

MICROBIOLOGY Departmental Report (2021-2022)

Preliminary information

I Department profile

Names	Designation
Dr. Arjumanara Surti	Associate Professor, Head of Department
Dr. Rajbinder Kaur Dehiya	Associate Professor, Vice Principal
Ms. Shraddha Prabhu	Assistant Professor
Mr. Vijay Vig	Assistant Professor
Ms Wheeda Chaudhry	Lecturer (Ad-hoc)(from January 21 onwards)
Ms Ayesha Shaikh	Lecturer (Ad-hoc)(from January 21 onwards)
Ms Rosephil Audet Coutinho	Lecturer (Ad-hoc) (from August 21 onwards)

II Courses/Papers taught

SEMESTER I

Course code	Name of Unit	Credits
SBSMCB101	FUNDAMENTALS OF MICROBIOLOGY	2
SBSMCB102	BASIC TECHNIQUES IN MICROBIOLOGY	2
SBSMCBP1	PRACTICALS	2

SEMESTER II

Course code	Name of Unit	Credits
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SBSMCB201	EXPLORING MICROBIOLOGY	2
SBSMCB202	ADVANCED AND APPLIED MICROBIOLOGY	2
SBSMCBP2	PRACTICALS	2

SEMESTER III

Course Code	Name of the Unit	Credits
SBSMCB301	MICROBIAL DIVERSITY, MICROBIAL TAXONOMY & INSTRUMENTATION	2
SBSMCB302	ENVIRONMENTAL MICROBIOLOGY	2
SBSMCB303	INTRODUCTION TO MICROBIAL METABOLISM AND BIOSTATISTICS	2
SBSMCBP3	PRACTICALS	3

SEMESTER IV

Course Code	Name of the Unit	Credits
SBSMCB401	MEDICAL MICROBIOLOGY & IMMUNOLOGY	2
SBSMCB402	APPLIED MICROBIOLOGY	2
SBSMCB403	BASICS IN GENETICS AND MOLECULAR BIOLOGY	2
SBSMCBP4	PRACTICALS	3

SEMESTER V

Course code	Name of the Unit	Credits
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SBSMCB501	MICROBIAL GENETICS	2.5
SBSMCB502	MEDICAL MICROBIOLOGY AND IMMUNOLOGY: PART-I	2.5
SBSMCB503	MICROBIAL BIOCHEMISTRY: PART-I	2.5
SBSMCB504	BIOPROCESS TECHNOLOGY: PART I	2.5
SBSMCBP5	PRACTICALS	06

Course code	Title	Credits
SBSAPC503	FOOD PRODUCTION AND PROCESSING (General Principles)	2
SBSAPCP503	PRACTICALS	2

SEMESTER IV

Course code	Title	Credits
SBSMCB601	rDNA TECHNOLOGY, BIOINFORMATICS AND VIROLOGY	2.5
SBSMCB602	MEDICAL MICROBIOLOGY AND IMMUNOLOGY: PART-II	2.5
SBSMCB603	MICROBIAL BIOCHEMISTRY: PART-II	2.5
SBSMCB604	BIOPROCESS TECHNOLOGY: PART II	2.5
SBSMCBP6	PRACTICALS	06

Course code	Title	Credits
SBSAPC603	FOOD PRODUCTION AND PROCESSING (Advanced methods, Applications and Quality Assurance)	2
SBSAPCP603	PRACTICALS	2

POST GRADUATE:**SEMESTER I**

Course code	Title	Credits
SMSMCB101	VIROLOGY AND CELL BIOLOGY-II	4
SMSMCB102	GENETICS-II	4
SMSMCB103	MICROBIAL BIOCHEMISTRY	4
SMSMCB104	MEDICAL MICROBIOLOGY & IMMUNOLOGY	4
	PRACTICALS	
SMSMCBP101	CELL BIOLOGY AND VIROLOGY	2
SMSMCBP102	MICROBIAL GENETICS	2
SMSMCBP103	MICROBIAL BIOCHEMISTRY	2
SMSMCBP104	MEDICAL MICROBIOLOGY & IMMUNOLOGY	2

