

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

ANNUAL REPORT 2021-2022

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Microbiology department is one of the leading departments which provides best education in Microbiology and create innovator. Students are inspired and motivated to develop their interest in Microbiology subject and help them to built strong career. Qualified and dedicated teaching staff includes one regular faculty and five Ad-hoc and 3 C.H.B. lecturers. There are three supporting non teaching staff.

Students Strength: In U.G. and P.G. Microbiology department total students admitted were 441 and 49 respectively.

Result Analysis: Overall result of odd and even semesters for U.G. and P.G. department is above 95%.

Students Achievements: (Medals/Awards/Prizes at University level):

Sr.No.	Name of the Students	Class	Title
1	Ms. Bhoomika Mirashi	BSc II nd year (CMBT)	Won Consolation Prize in Self Designed Product Advertisement Competition organized by RTMNU on National Science Day -2022 conducted on 28 th February 2022
2	Mr. Himanshu Pachare	BSc Final year (CMBT)	Received Best Student Award from Microbiologists Society, India on 15 th August 2021
3	Ms. Rakhi	MSc Final year (CMBT)	Received Best Student Award from Microbiologists Society, India on 15 th August 2021

Students' Extension Activity:

Sr. No.	Name of the activity	Number of students Participated
1	Calendar making competition (19 th -30 th July 2021)	56 students participated
2	Calendar - 2022 making activity on "Biography of Dr. Panjabrao alias Bhausaheb Deshmukh" (27 th December 2021)	06 students participated

3	Volunteering in Vaccination Drive scheduled between 3 rd January 2022- 1 st February 2022	13 students participated
4	Visit to VNIT, Nagpur (28 th February 2022)	40 students visited
5	Microbiologists Society Student Unit formation (5 th April 2022)	213 student members enrolled
6	Agar art competition (5 th April 2022)	72 students participated
7	Scientific model competition (5 th April 2022)	41 students participated
8	National Webinar on “IP is all around you- An introduction to Intellectual Property Rights” (23 rd April 2022)	112 students participated

Merit Position of UG Students in RTMNU: Nil

Sr. No.	Name of the Students	Merit Position
1		

Merit Position of PG Students in RTMNU: 02 Merits
Summer 21 Exam Merit Students List

Sr. No.	Name of the Students	Merit Position
1	Ms. Supriya D. Nimkar	1 st Merit (CGPA 8.76)
2	Ms. Rakhi A. Khandelwal	2 nd (CGPA 8.64)

Students pursuing Higher course & Placements:

No. of students enrolling in higher Education	Name of Institution joined	Name of program admitted to
UG to PG (14)		
Ms. Osheen Khiyani	Hislop School of Biotechnology, Nagpur	MSc Biotechnology
Ms. Pranjalee Diwale	Hislop School of Biotechnology, Nagpur	MSc Biotechnology
Ms. Pranjali Joshi	Hislop School of Biotechnology, Nagpur	MSc Biotechnology
Ms. Tanuja Sable	Science College, Congress Nagar, Nagpur	MSc Microbiology

Ms Neha Mahant	Science College, Congress Nagar, Nagpur	MSc Microbiology
Mr. Sudhanhu Pandherey	Science College, Congress Nagar, Nagpur	MSc Microbiology
Ms. Sejal Nilatkar	Science College, Congress Nagar, Nagpur	MSc Microbiology
Mr. Vaibhav Jaronde	Science College, Congress Nagar, Nagpur	MSc Microbiology
Ms. Vaishnavi Wairagde	Science College, Congress Nagar, Nagpur	MSc Microbiology
Ms. Rutika Kowe	Science College, Congress Nagar, Nagpur	MSc Microbiology
Ms. Asmita Wagh	Science College, Congress Nagar, Nagpur	MSc Microbiology
Ms. Vaishnavi Nannaware	Science College, Congress Nagar, Nagpur	MSc Microbiology
Mr. Parth Hedau	IIT, Jodhpur	MSc Physics
Mr. Anuj Khapekar	VNIT, Nagpur	MSc Physics
PG to Research (01)		
Ms. Muskan Harde	Department of Microbiology, Sevadal Mahila Mahavidyalaya, Nagpur	Ph.D.
Placement		
On-Campus	Nil	
Off-Campus (08)		
Ms. Sayli Shetiye	Unijules Life Sciences Ltd., Hingna, Nagpur	Jr. Microbiologist-Quality control
Mr. Sangharsh Khonde	Virchow Biotech Private Ltd., Medchal-Malkajgiri, Telangana	Executive Trainee in Department of Manufacturing Plasma
Ms. Pooja Karemore	HiMedia Laboratories Pvt. Ltd., Nagpur	Junior Project Assistant
Ms. Sanskruti Kukade	HiMedia Laboratories Pvt. Ltd., Nagpur	Junior Project Assistant
Ms. Lavanya Shrivamwar	Haseeb Pharmaceuticals Pvt. Ltd., Nagpur	Assistant Chemist-Quality control
Ms. Sheetal Bante	Haseeb Pharmaceuticals Pvt. Ltd., Nagpur	Assistant Chemist-Quality control
Ms. Dhanshree Dhote	Coral Laboratories Ltd., Ghatkopar, Mumbai	Regulatory Affairs Executive
Ms. Mithila Jadhav	Vaunshdhara Fertility Centre, Nagpur	Junior Embryologist

