

**KAMLA NEHRU MAHAVIDYALYA**  
**ANNUAL REPORT**  
**DEPARTMENT OF MICROBIOLOGY**  
**SESSION 2023-2024**

**“The Department of Microbiology has continued to make significant strides in academic excellence, research innovation, and community engagement over the past year. Our faculty, staff, and students have actively contributed to advancing the understanding of microbial life and its applications in health, industry, and the environment.**

**In the academic year 2003 to the current & Upcoming years , the department successfully delivered a wide range of undergraduate and postgraduate courses, maintaining high standards of teaching and learning. Curriculum enhancements were implemented to align with emerging trends in microbiology, including microbial genomics, antimicrobial resistance, and environmental microbiology.**

**Research output remained robust, with faculty publishing in high-impact journals and securing competitive grants. Key research themes included infectious diseases, microbial biotechnology, and host-pathogen interactions. The department also strengthened interdisciplinary collaborations with other academic units and external research institutions.**

**We take pride in the achievements of our students, several of whom received scholarships, research awards, and presented at national and international conferences. The department also hosted seminars, workshops, and outreach programs aimed at promoting science education and public health awareness.**

**Moving forward, the department remains committed to fostering a dynamic academic environment, supporting groundbreaking research, and contributing to societal needs through microbiological science.”**

## EDUCATIONAL TOUR

Department of Microbiology has organized an educational tour to CSIR NEERI, Nagpur on date 18/04/2024. 48 students were actively participated in this visit along with faculty member.



Department of Microbiology has organized an educational tour to Raman Science centre, Nagpur on date 21/09/23. 48 students were actively participated in this visit along with faculty member.



## INDUSTRIAL VISIT

Department of Microbiology has organized an industrial visit to Parle-G on date 27/10/23. Total 70 students of UG & PG along with faculty member visited to the factory.



## WORKSHOPS

Department of Microbiology has organized workshop on “Handmade colour making with Arranya Paryavaran B.LS Sanstha” Nagpur on date 20/03/24. A team of UG & PG & faculty member visited to Arranya Paryavaran B.S.Sanstha Nagpur, 24 students were benefited.



Department of Microbiology has organized workshop on “Health benefits of Fermeffood” in collaboration with Microbiologists Society of India on date 1/3/24. In this workshop students exhibited fermented food prepared from home & give its importance. Prize distribution done after exhibition .47 students was participated in this event.





Department of Microbiology has organized workshop on “Advance Technique in Life Science” in collaboration with Microbiologists Society of India from 6/2/24 to 13/2/24. Course was inaugurated by Dr. Arvind Deshmukh President of Microbiologists Society of India. During this various renowned lecturer & scientists came to enhance the students’ knowledge.



## HANDS ON TRAINING

To enhance the students working skill & get knowledge, abilities necessary to effectively use bio pesticides & bio fertilizers for sustainable agricultural practices hands on training on synthesis and application of bio pesticide & bio fertilizers in collaboration with MGIRI, Wardha was organized in Department Of Microbiology on 29/8/23 & 30/8/23. 138 students were benefited.



## EXPERT TALK

Department of Microbiology has organized Expert talk on” Health benefits of Fermefood “ in collaboration with Microbiologists Society of India was given by Dr. Sonal Kolte, Dietian, Nutritionists, Nagpur on date 01/3/24. 150 students were motivated by her talk.



## **CERTIFICATE COURSE**

Department of Microbiology has successfully completed certificate course on “cookery & food preservation” Sanctioned under Jeevan Shikshan Abhiyan by RTM Nagpur University from 12/10/23 to 4/11/23. 50 students were benefited. During this various renowned lecturer & scientist came to enhance the students knowledge.



## **EXTENSION ACTIVITY**

Department of Microbiology conducted a program on “Awareness about the courses in life science” on date 21/10/23 at School of Scholars, Hudkeshwar, Nagpur. A team of PG students of Microbiology Dept with 2 faculty member Mrs Aarti Dhabekar & Dr. Shishir Mendhekar visited school for conducting awareness. Total 60 students with other staff of school were benefited.

