

S.S.E.S.A's Science College, Congress Nagar, Nagpur
DEPARTMENT OF BIOTECHNOLOGY

ANNUAL REPORT 2023-2024

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Biotechnology department one of the best departments at UG level in central India which motivate and inspires the students by giving them day to day examples in the subject thereby creating interest in the subject, so that they will apply the subject knowledge in innovative way. Qualified and dedicated teaching staff includes three Ad-hoc lecturers along with two supporting non teaching staff.

Students Strength: There are total 223 students admitted in 2023-2024 academic session.

Result Analysis: Overall result of odd semesters for U.G. Biotechnology is 88% (Even semester results are not out yet)

Students' Extension Activity:

Sr. No.	Name of the activity	The number of students who Participated
1.	Calendar making competition (14 th September 2023)	70 students participated
2.	Rangoli competition(14 th September 2023)	50 students participated
3.	Scientific Model-Making Competition(24 th February2024)	61 students participated
4.	"Immunology and Immunodiagnostics" skill-based workshop (20 th April 2024)	165 students participated
5.	Poster Competition on "Geographical indications of India" (26 th April 2024)	92 students participated

Students pursuing higher course: Nil.

Sr. No.	Name of the Student (2023-24 Batch)	Higher Course

Students Placement during 2023-2024: Nil

Sr. No.	Name of the Student	Name of the Recruited Designation	Name of the Company/Institute

Merit Position of UG Students in RTMNU: Nil

Sr. No.	Name of the Students	Class	Title

Faculty participation in conferences/seminar/workshop and symposia:

Name of the Faculty	Title of Conference/ Seminar/ workshop Attended	Period
Ms.Mayuri Bhad	C2SM	07/03/2024
Dr. Sapna Baghel	C2SM	07/03/2024
Ms. Payal Talekar	C2SM	07/03/2024

Best Practices and Activities conducted in the Department:

Department always organizes various activities for the benefit of students. Students are encouraged to participate in various academic and extra-curricular activities at college level Teacher-student interaction is encouraging which inculcate competitive and humanitarian spirit in the students. Those activities are given as under-

BEST STUDENT AWARD: “Best student award ceremony” was held on 28/02/24 at the hands of Hon’ble Principal Prof. Mahendra P. Dhore sir. Award was given by Microbiologist Society India as well as RTM-NUMBTA (Rashtrasanth Tukdoji Maharaj Nagpur University Microbiology Teachers Association). Mr. Ronit Banerjee from U.G. Biotechnology was felicitated with Best student memento whereas Mr. Shashank Tidke (UG Biotechnology) was felicitated by RTM-NUMBTA(Rashtrasanth Tukdoji Maharaj Nagpur University Microbiology Teachers Association) from the respective categories at the hands of Hon’ble Principal sir.

CALENDAR MAKING COMPETITION ORGANIZED: Calendar making competition on the theme “**Life Sciences including Microbiology & Biotechnology for better health**” was organized by Department of Biotechnology, Science College, Nagpur on the occasion of 125th birth year celebration of Dr. Panjabrao alias Bhausaheb Deshmukh under the chairmanship of Hon’ble Prof. Mahendra Dhore sir and Convener- Dr. Pranita Gulhane. Cash Prizes and Trophies to winners and certificates of participation were distributed to 70 participants on 14th September 2023.

MICROMANIA 2023: Department of Biotechnology organizes Micromania-2023 dated 14th September 2023 in gracious presence of Hon’ble Principal, Prof. Mahendra Dhore sir, , Coordinator Prof. Bobdey and Programme Conveners Dr. Pranita Gulhane ma’am

Certificate/ Prize Distribution:

Microbiologists Society, India -MSI students unit was installed and the Certificates of MSI office

bearers and executive members were distributed at the hands of Chief Hon'ble Principal Prof. Mahendra Dhore Sir, Prof. Atul Bobdey and Convener - Dr. Pranita Gulhane

Best Volunteer Award: Best Volunteer Award was given for active participation and help during various activities organized by Biotechnology. Students are always appreciated for their efforts as a part of recognition for this best volunteer award was given to 10 students.

Felicitation of RTMNU Merit students: Felicitation of RTMNU Nagpur University Merit Students of B. Sc. Biotechnology – (Summer 2022) were done by Hon'ble Principal, Prof. Mahendra P. Dhore Sir. The Meritorious students were Nazish Jeevaji (7th Merit), Sakshi Bobdey (8th Merit), and Komal Waghmare (9th) from B. Sc. Biotechnology.

Micromania Competitions:

Micromania 2023 included a Rangoli competition held on September 14th, 2023, with the theme "Viral Diseases" aimed at emphasizing the importance of understanding and combating infectious viral pathogens. Fifty students participated, showcasing their artistic skills and knowledge about viral diseases. Prof. Yogita Meshram and Dr. Seema Kadu judged the competition, selecting three winning groups and one consolation prize winner. The trophy and certificates were distributed by Hon'ble Chairman & Principal, Prof. Mahendra P. Dhore. The winning groups, Kajal Rahandale and Nital Patle (B.Sc. 1st year) and Kartik Kadu and Leena Gholse (B.Sc. 1st year), were further selected for the National level Rangoli competition.

