

Shri Shivaji Education Society Amravati's
Science College Congress Nagar, Nagpur
POPULAR SCIENCE LECTURE

ORGANIZED BY




DEPARTMENT OF BOTANY

IN ASSOCIATION WITH

IWSA , WGRC and Department of Microbiology, Shivaji Science College,
Nagpur

25 January 2025

REPORT



POPULAR SCIENCE LECTURE

ORGANIZED BY
IWSA
IN ASSOCIATION WITH
WGRC, DEPT. OF MICROBIOLOGY & BOTANY
SHIVAJI SCIENCE COLLEGE, NAGPUR

TOPIC
**MICROSCOPY : A KEY TO UNDERSTATING THE
MICROSCOPIC WORLD**

Resource Person:
Dr. Anuradha Nerurkar
Professor of Microbiology (retd), Dept. of Microbiology & Biotechnology, The Maharaja Sayajirao University ,Vadodara Gujarat


Organizer & Chairperson
Dr. O. S. Deshmukh
Principal

Conveners
Dr. Seema Somalwar (IWSA)
Prof. Yogita Meshram (WGRC)
Dr. Pranita Gulhane (Microbiology)
Dr. Reshma Sonwalkar (Botany)

Lecture Highlights

Objective:
Discover the hidden world through microscopy, revealing life at a cellular and molecular level. Learn how powerful techniques unlock new scientific insights. Join us to explore the microscopic realm's impact on technology and research.

Scope
Microscopy enables the study of tiny structures beyond the naked eye, unlocking insights into biology, materials, and medicine. It's essential for advancing research and technological innovations.



DISCOVER THE HIDDEN WORLD AND UNLOCK THE FUTURE OF SCIENCE WITH MICROSCOPY!

Date : 25/01/2025 | Time: 12:30 PM
Venue : C-3, Dept. of Physics

The Guest Lecture on "Microscopy: A Key to Understanding the Microscopic World" was organized by the Botany, Shivaji Science College, Nagpur in collaboration with Indian Women Scientists' Association (IWSA) , WGRC and Department of Microbiology Shivaji Science

College, Nagpur on **January 25, 2025**. The session aimed to provide insights into the role of microscopy in scientific research, exploring its applications in biology, medicine, and material science. The **resource person for the lecture was Dr. Anuradha Nerurkar, a retired Professor of Microbiology from The Maharaja Sayajirao University, Vadodara, Gujarat**. Dr. Nerurkar, with her vast experience in microbiology and biotechnology, delivered an enlightening talk on the significance of microscopy in understanding life at a cellular and molecular level.

The event was **chaired by Dr. O. S. Deshmukh, Principal of Shivaji Science College**, and was coordinated by **Dr. Seema Somalwar (IWSA), Prof. Yogita Meshram (WGRC), Dr. Pranita Gulhane (Microbiology), and Dr. Reshma Sonwalkar (Botany)**. Their collective efforts ensured the smooth execution of the program. Dr. Nerurkar began the session by explaining how microscopy has revolutionized science by allowing researchers to study microscopic structures beyond what the human eye can see. She elaborated on different types of microscopes, including **light microscopy, electron microscopy, and fluorescence microscopy**, and discussed their applications in medical diagnostics, biotechnology, and nanotechnology. The lecture highlighted how microscopic techniques are crucial for discovering **new medical treatments, understanding disease mechanisms, and advancing research in various scientific fields**.

The session focused on the **importance of microscopy in research and innovation**, providing participants with valuable knowledge about modern techniques and developments. Dr. Nerurkar Madam shared practical applications of microscopy in **biomedical research, material science, and environmental studies**, inspiring students and faculty members to explore this fascinating field further. The event concluded with an interactive **Q&A session**, where students actively engaged with the speaker, asking questions about recent advancements in microscopy.

