr. P.Vidya
No. of staff participants	: 6
No. of student participants	: 51

Detailed report of the program:


The PG & Research, Department of Microbiology organized a guest on “The obstacle crossing and considerations in thesis writing”. Following the brief introduction session, Dr. P. Vidya, Head of the Department, Microbiology, D. G. Vaishnav College, Chennai motivates students with her delightful talk. The talk covered the hurdles faced by students in the preparation of thesis and overcoming it. She clearly explained how to search a topic, review of literature and how to frame a hypothesis before starting a research work. She concluded her talk by providing a clear view on thesis writing. Later the session moved to the interactive part with the students.

Outcome of the program: The aim of the program was to impart a clear view about thesis writing and the hurdles faced by the students during dissertation writing. The session was great and successful, which was evident from the highly interactive session of the students and the speaker. The session ended with formal vote of thanks.

Photos:



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Chennai – 600 106

**PG & RESEARCH DEPARTMENT OF
MICROBIOLOGY**

International Webinar
on
“Food safety Profession”

22.01.2021 | 11.00 AM to 12.00 noon



Resource Person:
Dr. Jeevanand Raju
*Hygiene & EHSMS Senior Manager
Shangri –La Hotel & Traders Hotel
Qaryat Al Beri, Abu Dhabi*

Register here: <https://forms.gle/agQW4hyfb4NH3eQA9>
E-Certificate will be provided

Organizing team
Dr. B. Kirthiga | Dr. A. Mageswari
Faculty members, Dept. of Microbiology
For queries, Email: dpvmicrobiology@gmail.com

- Name of the Event** : Webinar on Food Safety Profession
- Date** : 22.01.2021
- Venue** : Google Meet (<https://meet.google.com/ksu-ywtj-gpb>)
Youtube link: <https://www.youtube.com/watch?v=XgzGRDEB-bE>
- Organizers** : Dr.A.Mageswari & Dr.B.Kirthiga

Resource persons : Dr. Jeevanand Raju

No. of staff participants: 7

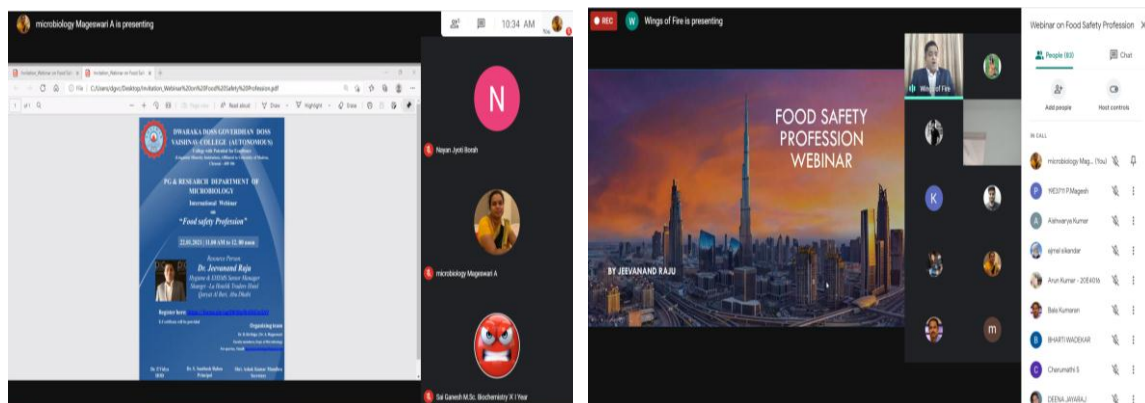
No. of student participants: 111

Detailed report of the program:

The PG department of microbiology organized a International Webinar on “Food safety Profession”. Following the brief introduction session, Dr. Jeevanand Raju, Hygiene &EHSMS Senior Manager, Shangri –La Hotel& Traders Hotel, Qaryat Al Beri, Abu Dhabi motivates students with her delightful talk. The talk covered the routines in preparation, handling and storage of food, safe handling practices and implemented at every stage of food production to curb the risk and prevent harm to consumers, FDA - HACCP principles and certification programs. Later the session moved to the interactive session of the students with Dr. Jeevanand Raju. He provoked students mind with Job opportunities offered in India and Foreign countries.

Outcome of the program: The aim of the program was to impart deep knowledge about Food safety and its career opportunities through interaction with the invited speaker who has a commendable expertise and experience in the field. The session was great and successful, which was evident from the highly interactive session of the students and the speaker. The session ended with formal vote of thanks.

Photos:



Webinar on Food Safety Profession X

Wings of Fire is presenting

Food globalization Food safety professional HACCP pro model

Food safety issues Hazards in food

Webinar on Food Safe... Backward Forward Wings of Fire presenting

People (10) Chat

Add people Host controls

WINGS

- Microbiology Mag... (17)
- NEETIPillayam
- Ashwarya Kumer
- gpralokhandar
- Anu Kumer - 25E476
- Bala Kumeran
- SHANTI MADHAR
- Charanath S
- DEENA JAYARAJ

Webinar on Food Safety Profession X

Wings of Fire is presenting

FOOD GLOBALIZATION

Food safety issues Food safety professional HACCP pro model

Food safety issues Hazards in food

Webinar on Food Safe... Backward Forward Wings of Fire presenting

People (10) Chat

Add people Host controls

WINGS

- Microbiology Mag... (17)
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- Anu Kumer - 25E476
- Bala Kumeran
- SHANTI MADHAR
- Charanath S
- DEENA JAYARAJ

Webinar on Food Safety Profession X

Wings of Fire is presenting

FOOD SAFETY PROFESSIONAL

Leader Worker

Interpersonal skills Delegator

Communicator Assertive

Analytical Technical Expertise

Organizer Inspector

Webinar on Food Safe... Backward Forward Wings of Fire presenting

People (10) Chat

Add people Host controls

WINGS

- Microbiology Mag... (17)
- NEETIPillayam
- AIJ
- Ashwarya Kumer
- gpralokhandar
- ANNA M.KHEELEE
- Anu Kumer - 25E476
- Bala Kumeran
- Charanath S
- DEENA JAYARAJ