SEMESTER II

Course code	Title	Credits
SMSMCB201	VIROLOGY AND CELL BIOLOGY-II	4
SMSMCB202	GENETICS-II	4
SMSMCB203	MICROBIAL BIOCHEMISTRY	4
SMSMCB204	MEDICAL MICROBIOLOGY & IMMUNOLOGY	4
	PRACTICALS	
SMSMCBP201	VIROLOGY AND CELL BIOLOGY-II	2
SMSMCBP202	GENETICS-II	2

SMSMCBP203	MICROBIAL BIOCHEMISTRY	2
SMSMCBP204	MEDICAL MICROBIOLOGY & IMMUNOLOGY	2

SEMESTER III

Course code	Title	Credits
SMSMCB301	RESEARCH METHODOLOGY	4
SMSMCB302	FOOD MICROBIOLOGY	4
SMSMCB303	ADVANCES IN BIOTECHNOLOGY-I	4
SMSMCB304	ENVIRONMENTAL MICROBIOLOGY-I	4
SMSMCBP3	PRACTICALS	
SMSMCBP301	Research proposal writing	2
SMSMCBP302	Food Microbiology	2
SMSMCBP303	Advances in Biotechnology-I	2
SMSMCBP304	Environmental Microbiology-I	2

SEMESTER IV

Course code	Title	Credits
SMSMCB401	TOOLS AND TECHNIQUES: BIOMOLECULAR ANALYSIS	4
SMSMCB402	PHARMACEUTICAL MICROBIOLOGY	4
SMSMCB403	ADVANCES IN BIOTECHNOLOGY-II	4
	Pharmaceutical Biotechnology and Bioethics	
SMSMCB404	ENVIRONMENTAL MICROBIOLOGY-II	4

SMSMCBP4	PRACTICALS	
SMSMCBP401	Dissertation submission and presentation	2
SMSMCBP402	Pharmaceutical Microbiology	2
SMSMCBP403	Advances in Biotechnology-II	2
SMSMCBP404	Environmental Microbiology-II	2

III BOS composition

Dr. Arjumanara Surti - Chairperson, Board of Studies

Dr. Anuradha Pendse -The Vice-Chancellor's nominee

Dr. Vikrant Bhoir - ICMR NIRRH Subject Expert (outside the Parent University)

Dr. Manju Sharma - ICT Subject Expert (outside the Parent University)

Dr. Girish Mahajan - Representative from industry

Ms. Martina Gomes - Postgraduate alumnus

Other Member of Faculty

Dr. Rajbinder Kaur

Ms. Shraddha Prabhu

Mr. Vijay Vig

IV Dates of BOS meetings

27th March 2021

29th January 2022

16th April 2022

1. Activities Conducted by the department:

ACTIVITY 1

“PCOD and other menstruation problems in women”

Date (from & to) - 3rd August 2021

Guest/Speaker – Dr. Mukesh Gupta



ACTIVITY 2

“Bioentrepreneurship and supporting Ecosystem”(ONLINE WEBINAR)

Date - 23rd September, 2021

Number of students involved - 71

Guest/Speaker – Ms Suman Gupta

Recording...

How to get incubated at BBB

Who can apply:
 • Students (Minimum qualification - Graduate)
 • Individuals
 • Company/Start-ups

Participants (88)