Research publication: 03 Research papers published

Title of the Paper	Name of Author	Title of Journal	Year of Publication
Antibacterial Potential of <i>Ocimum sanctum</i> and <i>Bryophyllum pinnatum</i> against Wound Pathogens	Pranita Gulhane and Nishi Selote	International Journal of Pharmacy and Biological Sciences	2021
Evaluation of Herbal Mouthwash to Combat Oral Pathogens, International Journal of Novel Research and Development, 11(1):1096-1100	Pranita B. Gulhane	International Journal of Novel Research and Development	2022
Antimicrobial Potential of Garlic Extract- A New Approach to Combat Clinical Pathogens, 11(6): 1331-1336	Pranita B. Gulhane and Shital B. Bante	World Journal of Pharmacy and Biological Sciences	2022

Faculty participation in conferences/seminar/workshop and symposia:

Name of the Faculty	Title of Conference/ Seminar/ workshop Attended	Period	Level International/ National/State /University /College	Whether Presented papers	Whether abstract /paper published in Souvenir/Abstract Book
Pranita B. Gulhane	National level Webinar on “Women. Water and Development: Issues, Challenges and Opportunities”	14 th March 2022	National	Participation	-
Pranita B. Gulhane	National Workshop on “Reforms in National Assessment and Accreditation Process”	21 st March 2022	National	Participation	-

Pranita B. Gulhane	National Conference on “Innovative Technologies in Agriculture (NCITA-2022)	24 th & 25 th March 2022	National	Oral Presentation	Yes, Abstract published
Pranita B. Gulhane	International workshop on “Research Insights in Scientific Writing and Publication RISWP-2021”	17 th & 18 th December 2021	International	Participation	
Pranita B. Gulhane	National webinar on “Demystifying Vaccines: Prerequisite of the Era”	16 th March 2022	National	Participation	
Dr. Manpreet Kour	International workshop on “Research Insights in Scientific Writing and Publication RISWP-2021”	17 th & 18 th December 2021	International	Participation	
Ms. Madhuri Walvekar	International workshop on “Research Insights in Scientific Writing and Publication RISWP-2021”	17 th & 18 th December 2021	International	Participation	
Dr. Priya Fuke	International workshop on “Research Insights in Scientific Writing and Publication RISWP-2021”	17 th & 18 th December 2021	International	Participation	

Ms. Shivani Gohane	International workshop on “Research Insights in Scientific Writing and Publication RISWP-2021”	17 th & 18 th December 2021	International	Participation	
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Awards to Faculty members: 03 Awards

Name of Teacher	Title of the Award	Title of Agency/ Conference	National / International
Pranita B. Gulhane	Senior Scientist Award in Microbiology (16 th June 2021)	Microbiologists Society, India	National
Pranita B. Gulhane	Best Young Scientist Award (16 th August 2021)	International Journal for Modern Trends in Science and Technology (UGC Approved Journal), Andhra Pradesh	National
Pranita B. Gulhane	Best Paper Award (24 th & 25 th 2022)	National Conference organized by Priyadarshini Bhagwati College of Engineering, Nagpur	National

BEST PRACTICES OF THE DEPARTMENT:

Department always organizes various activities for the benefit of students. Under Microbiologists Society India, UG and PG Microbiology students are encouraged to participate in various academic and extra-curricular activities at college level activities well as those organized by MSI. 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 15/08/21 at the hands of Hon’ble Principal Prof. Mahendra Dhore sir. Award was given in collaboration with Microbiologists Society, India. One student each from U.G. Microbiology and P.G. Microbiology was felicitated including Mr. Himanshu Pachare and Ms. Rakhi Khandelwal respectively.

CALENDAR MAKING COMPETITION ORGANIZED

Calendar making competition on the theme “**Life Sciences including Microbiology & Biotechnology**” was organized by Department of Microbiology during 19th-30th July 2021 under the chairmanship of Hon’ble Principal- Prof. Mahendra Dhore and Convener- Dr. Pranita Gulhane. Cash Prizes and Trophies to the winners and certificates of participation to 56 participants were distributed at the hands of Hon’ble Principal sir on 15th August 2021.