Webinar on Food Safety Profession X

Wings of Fire is presenting

CHEMICAL HAZARDS

Pesticides Cleaning chemicals Lubricants

Food & Fuel Fumes Excess additives Migration of plasticizers, Inks, Adhesives from packaging

Webinar on Food Safe... Backward Forward Wings of Fire presenting

People (10) Chat

Add people Host controls

WINGS

- Microbiology Mag... (17)
- NEETIPillayam
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- Ashwarya Kumer
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- ANNA M.KHEELEE
- Anu Kumer - 25E476
- Bala Kumeran
- SHANTI MADHAR
- Charanath S
- DEENA JAYARAJ

Webinar on Food Safety Profession X

Wings of Fire is presenting

PREREQUISITE PROGRAMS

Personnel Hygiene and Health Status Pest Control Waste Management

Premises and Structure Technical maintenance and sanitation Cleaning and Sanitation

Webinar on Food Safe... Backward Forward Wings of Fire presenting

People (10) Chat

Add people Host controls

WINGS

- Microbiology Mag... (17)
- NEETIPillayam
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- ANNA M.KHEELEE
- Anu Kumer - 25E476
- Bala Kumeran
- Charanath S
- DEENA JAYARAJ

Webinar on Food Safety Profession X

Wings of Fire is presenting

THANK YOU

THANK YOU

Webinar on Food Safe... Backward Forward Wings of Fire presenting

People (10) Chat

Add people Host controls

WINGS

- Microbiology Mag... (17)
- NEETIPillayam
- AIJ
- Ashwarya Kumer
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- DEENA JAYARAJ

Invitation:



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**PG & RESEARCH
DEPARTMENT OF MICROBIOLOGY**

Webinar
on
“Nanotechnology: A General Perspective”

16.02.2021 | 03.00 PM to 4.00 PM



Resource Person:
Dr. P. Premasudha
Assistant Professor
Department of Nanotechnology
Bharathiar University, Coimbatore, India

Register here: <https://forms.gle/EZzrCjW4LPLjwYor6>
E-Certificate will be provided

Organizing team
Dr. A. Mageswari | Dr. M. Abirami
Faculty members, Dept. of Microbiology
For queries, Email: dgvcmicrobiology@gmail.com

Dr. P.Vidya
HOD

Dr. S. Santhosh Baboo
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<https://www.dgvaishnavcollege.edu.in/>

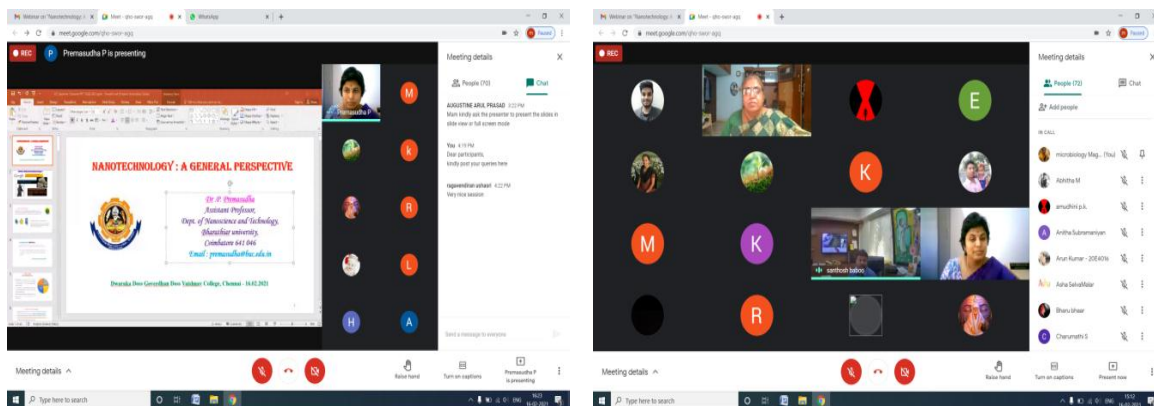
Name of the Event	: Webinar on “Nanotechnology: A General Perspective”
Date	: 16.02.2021
Venue	: Google Meet (https://forms.gle/EZzrCjW4LPLjwYor6)
Organizers	: Dr.A.Mageswari & Dr. M. Abirami
Resource person	: Dr. P. Premasudha
No. of staff participants	: 7
No. of student participants	: 83

Detailed report of the program:

The PG & Research Department of Microbiology organized a Webinar on “Nanotechnology: A General Perspective”. Following the brief introduction session, Dr. P. Premasudha, Assistant Professor, Department of Nanoscience and Technology, Bharathiar University, Coimbatore inspired students with her delightful talk. The webinar covered the basics of nanotechnology & molecular scale properties as well as applications of nanostructures. She skilful the top to bottom nanoparticle synthesis such as electrical explosion of wire method, chemical vapour synthesis, microwave plasma synthesis and spray pyrolysis. She explained its application in various field such as biomedical, cosmetics, defense and security sensors, electronics, textile, agriculture and food industry. Later the session moved to the interactive part with the students & the speaker Dr. P. Premasudha. She motivated the student’s with various opportunities prevailing in India and Foreign countries in the field of nanotechnology.

Outcome of the program: The aim of the program was to impart deep knowledge about nanotechnology and its applications in day to day life through interaction with the invited speaker who has a commendable expertise and experience in the field. The session was great and successful, which was evident from the interactive session of the students and the speaker. The session ended with formal vote of thanks.

Photos:



Zoom meeting screenshot showing a slide titled "What is all about Nanotechnology?". The slide features a Google search bar with the text "Any given search engine will produce 8.6 million hits" and a small image of a person in a lab coat. The meeting interface shows a list of participants on the right and a search bar at the bottom.

Zoom meeting screenshot showing a slide titled "History". The slide includes a portrait of Richard Feynman and text stating: "The first ever concept was presented in 1959 by the famous professor of physics Dr. Richard P. Feynman." It also mentions the invention of the scanning tunneling microscope in 1981 and the discovery of fullerenes (C60) in 1985. A quote from Norio Taniguchi is included: "THERE'S PLENTY OF ROOM AT THE BOTTOM". The meeting interface shows a list of participants on the right and a search bar at the bottom.