Find a participant

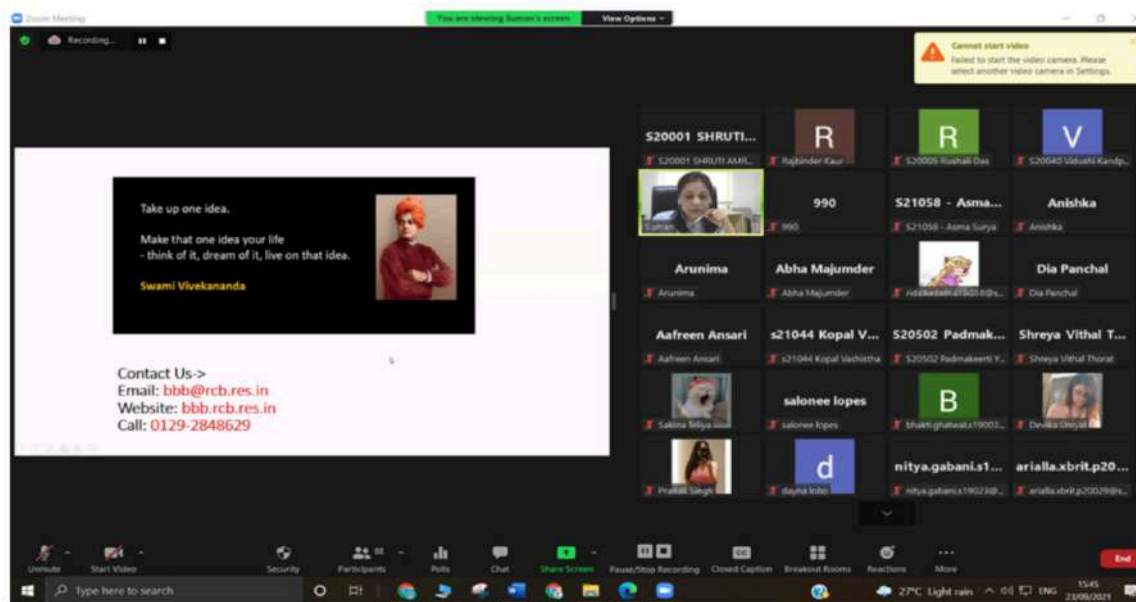
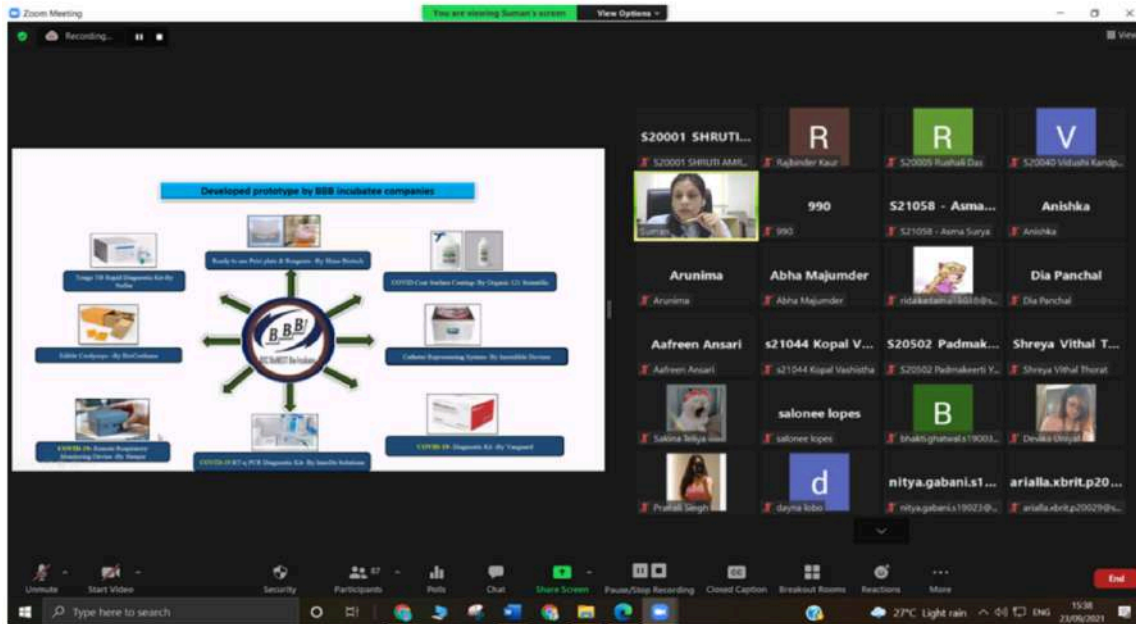
- Rajbinder Kaur (Host, me)
- Suman (Co-host)
- Arjumanara Surti (Co-host)
- S20001 SHRUTI AMR... (Co-host)
- S20005 Ruchal Das (Co-host)
- S20040 Vishal... (Co-host) [Ask to Unmute](#)