Overall, the guest lecture was **highly informative and thought-provoking**, enriching the understanding of the microscopic world and its impact on science and technology. The initiative by **IWSA and Shivaji Science College** was greatly appreciated, as it provided a platform for young minds to explore cutting-edge scientific techniques. The program ended with a **vote of thanks**, expressing gratitude to **Dr. Anuradha Nerurkar, the organizers, and the participants** for their valuable contributions in making the event a success.



Dr. Reshma P. Sonwalkar

CONVENER

Assistant Professor
Department of Botany
SSES Am't's Science College,
Congress Nagar, Nagpur-12.



Prof. P.S. Tiwari

HOD

Professor and Head
Department of Botany,
SSES Am't's Science College,
Congress Nagar, Nagpur-12.



Action Taken Report

The Department of Botany, Shivaji Science College, Nagpur, in collaboration with the Indian Women Scientists' Association (IWSA), WGRC, and the Department of Microbiology, organized a guest lecture on "**Microscopy: A Key to Understanding the Microscopic World**" on **January 25, 2025**. The session, conducted by **Dr. Anuradha Nerurkar**, a retired Professor of Microbiology from **The Maharaja Sayajirao University, Vadodara**, aimed to enhance participants' knowledge of microscopy and its applications in biology, medicine, and material science. Dr. Nerurkar explained the evolution of microscopy, covering various types, including **light, electron, and fluorescence microscopy**, and their role in scientific research and diagnostics. The lecture also highlighted the practical applications of microscopy in **biomedical research, biotechnology, and nanotechnology**, inspiring students and faculty to explore this

field further. The event concluded with an interactive Q&A session, where students actively participated. The program was successfully executed under the coordination of **Dr. Seema Somalwar (IWSA)**, **Prof. Yogita Meshram (WGRC)**, **Dr. Pranita Gulhane (Microbiology)**, and **Dr. Reshma Sonwalkar (Botany)**, with the support of **Dr. O. S. Deshmukh**, Principal of the college. The lecture was well-received and provided valuable insights into modern scientific techniques.

Popular Science Lecture
Microscopy: ~~Microbiology~~
25/01/25
Attendance sheet

Sr No.	Name of the Student	Class	Signature
1	Bhavesh S. Khebragade	B.Sc. II nd year	BK
2	Riya D. Bisen	B.Sc. II nd year	Riya
3	Sonwani A. Dabkar	B.Sc. II nd year	Sonwani
4	Yashasvi P. Kolhe	B.Sc. II nd year	Kolhe
5	Leena B. Gholve	B.Sc. II nd year	Gholve
6	Tijani N. Hadge	B.Sc. II nd year	Hadge
7	Jyargi Jyargode	B.Sc. II nd year	Jyargode
8	Nayan Dabaskar	B.Sc. II nd year	Nayan
9	Mangsi Binekare	B.Sc. II nd year	Binekare
10	Gauri Bhalakar	B.Sc. II nd year	Bhalakar
11	Manasvi Borkar	B.Sc. II nd year	Borkar
12	Shreyasha Borkar	B.Sc. II nd year	Borkar
13	Ketki Bhagwat	B.Sc. II nd year	Bhagwat
14	Shreya Jenekare	B.Sc. II nd year	Jenekare
15	Sonali Lande	B.Sc. II nd year	Lande
16	Khushi Anmadwar	B.Sc. II nd year	Anmadwar
17	Saurabh Kamane	B.Sc. II nd year	Kamane
18	Shantanu Singh Shobkhar	B.Sc. II nd year	Shobkhar
19	Vinay Rajendra Budhe	B.Sc. II nd year	Budhe
20	Isha Ambulkar	B.Sc. II nd year	Ambulkar
21	Surbhi Dabat	B.Sc. II nd year	Dabat
22	Shruti R. Jain	B.Sc. II nd year	Jain
23	Shrishti R. Dhote	B.Sc. II nd year	Dhote
24	Kastin V. Kadu	B.Sc. II nd year	Kadu
25	Greyc. C. Jimane	B.Sc. 3 rd year	Jimane
26	Apita K. Gajbhiye	B.Sc. 3 rd year	Gajbhiye
27	Nikita B. Ingole	B.Sc. 3 rd year	Ingole
28	Toupti D. Ambale	B.Sc. 3 rd year	Ambale
29	Chetna K. Dalvi	B.Sc. 3 rd year	Chetna
30	Komal S. Kamble	B.Sc. 3 rd year	Kamble
31	Rushai G. Shugal	B.Sc. 3 rd year	Shugal