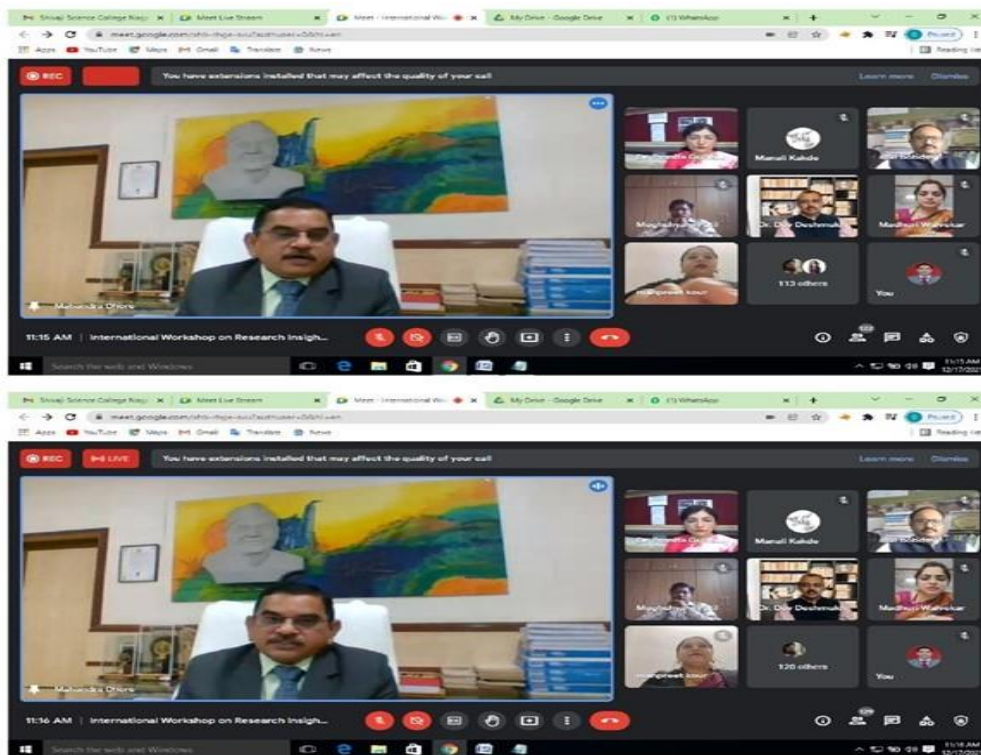
INTERNATIONAL WEBINAR ORGANIZED

On the occasion of International Microorganism Day, International Webinar on “**Career Opportunities of Life Sciences in India and Abroad**” was organized by Department of Microbiology on 17th September 2021 on Google Meet digital platform. Dr. Chandrakantha Mahendranathan, President, Sr. Lecturer, Faculty of Sciences and President, Sri Lanka Universities Sports Association, Eastern University of Sri Lanka was the Guest Speaker. Presidential address was given by Hon’ble Principal sir. The programme was anchored by Dr. Pranita Gulhane followed by ‘Vote of Thanks’ by Dr. Manpreet Kour.

INTERNATIONAL WORKSHOP RISWP-2021

International Workshop on “**Research Insights in Scientific Writing and Publication RISWP-2021**” organized by Dept. of Microbiology and Biotechnology in association with Internal Quality Assurance Cell, Science College, Nagpur dated 17th & 18th December 2021 by online mode under the chairmanship of Hon’ble Principal, Prof. Mahendra Dhore, Convener- Prof. Bobdey and Organizing Secretary- Dr. Pranita Gulhane.

Two days International workshop was inaugurated by Chairman of the workshop-Hon’ble Principal, Prof. Mahendra Dhore. Introductory remarks was given by Prof. Bobdey, Dr. Pranita Gulhane has anchored the programme. Total 516 participants including academicians, researchers and Post Graduate students all over India have attended. Dr. Meghshyam Patil from Osmanabad, Dr. Devendra Deshmukh, from Badnapur, Dr. Abdullah Mohammad Shohael, Dhaka, Bangladesh and Dr. B. Harinathan, Virudhunagar (Tamilnadu) had delivered their precious talk. Concluding remarks was given by Prof. Avachar sir and Vote of thanks was given by Organizing Secretary- Dr. Pranita Gulhane.