Under Micromania 2023, Calendar making competition organized by the Department of Biotechnology with the theme "Life Sciences including Microbiology and Biotechnology for better health" in honor of Dr. Panjabrao alias Bhausaheb Deshmukh's 125th birth year celebration. Under the guidance of Hon'ble Chairman & Principal, Prof. Mahendra P. Dhore, coordinated by Prof. Atul Bobdey, and convened by Dr. Pranita Gulhane, 14 groups of five students each participated. The winning group from UG Biotechnology, consisting of Leena Gholse, Mansi Binekar, Mansvi Borker, Yash Giri, and Durvesh Wankhede (B. Sc. Ist year), demonstrated remarkable creativity. The competition was judged by Dr. Seema Kadu and Dr. Rupali Bhagat Patil, and students were appreciated for their efforts with tokens of appreciation.

RAMAN SCIENCE VISIT- B.Sc. Biotechnology students, accompanied by their teachers, attended the "Vaccine Injecting Hope" exhibition at the Raman Science Centre and Planetarium in Nagpur on 4th Dec 2023. This exhibition was part of the "Science Expo and Innovation Festival" held by the Raman Science Centre and Planetarium from August 5, 2023, to December 31, 2023. In addition to

visiting the exhibition, students also enjoyed a Planetarium show, where they enthusiastically engaged with new scientific concepts. The visit proved beneficial for the students as it provided them with opportunities to explore innovative ideas in science.

NATIONAL SCIENCE DAY- On February 24th, 2024, the Department of Microbiology and Biotechnology at S.S.E.S.A's Science College, Nagpur, organized an Inter University Scientific model making competition called "Science for a Sustainable Future" in honor of Dr. Panjabrao alias Bhausaheb Deshmukh's 125th Birth Year Celebration, R.T.M. Nagpur University's Centenary Year Celebration, and National Science Day. The event, chaired by Hon'ble chairman Prof. Mahendra Dhore, Coordinator Prof. Atul Bobdey, and Convener-Dr. Pranita Gulhane. Chief Guest Dr. Shashikant Rokde graced the occasion and saw participation from 61 students in 32 groups from various colleges and universities. Judges Prof. Punita Tiwari and Dr. Reshal Deshmukh selected three winning groups, with the first prize going to Javed Nisar Sheikh and Aditya Balchanne from Sardar Patel Mahavidyalaya, Chandrapur, the second prize to Netra Raut and Darshika Nipane from Shivaji Science College, Nagpur, and the third prize to Arya Walode and Akansha Bisen from the same college. Additionally, two consolation prizes were awarded.

IMMUNOLOGY AND IMMUNODIAGNOSTICS WORKSHOP- On April 20th, 2024, Shivaji Science College, Congress Nagar Nagpur, collaborated with Himedia to host a one-day workshop on "Immunology and Immunodiagnostics," organized by the college's Department of Biotechnology. The event featured esteemed speakers such as Hon'ble Principal Prof. M.P. Dhore, Prof. A.D. Bobdey, and Dr. Pranita Gulhane. Dr. Sunil Kokane led the workshop, emphasizing its significance in advancing immunological research and facilitating transformative breakthroughs in disease treatment. With 75 enrolled students, the workshop attracted participation from faculty specializing in Biotechnology and Microbiology, enhancing their knowledge in biomedical research. Focusing on SDS-PAGE techniques, the workshop offered theoretical insights and practical training, fostering understanding and expertise in immunological research for innovative disease management and prevention.

POSTER COMPETITION ON IPR: On occasion of World Intellectual Property Day and as part of MoU in between Science College, Nagpur and Dhanwate National College, Nagpur, has organized Intercollegiate Poster Competition on "GEOGRAPHICAL INDICATIONS OF INDIA" on 26th April 2024. The programme was inaugurated by A.D. Bobdey sir Co-ordinator Department of Biotechnology, Dr. Rajesh Timane Head, Department of Management, DNC College, Convener Dr.

Pranita Gulhane & Dr. Priyanka Wandhe organizing secretary, Ms. Mayuri Bhad, Dr. Sapna Baghel & Ms. Payal Talekar were also present for the same. Hon'ble Principal Prof. Dhore sir & Dr. Omraj Deshmukh sir Principal, DNC Nagpur appreciated the successful conduction of programme. Vaishnavi Farkale from the Department of Management at DNC College secured the first prize, receiving 5000/-. The second prize was jointly awarded to Rakhi Chavhan (CZM) and Rakhi Ninawe (CMBT) from B.Sc. I for their poster on "Madhubani Art," earning 3000/-. Manisha Roy, an M.Sc. Microbiology student, clinched the third prize with her poster on "Toda Embroidery Tamil Nadu," winning 2000/-. Additionally, seven students were awarded consolation prizes for their participation, and all participants received E-certificates for their enthusiastic involvement. Cash Prizes and Trophies to winners and certificates of participation were distributed to 92 participants on 06th May 2024.



Students presenting Scientific model 24-02-2024



Winners of poster competition on IPR 06-05-2024



Pranita Gulhane
Dr. Pranita Gulhane
Dept. of Biotechnology
Science College, Nagpur-12.