Chat

From S20040 Vishal Kandpal to Everyone:
 Please feel free to use the chat box for asking your questions, they will be addressed at the end of the talk. Thank you.

Who can see your messages? Broadcasting On

To: Everyone
 Type message here...



ACTIVITY 3

“Hypothesis testing using an online software- Jamovi”

Date (from & to) - 23rd November 2021, Duration (3-6pm)

Guest/Speaker – Dr. Madhukar Dalvi

Invitation Letter:



Sophia College (Autonomous)
Bhulabhai Desai Road
Mumbai - 400029
Ph: 022-23512642 / 23523304
sophiacollegemumbai.com

20th November, 2021

To,
Dr Madhukar Dalvi,
Assistant Professor,
Department of Mathematics and Statistics,
Nagindas Khandwala College,
Malad,
Mumbai


Dear Sir,

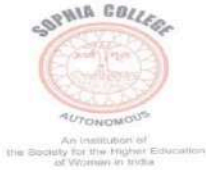
It gives me great pleasure to invite you to conduct an online workshop on 'Hypothesis testing using online software - jamovi' on Tuesday, 23rd November 2021 at 3 pm.

I am sure that this workshop will benefit the Post graduate students, PhD scholars and staff of colleges who wish to enroll for the workshop.

Looking forward to seeing you soon.

Thanking you.


Yours sincerely,
Dr Arjumanara M Surti,
Associate Professor and Head,
Department of Microbiology,
Sophia College.



Office of the Principal

Sophia College (Autonomous)
Bhulabhai Desai Road
Mumbai - 400029
Ph: 022-23512642 / 23523304
sophiacollegemumbai.com

24th November, 2021

To,
Dr Madhukar Dalvi,
Assistant Professor,
Department of Mathematics and Statistics,
Nagindas Khandwala College,
Malad,
Mumbai

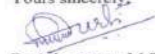
Dear Sir,

Thank you very much for taking your valuable time out and conducting an online workshop on 'Hypothesis testing using online software- jamovi' on Tuesday, 23rd November, 2021 from 3 to 6pm..

The session conducted by you was appreciated a lot by all the participants. You had explained everything so well that the concepts became very clear and the use of the software was also done lucidly.

Thank you once again.

Yours sincerely,


Dr Arjumanara M Surti,
Associate Professor and Head,
Department of Microbiology,
Sophia College.

ACTIVITY 4

Screening of the movie 'HELLARO'

Based on the theme of the year HOPE, RESILIENCE & COURAGE, the DEPARTMENT OF MICROBIOLOGY organized an online screening of the movie 'HELLARO'.

Date (from & to) - 22nd Jan 2022

Number of students involved - 63

Movie screening (Online)

Theme of the year
Hope Resilience & courage

OPENING FILM
NATIONAL PROGRAM
INTERNATIONAL FILM
FESTIVAL OF INDIA, COA
2019

66TH NATIONAL AWARDS
BEST FILM 2019
BEST ACTRESS
SPECIAL JURY AWARD

HELLARO

Organized by
Department of Microbiology

DATE : SATURDAY, 22ND JAN 2022
Time 2:15 pm

PLATFORM : ZOOM Meeting ID: 946 4749 7699 Passcode: 704866

ACTIVITY 5

‘Applications Of Microbial Technology And Entrepreneurship Opportunities’