Zoom meeting screenshot showing a slide titled "What is Nanoscale?". The slide contains a diagram with four boxes: "The nanoscale is the range of length scales from 1 to 100 nm", "The nanoscale is the range of length scales from 1 to 100 nm", "The nanoscale is the range of length scales from 1 to 100 nm", and "The nanoscale is the range of length scales from 1 to 100 nm". It also includes a diagram of a gold atom and a note: "There are 1000 gold atoms in a line equal to 1 nm". The meeting interface shows a list of participants on the right and a search bar at the bottom.

Zoom meeting screenshot showing a slide titled "System of Nanoparticles". The slide features a central diagram with arrows pointing to various fields: "Mechanical/Electrical", "Chemical/Sensing", "Thermoelectric/Photovoltaic", "Optical", "Chemical/Biochemical", "Water Desalination", "Atmospheric/Environmental", "Self-Assembling", "Light Harvesting", "Laser/Fiber Optics", "Artificial Photosynthesis", "Green Synthesis", "Sensing", "Plant Growth", and "Harvesting". The meeting interface shows a list of participants on the right and a search bar at the bottom.

Zoom meeting screenshot showing a slide titled "Nanotechnology". The slide includes a diagram of a carbon nanotube and text: "Custom Tailored Windows", "Future Medicine", and "Western Medical Sciences". The meeting interface shows a list of participants on the right and a search bar at the bottom.

Zoom meeting screenshot showing a slide titled "The Next Big Thing is Really Small!". The slide features a large blue star with the text "THANK YOU" inside it. The meeting interface shows a list of participants on the right and a search bar at the bottom.

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**PG & RESEARCH
DEPARTMENT OF MICROBIOLOGY**

Webinar
on

**"Carotenoids from *Dunaliella salina* as a functional food and its
over production using various approaches"**

20.02.2021 | 11.00 AM to 12.00 PM



Resource person:
Dr. Gothandam K.M
Professor
School of Bio Science & Technology (SBST)
Vellore Institute of Technology

Register here :
<https://forms.gle/tYwwzv9PMKVkAmS3A>

E-certificate will be provided

Organizing team
Dr.A.Mageswari | Dr.B.Kirthiga
Faculty members, Dept.of.Microbiology
For queries, Email: dgvcmicrobiology@gmail.com

Dr.P.Vidya
HOD

Dr.S.Santhosh Baboo
Principal

Shri.Ashok kumar Mundhra
Secretary

<https://www.dgvaishnavcollege.edu.in/>

Name of the Event : Webinar on Carotenoids from *Dunaliella salina* as a functional food and its over production using various approaches

Date : 20.02.2021

Venue : Google Meet (<https://meet.google.com/thx-vkfg-hzx>)

Organizers : Dr.A.Mageswari & Dr.B.Kirthiga

Resource persons : Dr. K.M.Gothandam

No. of staff participants : 7

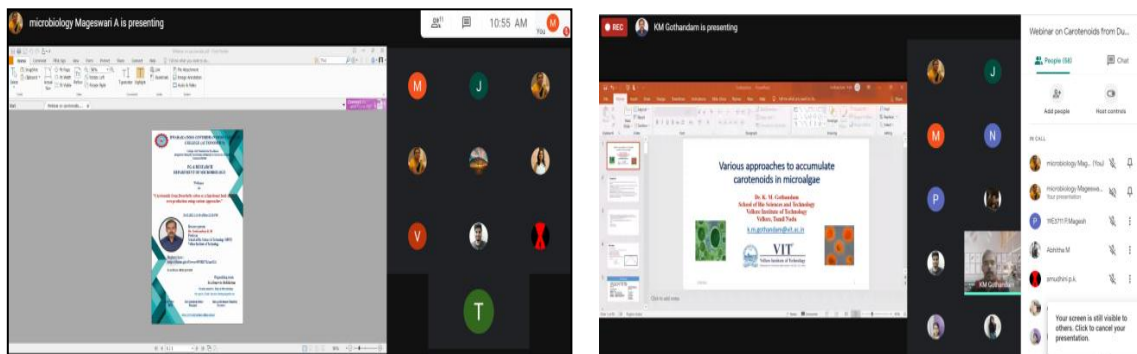
No. of student participants : 58

Detailed report of the program:

The PG & Research Department of microbiology organized a Webinar on Carotenoids from *Dunaliella salina* as a functional food and its over production using various approaches. The program began with a prayer song by Nithyanandham of II M.Sc., Microbiology, followed by welcome address by Magesh (II M.Sc., Microbiology). Dr.A.Mageswari gave brief introduction session about the resource person Dr. K.M.Gothandam, Professor, School of Bio Sciences & Technology, VIT University, Vellore motivated students with his delightful talk. The webinar covered the importance of carotenoids and its overproduction approaches. He opened up the students mind by explaining the basics involved in cloning, RNA silencing and antisense technology in algal research. Later the meeting moved to the interactive session of the students with Dr. K.M.Gothandam. He provoked students mind with the top to bottom approach available in the field of algal research.

Outcome of the program: The aim of the program was to pass on deep knowledge about rDNA technology and its research opportunities through interaction with the invited speaker who has a commendable expertise and experience in the field. The session was great and successful, which was evident from the highly interactive session of the students and the speaker. The session ended with formal vote of thanks.

