

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

ANNUAL REPORT 2020-2021

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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 C.H.B. teachers. There are three supporting non teaching staff.

Students Strength: In U.G. and P.G. Microbiology department total students admitted were 193 and 46 respectively.

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

Students Achievements:

- Vishal Kharchwal (BSc Final year): Rashtriya Samaj Seva Ratna Award-2021 given by The Global Human Rights Foundation, National Prestigious Award, Delhi & Best Student Award for session 2020-2021 given by Microbiologists Society, India.
- Vaishnavi Ghugal (BSc Final year): Second rank in Digital Poster making competition organized by Drafting Committee, National Education Policy 2020.
- Rashmi Chopkar (BSc Final year): Grabbed the position in top six of the quiz conducted in the National Webinar on Plant Tissue Culture: 'Techniques & Applications' held on 15th May 2021.
- Rakhi Khandelwal (MSc Final year): Best Student Award for session 2020-2021 given by Microbiologists Society, India.

Merit Position of PG Students in RTMNU:

Sr.No.	Name of the Students	Class	Title
1	Sanskruiti S. Kukade	M.Sc. Final Year (2019-2020)	RTMNU 2 nd Merit position with 8.64 CGPA
2	Muskan C. Harde	M.Sc. Final Year (2019-2020)	RTMNU 2 nd Merit position with 8.64 CGPA
3	Lavanya N.	M.Sc. Final Year	RTMNU 2 nd Merit position with 8.64 CGPA

	Shriramwar	(2019-2020)	
4	Shital B. Bante	M.Sc. Final Year (2019-2020)	RTMNU 2 nd Merit position with 8.64 CGPA

Students' publication in extracurricular activity:

Title of the Paper	Name of Author	Title of journal	Year of publication
Biofilms	Achala Waghmare MSc Final Year (2019-2021)	Compendium of "Research Insights of Life Science Students", (ISBN: 978-81-946500-0-3), Sector-Microbiology, Volume 1, Chapter 126 (Page no. 278-279)	Year 2020
Camphor	Ankita Manapure MSc Final Year (2019-2021)	Compendium of "Research Insights of Life Science Students", (ISBN: 978-81-946500-0-3), Sector-Microbiology, Volume 1, Chapter 113 (Page no. 249-250)	Year 2020
Biofuel from Algae: An Alternative Fuel	Rakhi Khandelwal MSc Final Year (2019-2021)	Compendium of "Research Insights of Life Science Students", (ISBN: 978-81-947154-5-0), Sector- Microbiology, Volume-2, Chapter 113 (Page No.18-20)	Year 2020
Bioweapons: An Emerging Threat	Rakhi Khandelwal MSc Final Year (2019-2021)	Compendium of "Research Insights of Life Science Students", (ISBN: 978-81-947154-5-0), Sector- Microbiology, Volume-2, Chapter 113 (Page No.21-23)	Year 2020
Production of alpha amylase by different kind of organisms	Komal Dhoble MSc Final Year (2019-2021)	Compendium of "Research Insights of Life Science Students", (ISBN: 978-81-947154-5-0), Sector- Microbiology, Volume-2, Chapter 113 (Page No. 36-38)	Year 2020

Students' Extension Activity:

Sr. No.	Name of Student	Participation
1	Sarvesh Bagde	First Winner in Jingle Competition on the topic "Social Distancing norms (rules) to be followed to stop Corona virus from spreading" organized by Department of Microbiology, S.S.E.S.A's Science College, Nagpur on 27 th December 2020.
2	Rakhi Khandelwal	Second Winner in Jingle Competition on the topic "Social Distancing norms (rules) to be followed to stop Corona virus from spreading"

		organized by Department of Microbiology, S.S.E.S.A's Science College, Nagpur on 27 th December 2020.
3	Komal Dhoble	Third Winner Jingle Competition on the topic "Social Distancing norms (rules) to be followed to stop Corona virus from spreading" organized by Department of Microbiology, S.S.E.S.A's Science College, Nagpur on 27 th December 2020.

Students pursuing higher course:

Fourteen 14 (whose confirmed data is received) (there might be more students but we could not communicate with all pass out students). Under graduate students of our department pursuing higher education.