Date (from & to) - 25th Jan 2022

Number of students involved - 53

Guest/Speaker – Dr. Annamma Anil Odaneth

SOPHIA COLLEGE
AUTONOMOUS

DEPARTMENT OF MICROBIOLOGY
INVITES YOU TO

GUEST LECTURE

**APPLICATIONS OF MICROBIAL
TECHNOLOGY AND
ENTREPRENEURSHIP OPPORTUNITIES**

SPEAKER : DR. ANNAMMA ODANETH



**Associate Professor
Institute of Chemical Technology,
Matunga, Mumbai.**

DATE :
Tuesday,
25th January 2022
9:30 -10:30 am

Platform: ONLINE
Zoom Meeting ID:
941 6326 8351
Passcode: 601290

E-certificates will be provided only
after filling the feedback form at the
end of the lecture.

Are you fascinated with microbiology? The field of microbiology is expanding and being significantly impacted by advancements in technology. Working on the latest innovations in research, pharmaceuticals, agriculture, and biotechnology are responsibilities commonly associated with Microbiologists. If you've ever wondered how you can be on the cutting edge of life sciences research, while developing novel solutions to existing problems, and how could you capitalize on the rapidly developing field of microbiology? JOIN US FOR THIS LECTURE about integrating passion for research and entrepreneurship.

SOPHIA COLLEGE (AUTONOMOUS)
 Department of Life Sciences &
 Department of Microbiology

invite you to attend an add-on online certificate course on

Scientific Writing
(sponsored by RUSA 2.0)

Date: 16th June 2021 to 30th September 2021
Last date of registration: 14th June 2021

Resource Persons: In-house and guest faculty as well as eminent scientists

P.S.: Certificates will be provided only to those who attend all the sessions AND submit the assignments.

Eligibility: All BSc and first-year MSc students are encouraged to attend.

Registration procedure: Please fill the Google form, make the payment through the online mode. After registration, you will be required to join a WhatsApp group and a Google classroom for this course.

Scientific Writing Course

Learning Objectives:

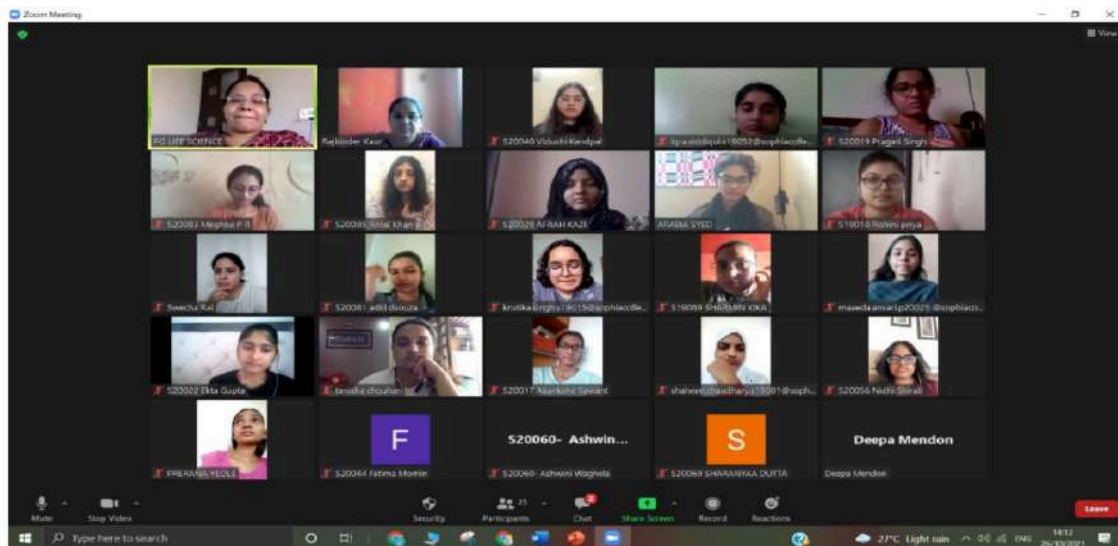
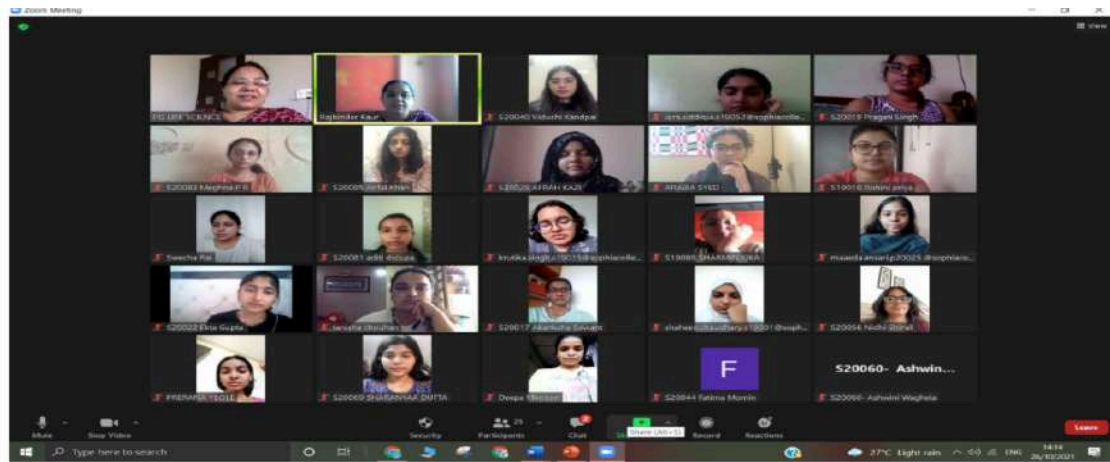
- The student will learn
- To search for relevant and authentic scientific content
- To communicate the essence to the common audience
- To develop effective scientific written and oral communication skills