Photos:



REC KM Gothardam is presenting

11:30 AM

REC KM Gothardam is presenting

Webinar on Carotenoids from Du... X

People (53)

Chat

Add people

Host controls

IN CALL

- microbiology Mag... (You)
- 19E371 P.Magesh
- Abhitha M
- amudhini p.k.
- Arun Kumar - 20E406
- Bhuvaneshwari M

11:33 AM

REC KM Gothardam is presenting

Profils Dhan and 39 more

11:38 AM

Importance of Agrobacterium mediated transformation

- Advantages**
 - High efficiency
 - Wide host range
 - Highly transformable
 - Highly efficient
 - Highly transformable
- Disadvantages**
 - Variable frequency
 - Variable frequency
 - Variable frequency

Agrobacterium mediated transformation

11:38 AM

REC KM Gothardam is presenting

Webinar on Carotenoids from Du... X

People (57)

Chat

Add people

Host controls

IN CALL

- microbiology Mag... (You)
- 19E371 P.Magesh
- Abhitha M
- amudhini p.k.
- Arun Kumar - 20E406
- Bhuvaneshwari M

11:38 AM

REC KM Gothardam is presenting

Webinar on Carotenoids from Du... X

People (53)

Chat

Add people

Host controls

IN CALL

- microbiology Mag... (You)
- 19E371 P.Magesh
- Abhitha M
- amudhini p.k.

Your screen is still visible to others. Click to cancel your presentation.

11:38 AM

REC KM Gothardam is presenting

amudhini p.k. and 39 more

12:00 PM

Carotenoid biosynthesis pathway:

Overexpression of phytoene synthase (PSY) gene in *Dunaliella salina* for the enhanced production of carotenoids

12:00 PM

REC KM Gothardam is presenting

Webinar on Carotenoids from Dunaliella salin... X

People (53)

Chat

Add people

Host controls

IN CALL

- microbiology Mag... (You)
- 19E371 P.Magesh
- Abhitha M
- amudhini p.k.
- Arun Kumar - 20E406
- Bhuvaneshwari M

Effect of bicarbonate on β -carotene and lutein of *D. salina* upon macronutrient stressed cultures

Effect of bicarbonate on β -carotene and lutein of *D. salina* under nutrient deficient conditions. All values are expressed as Mean \pm SD ($n = 3$). Values with different letters represent significantly differ at $p < 0.05$ between the groups. Total Nitrate (TN); Nitrate deficit (N $^{-}$); Nitrate deficit with bicarbonate (N $^{-}$ + NaHCO $_3$); Phosphate deficit (P $^{-}$); Phosphate deficit with bicarbonate (P $^{-}$ + NaHCO $_3$); Sulphate deficit (S $^{-}$); Sulphate deficit with bicarbonate (S $^{-}$ + NaHCO $_3$).

Webinar on Carotenoids from Dunaliella salin... ^

Raise hand

Turn on captions

KM Gothardam is presenting

Name of the Event : Herbal Gardening – Phase 2

Date : 20.02.2021

Venue : Ganga Block

Organizers : All Faculty members

No. of staff participants : 8

No. of student participants : 50

Detailed report of the program:

The PG and Research Department of Microbiology, D.G. Vaishnav College, along with principal inaugurated an Herbal garden – Phase 2 on 20th February 2021. The objective of the program was to provide young students an opportunity to be familiar with the use of medicinal plants such that indigenous knowledge is also passed onto younger generation. Dr. S. Santhosh Baboo (Principal) began the garden by planting an herb, followed by Dr. P. Vidya (Head of the Department, Microbiology).

Student of M.Sc., Applied Microbiology bought so many herbs to plant in the garden. Each student planted his or her herb one by one in the garden. Planting local herbs in the open space available within the college complex contributes toward beautification of the college. Managing open space also allows students to experience firsthand the process of planting and tending a garden as well as the medicinal values of the planted herbs.

Medicinal herbs planted in the garden such as Holy Basil (Tulsi), Karpuravalli, Ginger, Chinese chastetree (Nochi), Aloe Vera, Goose berry plant (Nellikai), Nilavembu, Neem, Insulin plant, Thuthuvalai, Keezhanelli, pirandai, Adhatoda.

Outcome of the program: Students were enriched with the knowledge and benefits of medicinal plants, as well as they learned to know about gardening and their maintenance.

Photos:



Planting saplings during gardening program



Students jointly plant saplings

Invitation:



**DWARAKA DOSS GOVERDHAN DOSS
VAISHNAV COLLEGE (AUTONOMOUS)**

College with Potential for Excellence
(Linguistic Minority Institution), Affiliated to University of Madras,
Chennai – 600 106

**PG & RESEARCH DEPARTMENT OF
MICROBIOLOGY**

Webinar
on
“Ocular Microbiome”

25.2.2021 | 2.00 PM to 3. 00PM

Resource Person:
Dr. Kalpana Suresh
*Medical Director & Chief Ophthalmic Surgeon
Kalpana iCare Hospital, Chennai*

Register here: <https://forms.gle/kxWYRHrAika8Ybmg8>
E-Certificate will be provided

Organizing team
Dr. B. Kirthiga | Dr. A. Mageswari
Faculty members, Dept. of Microbiology
For queries, Email: dgvcmicrobiology@gmail.com

Dr. P.Vidya
HOD

Dr. S. Santhosh Baboo
Principal

Shri. Ashok Kumar Mundhra
Secretary

<https://www.dgvaishnavcollege.edu.in/>

Name of the Event	: Webinar on “Ocular Microbiome”
Date	: 25.02.2021
Venue	: Google Meet (https://meet.google.com/mzm-ppyj-vqw)
Organizers	: Dr.B.Kirthiga & Dr.A.Mageswari

Resource persons : Dr. Kalpana Suresh

No. of staff participants : 7

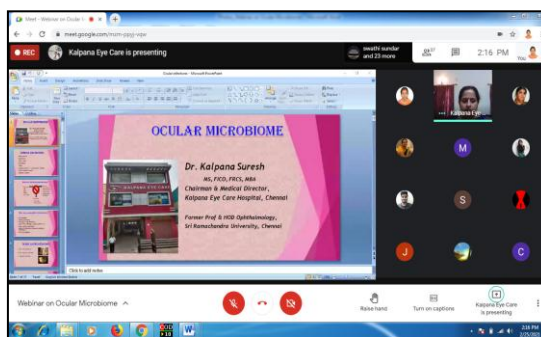
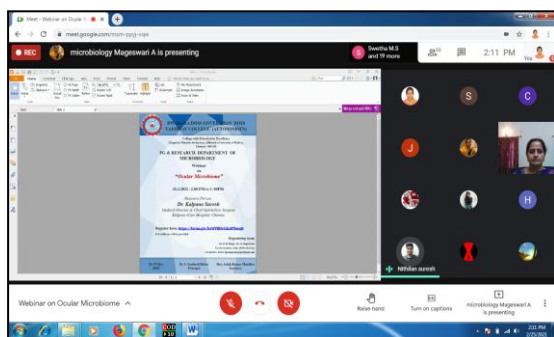
No. of student participants : 54

