

## **SUPERHEROES AGAINST SUPERBUGS AND FOLDSCOPE EVENT**

**AIM:** Superheroes against Superbugs and Foldscope event with hands-on activities to understand concepts related to emerging issues of antibiotic resistance by disease causing microorganisms through a novel approach of foldscope

### **OBJECTIVE:**

- This program provided an opportunity to understand concepts related to emerging issues of antibiotic resistance by disease causing microorganisms.
- It created awareness on the effect of antibiotic resistance on public health.
- Students were introduced to a new world of paper microscope- Foldscope.

Students were taught how to handle and use the paper microscopes. Students had hands-on experience with the Foldscope.

**Date of Event:** 23rd July 2022



Sonopant Dandekar Shikshan Mandali's

**SONOPANT DANDEKAR ARTS, V. S. APTE COMMERCE  
AND M. H. MEHTA SCIENCE COLLEGE**

Tal. Palghar, Dist. Palghar, Pin - 401 404.

Code.: (02525) 252163, Prin : 252317 • Resi. : 252316

website : [www.sdsmcollege.com](http://www.sdsmcollege.com) • Email: [sdsmcollege@yahoo.com](mailto:sdsmcollege@yahoo.com)  
(NAAC Reaccredited 'B' Grade)

Ref. No. : Sent/138/22-23

Date : 20/7/22

To,  
Dr. Anupma Harshal W. (PhD)  
Project Manager,  
Pune Knowledge Cluster.

**SUBJECT: - Invitation for conducting an interactive session on "STOP  
SUPERBUGS with 'hands on' activities, and FOLDSCOPE event".**

Respected Madam,

This is with reference to the conversation between you and Dr. Shilpa M. Gharat regarding the arrangement of an interactive session on "STOP SUPERBUGS" with hands on activities and using "FOLDSCOPE", for our students.

We will be glad if you accept our invitation to come here and guide our students for the same on 23<sup>rd</sup> July 2022, as per your convenience.

Thanking you,

Yours sincerely,

(Dr. Kiran J. Save)

**Principal**

**Sonopant Dandekar Arts College**

**V. S. Apte Commerce College &**

**M. H. Mehta Science College,**

**PALGHAR (W.R.)**

**Dist. Palghar, Pin 401 404.**



*An interactive session with  
hands on activities*



**STOP  
LEND A HAND  
SUPERBUGS**

*Dr. Anupma Harshal W.  
(Ph.D.) SaS Fellow*

*Date  
July 23rd  
2022*

*Time  
10:00  
AM*



**Registration Link:**  
[https://forms.gle/zAWH5nfLsQ7Hi8  
HZ7](https://forms.gle/zAWH5nfLsQ7Hi8HZ7)

**Hosted By**  
Shri Dahyabhai Amritlal Shah Institute of Biotechnology,  
Sonopant Dandekar College, Palghar

## ATTENDANCE

Sr. No.	Roll.No.	Name	Class	Department	Signature
1		Sarath Umikaishnan Nair	M.Sc-II	Biotechnology	<i>Sarath</i>
2		Sondal Sandoshkumar Praisapati	MSc-II	Biotechnology	<i>Sondal</i>
3		Kishan K.B. Gautam	Msc-II	Biotech.	<i>Kishan</i>
4)		Sandeep R. Yadav	MSc-II	Biotech.	<i>Sandeep</i>
5		Arjun M Nair	MSc-II	Biotech	<i>Arjun</i>
6)		Siddiqui Shama Parveen Mdk	TYBSC	Botany	<i>Shama</i>
7)		Yadav Bhavati Suresh Prasad	TYBSC	Botany	<i>Yadav</i>
8)		Yadav Priya Jata Shankar	TYBSC	Botany	<i>Priya</i>
9)		Siddiqui Sana Parveen mdk	TYBSC	Botany	<i>Sana</i>
10)		Raina Harishchandra Pal	S.Y. BSc	Biotech	<i>Raina</i>
11)		Dinja Damodar Gawad	S.Y. BSc	Biotech	<i>Dinja</i>
12)		Titu Krishna Karbat	S.Y. BSc	Biotech	<i>Titu</i>
13)		Chandrabhan B. SHUKLA	S.Y. BSc	Biotech	<i>Chandrabhan</i>
14)		Vedant S. Gharat	S.Y. BSc	Biotech	<i>Vedant</i>
15)		Shivam L. Shingre	S.Y. BSc	Biotech	<i>Shivam</i>
16)		Mayur S. Dhangada	S.Y. BSc	Biotech	<i>Mayur</i>
17)		Sushant D. Mali	TYBSC	Biotech	<i>Sushant</i>
18)		Prathmesh P. Goli	TYBSC	Biotech	<i>Prathmesh</i>
19)		Yogesh - M. Jha	TYBSC	Biotech	<i>Yogesh</i>
20)		Yani datt H. Rai	S.Y. BSc	Biotech	<i>Yani</i>
21)		Harishkesh J. Palare	S.Y. BSc	Biotech	<i>Harishkesh</i>
22)		Shreyash Dicit	S.Y. BSc	Biotech	<i>Shreyash</i>
23)		Rajivendra Dubey	S.Y. BSc	Biotech	<i>Rajivendra</i>
24)		Yadnyesh S. Akari	S.Y. BSc	Biotech	<i>Yadnyesh</i>