Sr. No.	Name of the Student	Class	Signature
32)	Vaidahi Anasane	Bsc 3 rd year	<u>V. Anasane</u>
33)	Samiksha Khot	Bsc 3 rd year	<u>S. Khot</u>
34)	Haushada Chikhalkar	BSC 3 rd year	<u>H. Chikhalkar</u>
35)	Yashika Bagde	B.Sc. 3 rd year	<u>Y. Bagde</u>
36)	Kanika Ishwarakar	Bsc 3 rd year	<u>K. Ishwarakar</u>
37)	Sneha Kulkarni	Bsc 3 rd year	<u>S. Kulkarni</u>
38)	Gauri Kale	Bsc 3 rd year	<u>G. Kale</u>
39)	Shravani Kalamkar	Bsc 3 rd year	<u>S. Kalamkar</u>
40)	Dushant Borkar	Bsc 3 rd year	<u>D. Borkar</u>
41)	ARPIT KAMBE	BSC 3 rd yr	<u>A. Kambe</u>
42)	Arushree Ghosh	BSC 1 st year	<u>A. Ghosh</u>
44)	RUZAIN Nawaz	BSC 1 st year	<u>R. Nawaz</u>
45)	Kritika Singh	BSC 1 st year	<u>K. Singh</u>
46)	Mazza Parveen	BSC 1 st year	<u>M. Parveen</u>
47)	Anusha Zubiyar	BSC 1 st year	<u>A. Zubiyar</u>
48)	Vaidahi welonkiwor	Bsc 1 st year	<u>V. Welonkiwor</u>
49)	Tanhami Dharpure	Bsc 1 st year	<u>T. Dharpure</u>
50)	Medha .S. Palliwade	Bsc 1 st year	<u>M. Palliwade</u>
51)	shreya Chauhan	BSC 1 st year	<u>S. Chauhan</u>
52)	Anjali R. Bahu	BSC 1 st year	<u>A. Bahu</u>
53)	Saniya N. Dongre	BSC 1 st year	<u>S. Dongre</u>
54)	Sanahya Singh	BSC 1 st year	<u>S. Singh</u>
55)	Sana P. Patil	BSC 1 st year	<u>S. Patil</u>
56)	Deepam. M. Vadava	Bsc 2 nd year	<u>D. Vadava</u>
57)	Sauabh. J. Dongre	B.Sc 2 nd year	<u>S. Dongre</u>
59)	Akhil .K. Birkate	B.Sc 1 st year	<u>A. Birkate</u>
60)	Saniya .V. Ramteke	BSC 1 st year	<u>S. Ramteke</u>
61)	Simran Kaur Bawa	BSC 1 st year	<u>S. Bawa</u>
62)	Yasraj Ganskar	BSC 1 st year	<u>Y. Ganskar</u>
63)	Aishwarya Wapade	BSC 1 st year	<u>A. Wapade</u>
64)	Mumali kadu	BSC 1 st year	<u>M. Kadu</u>

Sr no.	NAME OF STUDENT	CLASS	Signature
65.	Sheetal Marepalli	BSC 1 st year	<u>S. Marepalli</u>
66.	Harshili Kambade	BSC 1 st year	<u>H. Kambade</u>
67.	Jaini Meshram	BSC 1 st year	<u>J. Meshram</u>
68.	Sanskuti Motghare	BSC 1 st year	<u>S. Motghare</u>
69.	phalguni d. more	BSC 1 st year	<u>P. More</u>
70.	Neha. P. Ashtikar	B.Sc 1 st year	<u>N. Ashtikar</u>
71.	Saloni S. Patle	BSC 1 st year	<u>S. Patle</u>
72.	Samidha. Y. Nagdeve	Bsc 1 st year	<u>S. Nagdeve</u>
73.	Vaishnavi Karade	BSC 1 st year	<u>V. Karade</u>
74.	Purva Khamonkar	BSC 1 st year	<u>P. Khamonkar</u>