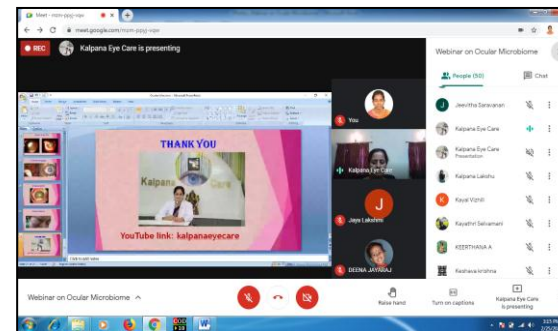
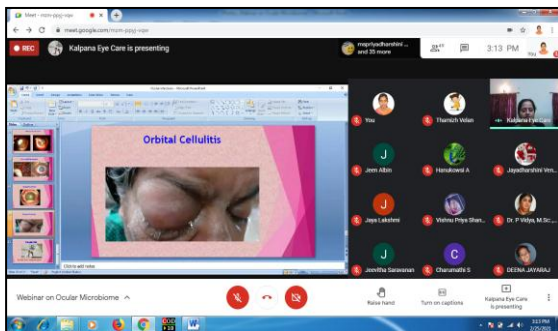
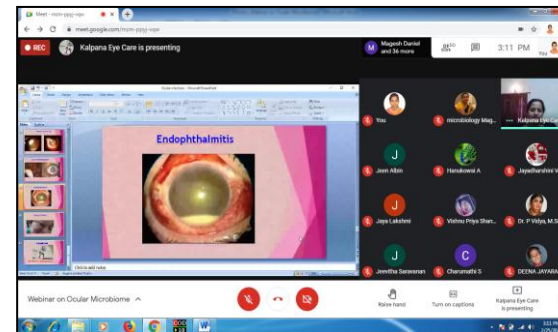
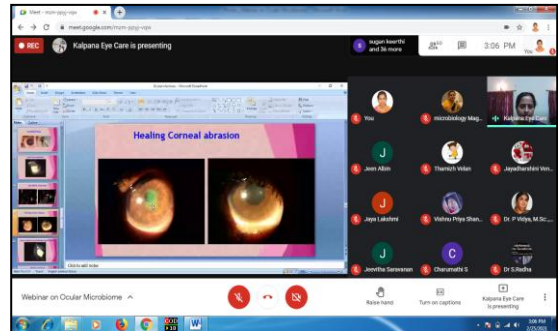
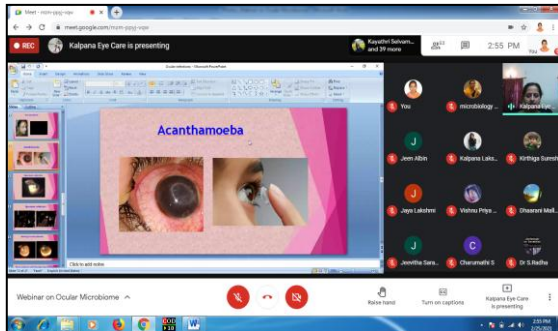
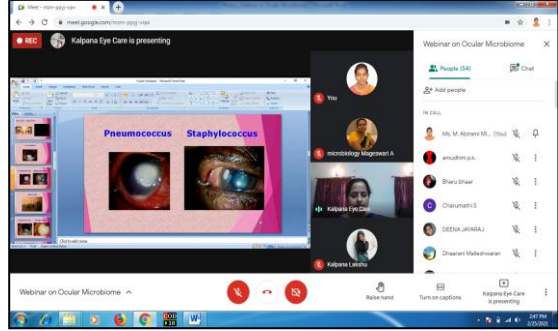
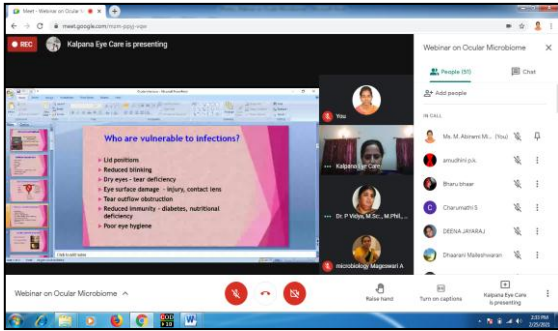
Detailed report of the program:

The PG and Research Department of Microbiology organized a Webinar on “Ocular Microbiome”. Dr. Kalpana Suresh, Medical Director and Chief Ophthalmic Surgeon, Kalpana iCare Hospital, inspired the students with her wonderful speech after the short introductory session. The presentation covered the microorganisms which causing eye infection, source of infections and susceptible individuals followed by diagnosing and treatment. The guest speaker concluded that the eye microbiome is related to age, geographical area, origin, use of the contact lens and treatment response. This session educated the importance of antibiotic guidance to aid improves a method for analysis and management of eye infections. Later, the lecture moved to the participants' interactive discussion with Dr. Kalpana Suresh.

Outcome of the program: The goal of the webinar was to acquire detail perceptive of the microbiome related to eye with the invited guest speaker who has outstanding skills and practical experience in the area. This session erudite the participants about the increase risk and impact of ocular microbiome. The students were adequately interacted with the guest speakers and gain knowledge as well as really benefited. Finally the programme was concluded with a formal vote of thanks.