## SESSION-2 (23/7/22)

AN INTERACTIVE SESSION WITH HANDS ON ACTIVITIES "STOP SUPERBUGS AND FOLDSCOPE"

Date/ Time: 23rd July 2022/10.00 am

### ATTENDANCE

Sr. No.	Roll.No.	Name	Class	Department	Signature
1	120	Sasath Umikrishnan Nair	MSc-II	Biotechnology	<i>Sasath</i>
2		Sanul Sandeshkumar Prajapati	MSc-II	Biotech	<i>Sanul</i>
3		Kishan K B. Guntam	MSc-II	Biotech	<i>Kishan</i>
4		Arun M Nair	MSc-II	Biotech	<i>Arun</i>
5		Sandeep R. Yelaw	MSc-II	Biotech	<i>Sandeep</i>
6		Shreyash Dixit	BSc B.T	Biotech	<i>Shreyash</i>
7		Hrishikesh J. Palave	SyBSc	Biotech	<i>Hrishikesh</i>
8		Raina H. Pal	Sy.BSc	Biotech	<i>Raina</i>
9		Divya Damodar Gawad	S.Y.BSc	Biotech	<i>Divya</i>
10		Jitu Krishna Karbat	S.Y.BSc	Biotech	<i>Jitu</i>
11		CHANDRABHAN B. SHUKLA	S.Y.BSc	Biotech	<i>Chandrabhan</i>
12)		Vedant S. Gharat	S.Y.BSc	Biotech	<i>Vedant</i>
13)		Shivam L. Shingre	S.Y.BSc	Biotech	<i>Shivam</i>
14)		Mayur S. Dhangale	S.Y.BSc	Biotech	<i>Mayur</i>
15)		Prathmesh P. Goli	T.Y. Biotch	BIOTECH	<i>Prathmesh</i>
16)		Sushant D. Mali	T.Y. BSc	Biotech	<i>Sushant</i>
17)		Yogesh M. JHA	T.Y. Biotech	Bio Tech	<i>Yogesh</i>
18)		Vani datt A. Rai	S.Y. Biotech	Biotech	<i>Vani</i>
19)		Raghvendra Dabry	S.Y. BSc	Biotech	<i>Raghvendra</i>
20)		Om Prajapati	S.Y.BSc	Biotech	<i>Om</i>
21)		Yadnyesh S. Attari	S.Y.BSc	Biotech	<i>Yadnyesh</i>
22)		Siddhi Shinde	MSc-II	Biotech	<i>Siddhi</i>
23		Sakshi S. Tiwari	MSc-II	Biotech	<i>Sakshi</i>