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FEEDBACK FORM

B *I* U

GUEST LECTURE ON TOPIC- MICROSCOPY A KEY TO UNDERSTAND THE MICROSCOPIC WORLD

This form is automatically collecting emails from all respondents. [Change settings](#)

STUDENT NAME *

Short answer text

CLASS *

Short answer text

MOBILE NO *

Short answer text

Q1. Was the topic relevant to your field of study/work? *

- YES
 NO

Q2. How well was the topic explained? *

- EXCELLENT
 GOOD
 SATISFACTORY

Q3. How engaging was the speaker? *

- EXCELLENT
 GOOD
 SATISFACTORY

Q4. How would you rate the presentation materials (slides, images, videos, etc.)? *

- EXCELLENT
 GOOF
 SATISFACTORY

Q5. Did the lecture enhance your understanding of microscopy? *

- YES
 NO

Q1. Was the topic relevant to your field of study/work?

 Copy chart

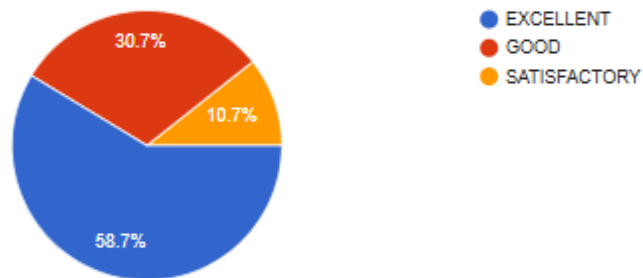
75 responses



Q2. How well was the topic explained?

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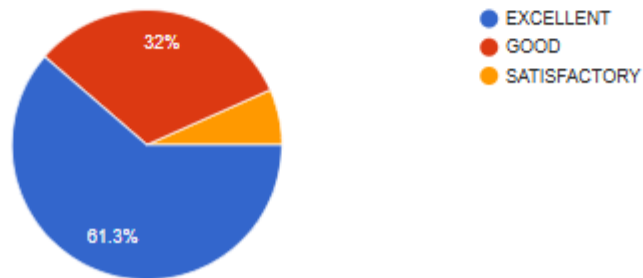
75 responses



Q3. How engaging was the speaker?

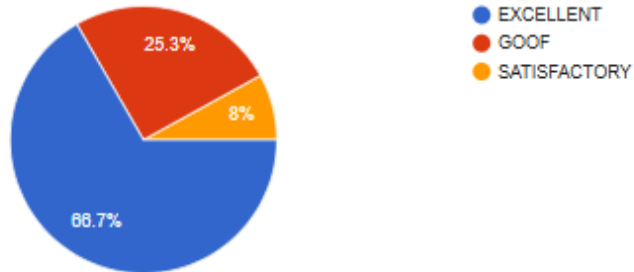
 Copy chart

75 responses



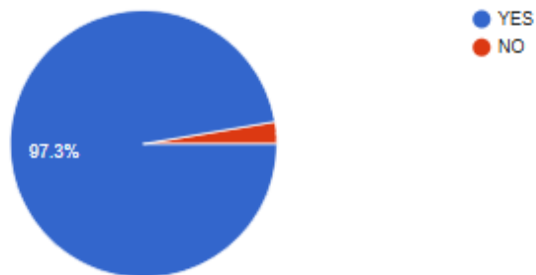
Q4. How would you rate the presentation materials (slides, images, videos, etc.)? [Copy chart](#)

75 responses



Q5. Did the lecture enhance your understanding of microscopy? [Copy chart](#)

75 responses



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