Photos:





Invitation:

**DWARAKA DOSS GOVERDHAN DOSS
VAISHNAV COLLEGE (AUTONOMOUS)**
College with Potential for Excellence
(Linguistic Minority Institution), Affiliated to University of Madras,
Arumbakkam, Chennai – 600 106

**PG & RESEARCH
DEPARTMENT OF MICROBIOLOGY**

Guest Lecture
On
**A PERSPECTIVE ON ENVIRONMENTAL
SUSTAINABILITY**

26.03.2021 | 10.30 AM to 11.30 AM
Venue: Microbiology Lab

Resource Person:
Dr. Kavitha
Associate Professor
Department of Microbiology
Madras Christian College
Chennai

Organizing team
Dr. A. Mageswari & Dr. M. Abirami
Faculty members, Dept. of Microbiology
For queries, Email: dgvcmicrobiology@gmail.com

Dr. P. Vidya
HOD

Dr. S. Santhosh Baboo
Principal

Shri. Ashok Kumar Mundhra
Secretary

<https://www.dgvaishnavcollege.edu.in/>

Name of the event : Guest Lecture on “A Perspective on Environmental Sustainability”

Date : 26.03.2021

Venue : Microbiology Lab

- Mode** : Offline
- Organizers** : Dr. A. Mageswari & Dr. M. Abirami
- Faculty Coordinator** : Dr. B. Kirthiga
- Resource Person** : Dr. Kavitha
- No. of staff participants** : 7
- No. of student participants** : 49

Detailed report of the program:

The PG & Research Department of Microbiology organized a guest lecture on “A Perspective on Environmental Sustainability”. The session started with the welcome address by Dr. P. Vidya, Head of the Department. She extended a warm welcome to guest speaker of the day Dr. Kavitha, Associate Professor, Department of Microbiology, Madras Christian College, Tambaram, Chennai and the participants. She highlighted the significance of the lecture and mentioned about the importance of environmental sustainability in today's world.

Following the brief introduction session, Dr. Kavitha motivates the students with her delightful talk. The major objective of the talk was on sustainable development, energy conservation, deforestation and its impacts, water conservation, and so on. She presented quantitative information on existing resource utilization trends as well as innovative measures to reduce resource utilization. She explained in detail about the pollutants generated by industries, their adverse effects and advanced technologies used in the industry to overcome this problem. She emphasized the various environmental bacterial pollution indicators of natural resources as well as control techniques. The queries raised by participants were clarified by the resource person.

Outcome of the program: The guest lecture enabled the participants to strengthen their knowledge about the environment and sustainability. This guest lecture would certainly help them understand their subject in a new perspective. The students were engaged with the guest speakers and acquiring valuable information. Finally the program was concluded with a formal vote of thanks.

Photos:



Invitation:



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (AUTONOMOUS)

College with Potential for Excellence
(Linguistic Minority Institution), Affiliated to University of Madras,
Chennai – 600 106

PG & RESEARCH DEPARTMENT OF MICROBIOLOGY

Webinar
on

“Stem Cell Biology – A life Changing Science”

23.4.2021 | 11.30 AM to 12. 30PM



Resource Person:

Dr. T. A. Kannan, M.V.Sc., Ph.D., PGDRM
*Professor & Head, Education Cell,
Madras Veterinary College, Chennai*

Register here: <https://forms.gle/DyBWtySWHETVEHy77>

E-Certificate will be provided.

Organizing team

Dr. S. Jagadeeswari | Dr. B. Kirthiga

Faculty members, Dept. of Microbiology

For queries, Email: dgvcmicrobiology@gmail.com

Dr. P. Vidya
HOD

Dr. S. Santhosh Baboo
Principal

Shri. Ashok Kumar Mundhra
Secretary

<https://www.dgvaishnavcollege.edu.in/>

Name of the Event : Webinar on “Stem Cell Biology – A life Changing Science”

Date : 23.04.2021

Venue : Google Meet <https://meet.google.com/uyu-ukdy-ubx>
Youtube link: <https://youtu.be/QgUbG5jPzHM>