Learning Outcomes:

After attending the course and completing the assignments, students will gain confidence on how to read and analyze scientific literature in the area of their chosen interest. They will be able to comprehend and summarize scientific literature which will give them an edge in their academic performance.

Course Convenors:
Dr. Hemalatha Ramachandran
Dr. Rajbinder Kaur Dehiya
Dr. Bhavna Daswani

Contact us: sophiascientificwriting@gmail.com



ACTIVITY 2

SACCR one-credit add-on certificate

The Department of Microbiology at Sophia College organized a 30-hour one-credit add-on certificate course in Clinical Research (SACCR). The course aimed to provide both undergraduate and postgraduate students with comprehensive knowledge and skills in the field of clinical research.

Date (from & to) - February to March 2022

Number of staff members involved - Two, Dr. Arjumanara Surti and Ms Waheedunnisa Chaudri

Guest/Speaker – Dr. Amir Shaikh, Mr. Kshiteej Sode and Ms. Shahnaz Vakhariya.



SOPHIA COLLEGE AUTONOMOUS (MUMBAI)
DEPARTMENT OF MICROBIOLOGY
PRESENTS
ONE CREDIT ADD-ON CERTIFICATE COURSE
IN
CLINICAL RESEARCH

TIMING : FEBRAURY TO MARCH 2022
DURATION : 30 HOURS
ELIGIBILITY : UNDERGRADUATE & POSTGRADUATE STUDENTS OF SOPHIA COLLEGE(AUTONOMOUS) & OTHER COLLEGES.
PLATFORM : ZOOM, GOOGLE MEET & GOOGLE CLASSROOM

Course fee :2000/-

Registration link : <https://forms.gle/vPXzsbkNC3nBGTmb7>
Note : CERTIFICATE WILL BE PROVIDED ON SUCCESSFUL COMPLETION OF THE COURSE.
For any doubts /enquires please contact on
[\(microbiologycr22@gmail.com\)](mailto:microbiologycr22@gmail.com)
COURSE CO-ORDINATOR: DR.ARJUMANRA SURTI
Assisted by : MS. WAHEEDUNNISA CHAUDRI