International Workshop on “**Research Insights in Scientific Writing and Publication RISWP-2021**”

NATIONAL VACCINATION DAY

On the occasion of National Vaccination Day, National Webinar on “**Demystifying Vaccines: Prerequisite of the Era**” was organized by Department of Microbiology on 16th March 2022 on Virtual platform. Dr. Sandeep Golegaonkar, Senior Manager, Gennova Biopharmaceuticals Ltd., Pune was the Guest Speaker. Welcome speech was given by Dr. Pranita Gulhane. Concluding remarks was given by Prof. Bobdey. The programme was anchored by Ms. Hynal followed by ‘Vote of Thanks’ given by Ms. Bhad.

MICROMANIA- 2022

Department of Microbiology organizes Micromania-2022 dated 5th April 2022 in gracious presence of Programme President- Hon’ble Principal, Prof. Mahendra P. Dhore sir, Hon’ble Vice Principal- Prof. G.R. Avachar sir, Coordinator- Prof. Bobdey, Dr. Pranita Gulhane, Programme Conveners- Ms. Deepthi Hynal and Mrs. Deshmukh.

Felicitation of RTMNU Merit students: The programme includes Felicitation of RTM Nagpur University Merit Students of M.Sc. Microbiology – Summer 2020 and Summer 2021 batches. Summer 2020 RTMNU Merit students were Ms. Sanscruti Kukade & Ms. Muskan Harde (2nd Merit each), Lavanya Shriramwar (3rd Merit) and Shital Bante (4th Merit). Summer 2021 RTMNU Merit students were Ms. Supriya Nimkar (1st Merit) and Ms. Rakhi Khandelwal (2nd Merit). These merit students were felicitated at the hands of Hon’ble Principal Prof. Mahendra Dhore sir.

Micromania Competitions: Two competitions were organized on this occasion which includes ‘Agar art Competition’ and ‘Scientific model competition’ in which 72 students and 41 students have participated respectively. Prof. Tiwari madam and Prof. Ghonmode madam judged the competitions. **Agar Art Competition Winners were-** First Position: Ms. Harshita Rohra (BSc IInd Year CMBT), Second Position: Ms. Pranali Mendhe (MSc IInd Year) and Third Position: Ms. Mohit Khade (BSc IInd Year CBM).

Scientific Model Competition Winners were- First Position: Ms. Vaishnavi Shimpi & Ms. Sayoli Dharamshahare (BSc IInd Year CMBT), Second Position: Ms. Neha Mahant & Ms. Aishwarya Mohatkar (MSc Ist Year) and Third Position: Ms. Akshara Irkulwar & Ms. Deepti Charde (MSc Ist Year).

Certificate/ Prize Distribution:

Microbiologists Society, India- MSI students unit of more than 200 students was installed and the Certificates of MSI office bearers and executive members were distributed at the hands of Chief Patron Hon'ble Principal Prof. Dhore sir, Patron Prof. Bobdey and Convener Dr. Pranita Gulhane

Calendar Making Activity- Microbiology students have prepared Calendar-2022 on the Biography of Dr. Panjabrao alias Bhausaheb Deshmukh. Certificates of appreciation and the calendar were given to the teachers and students for their enormous efforts. Teachers- Dr. Pranita Gulhane, Dr. Manpreet Kour & Madhuri Walvekar as well as students Ms. Kanchan Selukar, Ms. Mnali Kakde & Mr. Sanghrash Khonde (MSc IInd Year) and Ms. Sharvari Kshirsagar, Ms. Sharwari Halmare and Mr. Sarvesh Bagde (BSc IIIrd Year CMBT) were felicitated.



Prize Distribution for Calender Making Activity

Vaccination Drive- For the age group of 15 to 18+, Science College, Congress Nagar, Nagpur in association with Nagpur Municipal Corporation conducted Vaccination Drive for first and second dose of Covaxin scheduled on 3rd January 2022 and 1st February 2022 onwards respectively. Students

of Microbiology Department voluntarily helped for successful coordination of students and parents for preparing their mindset to get immunized. For their volunteering in this noble cause, they have been felicitated by giving certificate of appreciation.

National Science Day- On occasion of National Science Day, Internal Quality Assurance Cell and Innovation, Incubation and Linkages, R.T.M. Nagpur University, Nagpur organized Start-up idea presentation competition in which Bhumika Mirashi (BSc IInd Year) has received Consolation Prize which includes Winner's Certificate and Cash Prize of Rs. 1000/- in category of Self-Designed Product Advertisement Competition among 80 participants. Her topic was "Handmade Organic Soap".

Best Volunteer Award- For active participation and help during various activities organized by Microbiology department students are always appreciated for their efforts. As a part of recognition for this, Best Volunteer Award was given to Mr. Ronit Banerjee (BSc. IInd Year) at the hands of Hon'ble Principal Prof. Mahendra Dhore sir.



Dr. Pranita Gulhane

HEAD
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