Organizers : Dr.S. Jagadeeswari & Dr.B.Kirthiga

Resource persons : Dr. T.A. Kannan, M.V.Sc., Ph.D., PGDRM

No. of staff participants: 7

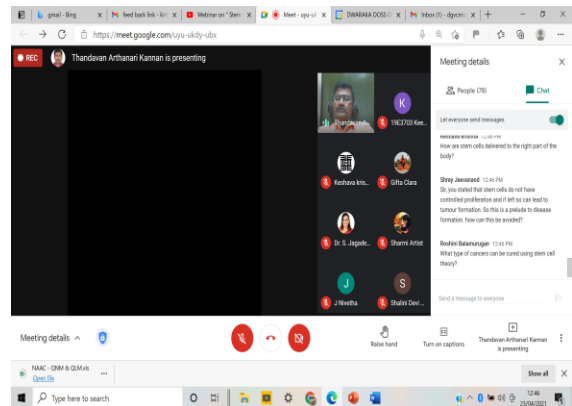
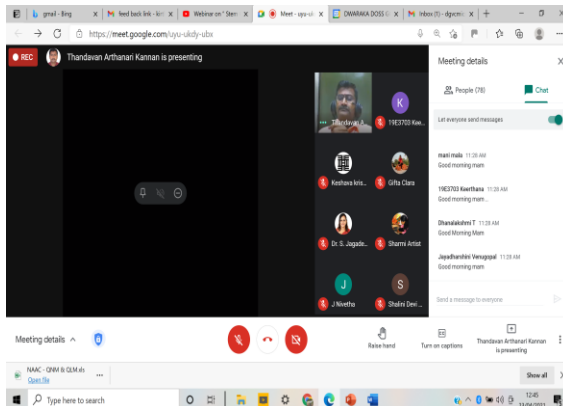
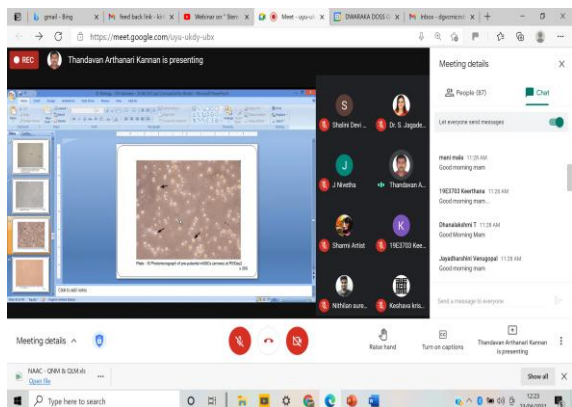
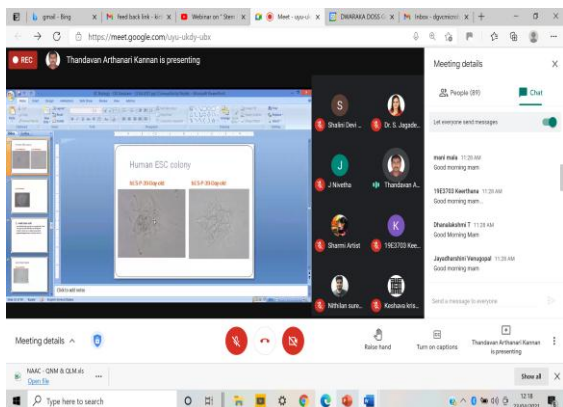
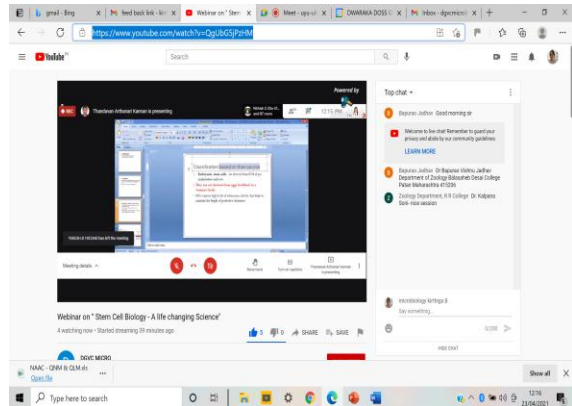
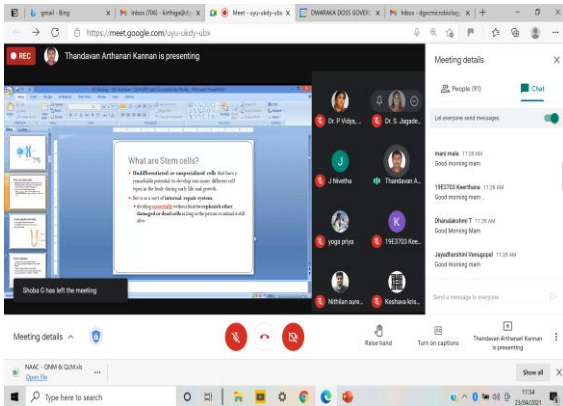
No. of student participants:92

Detailed report of the program:


The PG department of microbiology organized a International Webinar on “Stem Cell Biology -A life changing Science”. Following the brief introduction session, Dr. T. Kannan, Professor, Professor & Head, Education Cell, Madras Veterinary College, Chennai, motivates students with his delightful talk. The talk covered what is stem cell?, and how they are used to generate healthy new **cells** to **replace** diseased **cells**, known as **regenerative medicine**. He also added in recent years, **stem cells** **have** also been used to cure patients of autoimmune diseases such as multiple sclerosis, there is also promising – but early – research suggesting that **stem-cell** therapy may be able to cure diabetes, blindness and even spinal-cord injury. He explained what exactly does stem cell research involve? It is an advanced level of biological research carried out by people from diverse science backgrounds to find new therapies for various ailments. Later the session moved to the interactive session of the students with speaker of the day. He provoked students mind with Job opportunities offered in India and Foreign countries.

Outcome of the program: The aim of the program was to impart deep knowledge about **stem cell** studies can help to Increase understanding of how diseases occur. Also the career opportunities through interaction with the invited speaker who has a commendable expertise and experience in the field. The session was great and successful, which was evident from the highly interactive session of the students and the speaker. The session ended with formal vote of thanks.

Photos:



Invitation:



**DWARAKA DOSS GOVERDHAN DOSS
VAISHNAV COLLEGE (AUTONOMOUS)**


College with Potential for Excellence
(Linguistic Minority Institution), Affiliated to University of Madras,
Chennai – 600 106

**PG & RESEARCH DEPARTMENT OF
MICROBIOLOGY**

Webinar
on
“Genotypes and Diseases”

29.4.2021 | 11.30 AM to 12. 30PM

Resource Person:



Dr. P. Vinayaga Moorthy, M.Sc., M.Phil., Ph.D.,
Assistant Professor
Department of Human Genetics and Molecular Biology
Bharathiar University, Coimbatore – 641 046

Register here: <https://forms.gle/aYiK34xQkoTZJqiu5>

E-Certificate will be provided.
Google Meet joining info
Video call link: <https://meet.google.com/fjc-hfoe-dpj>
Or dial: (US) +1415-763-1878 PIN: 780 314 435#

Organizing team
Dr.B.Kirthiga| Dr.A.Mageswari
Faculty members, Dept. of Microbiology
For queries, Email: dgvcmicrobiology@gmail.com

Dr. P.Vidya
HOD

Dr. S. Santhosh Baboo
Principal

Shri. Ashok Kumar Mundhra
Secretary

<https://www.dgvaishnavcollege.edu.in/>

Name of the event : Webinar on “Genotypes and Diseases”

Date : 29.04.2021

Venue : Google Meet

(<https://meet.google.com/fjc-hfoe-dpj>)

Mode	: Online
Organizers	: Dr. A. Mageswari & Dr. B. Kirthiga
Faculty Coordinator	: Dr. A. Mageswari & Dr. B. Kirthiga
Resource Person	: Dr. P. Vinayaga Moorthi, Assistant Professor, Bharathiar University, Coimbatore
No. of staff participants	: 7
No. of student participants	: 147