AN INTERACTIVE SESSION WITH HANDS ON ACTIVITIES "STOP SUPERBUGS AND FOLDSCOPE"  
Date/ Time: 23rd July 2022/10.00 am

**ATTENDANCE**

Sr. No.	Roll.No.	Name	Class	Department	Signature
24		Kajal Anil Khilare	Msc II	Biotech	<i>Kajal</i>
25		Shivangi Rajnarayan Tiwari	Msc II	Biotech	<i>Shivangi</i>
26		Manoj Gopal Goenka	Msc II	Biotech	<i>Manoj</i>
27		Afrin Azad Shaikh	Msc II	Biotech	<i>Afrin</i>
28		Prajwali Pramod Bhoir	Msc II	Biotech	<i>Prajwali</i>
29		Nikita Jaywant Rajpure	TY	Biotech	<i>Nikita</i>
30		Kasturi Bhaskar Dumbare	TY	Biotech	<i>Kasturi</i>
31		Shruti Ramesh Topale	T.Y	Biotech	<i>Shruti</i>
32		Pooja Nagraj Shitmande	TY	Biotech	<i>Pooja</i>
33		Bushra Shaukat Shaikh	T.Y	Biotech	<i>Bushra</i>
34		Chaubey Ruchi Manibhushan	T.Y	Biotech	<i>Ruchi</i>
35		Karnavi Kiran Patel	S.Y	Biotech	<i>Karnavi</i>
36		Aakanksha Madhav Behere	S.Y	Biotech	<i>Aakanksha</i>
37		Alaknanda K. Edachali	S.Y.	Biotech	<i>Alaknanda</i>
38		AJMI. S. KHAN	S.Y	Biotech	<i>AJMI</i>
39		Anisha Santosh Bhoir	S.Y	Biotech	<i>Anisha</i>
40		Nidhi Jagannatha Poojari	S.Y	Biotech	<i>Nidhi</i>
41		Gauri Suresh Raut	S.Y	Biotech	<i>Gauri</i>
42		Riddhi Mahesh Sankhe	SYBSC	Biotech	<i>Riddhi</i>
43		Nisha Nandiyal	S.Y	Biotech	<i>Nisha</i>
44		Princi Tiwari	S.Y	Biotech	<i>Princi</i>
45		Sanika Sharma	S.Y	Biotech	<i>Sanika</i>
46		Khushboo Yadav	S.Y	Biotech	<i>Khushboo</i>







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(NAAC Reaccredited 'B' Grade)

Ref. No.: *Appre/141/22-23*

Date: *23/07/2022*

To,  
Dr. Anupma Harshal (Ph.D)  
Project Manager,  
Pune Knowledge Cluster.

**SUBJECT: Letter of appreciation.**

Respected Madam,

On behalf of Sonopant Dandekar College, I would like to thank you for conducting an interactive session on "STOP SUPERBUGS" and "FOLDSCOPE" on Saturday, 23<sup>rd</sup> July 2022 for our students

We are grateful to you for making time from your busy schedule to visit our College for reaching out to our students and create awareness on antimicrobial resistance and hands on activity.

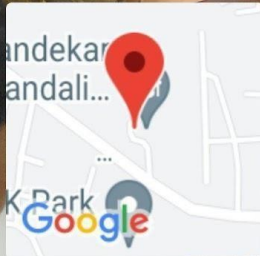
Anticipating more interactions with you in near future for continued learning

Thanking You.

Yours Sincerely

Dr. Kiran J. Save  
**Principal**  
Sonopant Dandekar Arts College  
V. S. Apte Commerce College &  
M. H. Mehta Science College,  
PALGHAR (W.R.)  
Dist. Palghar, Pin 401 404.

## Vice-principal Dr. Tanaji Pol With Guest Dr. Anupma Harshal



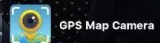
**Palghar, Maharashtra, India**

College Road, Tembode, Mission Compound, Boisar, Palghar,  
Maharashtra 401404, India

Lat 19.711031°

Long 72.759388°

23/07/22 11:13 AM



**Dr. Anupma Interacting with students during session**





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M.H. MEHTA SCIENCE COLLEGE, PALGHAR**

Palghar, Dist – Palghar, Pin – 401 404, E – Mail: sdsmcollege@yahoo.com

**Department of Biotechnology  
EVENT REPORT**

Name of the Event - Superheroes against Superbugs- Foldscope Activity

Date – 22/07/2022

**Time - 10:00 am to 2.00 pm**

**No. of Students Participated – 75**

**About the Event –**

Foldscope – a mini microscope made of paper enables one to observe micro-organisms in a very playful and handy way. A workshop led by Dr. Anupma Harshal was conducted for the students of Biotechnology, Botany and Chemistry by Biotechnology Department.

**Event Objectives –**

- Understand concepts related to emerging issues of antibiotic resistance by disease causing microorganisms through a novel approach of foldscope.
- Create awareness on the effect of antibiotic resistance on public health.
- Introduce the students to a new world of paper microscope- Foldscope.

**Learning Outcome –**

- Learning outcomes of co-curricular activities are geared towards providing students with opportunities to develop various skills. Students learn to handle and use the paper microscopes. Gain hands-on experience with the Foldscope

Asst. Prof. Hardik S. Churi