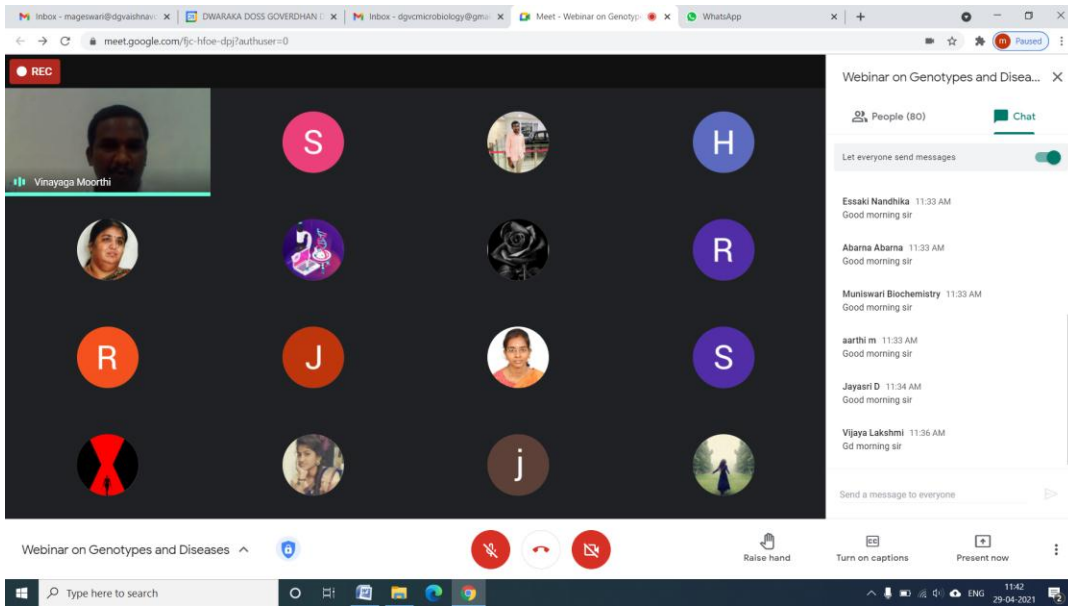
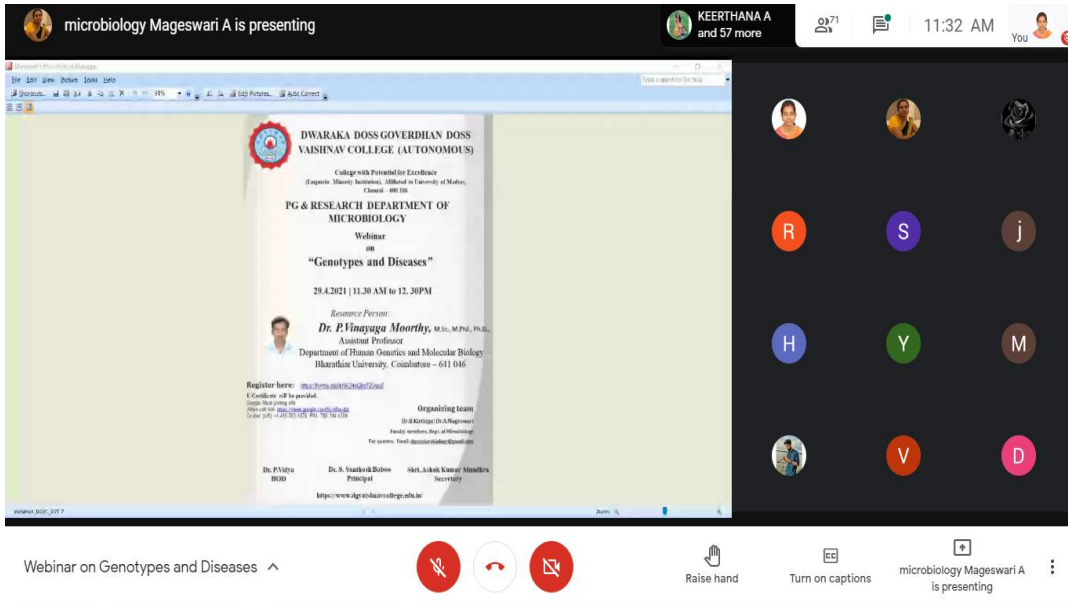
Detailed report of the program:

The PG & Research Department of Microbiology organized a webinar on “Genotypes and Diseases”. The session started with the welcome address and prayer song. Our student secretary Ms. Swetha gave a warm welcome to guest speaker of the day Dr. Vinayaga Moorthi, Assistant Professor, Department of Human Genetics & Molecular Biology, Bharathiar University, Coimbatore and the participants.

Following the brief introduction session, Dr. P. Vinayaga Moorthi motivates the students with his delightful talk. The major objective of the talk was to inculcate the basics of the gene and their role in the cells. He explained in detail about the DNA, gene, transcription and translation. He emphasized the importance of DNA as well as their significance in genetic disorder. He gave an insight about the Alzheimer's disease and how to treat the disease using molecular biology by modifying genes. The queries raised by participants were clarified by the resource person.

Outcome of the program: The webinar enabled the participants to strengthen their knowledge about the genetic disorder and basics functions of the gene. This lecture would certainly help them understand their subject in a new perspective. The students were engaged with the guest speakers and acquiring valuable information. Finally the program was concluded with a formal vote of thanks.

Photos:



Webinar on Genotypes and Diseases

Dr. P. VINAYAGA MOORTHY
Assistant Professor
Department of Human Genetics and Molecular Biology
Bharathiar University
Coimbatore - 641 046
Tamilnadu, INDIA

People (86)

Essaki Nandhika 11:33 AM
Good morning sir

Abarna Abarna 11:33 AM
Good morning sir

Muniswari Biochemistry 11:33 AM
Good morning sir

aarthi m 11:33 AM
Good morning sir

Jaysari D 11:34 AM
Good morning sir

Vijaya Lakshmi 11:36 AM
Gd morning sir

Webinar on Genotypes and Diseases

Webinar on Genotypes and Diseases

Protein synthesis

1. Transcription

2. Translation

People (81)

Essaki Nandhika 11:33 AM
Good morning sir

Abarna Abarna 11:33 AM
Good morning sir

Muniswari Biochemistry 11:33 AM
Good morning sir

aarthi m 11:33 AM
Good morning sir

Jaysari D 11:34 AM
Good morning sir

Vijaya Lakshmi 11:36 AM
Gd morning sir

Webinar on Genotypes and Diseases