Sr. No.	Name of the Student	Name of the P.G. Course being Admitted	Name of the College/Institute
1	Ms. Suvarna D. Tekade	M.Sc. Microbiology	P.G. Department of Microbiology, Science College, Congress Nagar, Nagpur
2	Mr. Kartikey P. Matte	M.Sc. Microbiology	P.G.T.D. of Microbiology, L.I.T. Campus, R.T.M.N.U., Nagpur
3	Ms. Dhanashree S. Morghade	M.Sc. Chemistry	P.G. Department of Chemistry, Amolakchand Mahavidyalaya, Yavatmal
4	Ms. Rutuja S. Potkar	M.Sc. Chemistry	P.G. Department of Chemistry, Science College, Congress Nagar, Nagpur
5	Ms. Prajakta C. Feddewar	M.Sc. Chemistry	P.G. Department of Chemistry, Science College, Congress Nagar, Nagpur
6	Ms. Khushboo I. Sheikh	M.Sc. Zoology	P.G. Department of Zoology, Science College, Congress Nagar, Nagpur
7	Ms. Ritika P. Patel	M.Sc. Microbiology	P.G. Department of Microbiology, Taywade College, Mahadula, Koradi
8	Ms. Khushi R. Gandhi	M.Sc. Microbiology	P.G.T.D. of Microbiology, L.I.T. Campus, R.T.M.N.U., Nagpur
9	Ms. Shreyasi S. Challawar	M.Sc. Microbiology	P.G.T.D. of Microbiology, L.I.T. Campus, R.T.M.N.U., Nagpur
10	Ms. Kanchan D. Selukar	M.Sc. Microbiology	P.G. Department of Microbiology, Science College, Congress Nagar, Nagpur
11	Ms. Shibani A. Sahare	M.Sc. Microbiology	P.G. Department of Microbiology, Science College, Congress Nagar, Nagpur
12	Ms. Vaishnavi R. Mewade	M.Sc. Microbiology	P.G. Department of Microbiology, Science College, Congress Nagar, Nagpur
13	Ms. Shruti R. Nikose	M.Sc. Microbiology	P.G. Department of Microbiology, Science College, Congress Nagar, Nagpur
14	Ms. Nidhi R. Gour	M.Sc. Microbiology	P.G. Department of Microbiology, Science College, Congress Nagar, Nagpur

Students' Learning course through-on-line:

Sr. No.	Name of Student	Participation
1	Ankita Manapure (MSc Final Year)	Four week International Online Certificate Course on "Basic Techniques in Microbiology" organized by Department of Microbiology, Sacred Heart College, Tirupattur, Tamil Nadu, India in association with Microbiologists Society, India and Western Rio Janerio State University, Brazil from 13/07/2020-13/08/2020.
2	Saloni Komawar (MSc Final Year)	Four week International Online Certificate Course on "Basic Techniques in Microbiology" organized by Department of Microbiology, Sacred Heart College, Tirupattur, Tamil Nadu, India in association with Microbiologists Society, India and Western Rio Janerio State University, Brazil from 13/07/2020-13/08/2020.

Students Placement during 2020-2021:

Mr. Yogesh D. Ninawe- QC Chemist at Hindustan Foods Limited, Piparia Industrial Estate, Silvassa, Dadra and Nagar Haveli
Ms. Diksha N. Bhanuse- Laboratory Technician at Nagpur Molecular Diagnostics and Research Laboratory, Ramdas Peth, Nagpur
Ms. Pooja D Karemore- Jr. Chemist at Unijules Life Sciences Limited, Hingna, Nagpur

Research publication:

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	<u>Pranita Gulhane</u> and Nishi Selote	International Journal of Pharmacy and Biological Sciences	2021

Faculty participation in conferences/seminar/workshop and symposia:

Name of the Faculty	Title of Conference/ Seminar/ workshop Attended	Period
Dr. Pranita Gulhane	Comprehensive e-Learning to e-Training guide for Administrative Work	25May-05June 2020
	Evolution from Offline to Online Teaching	30May-03June 2020
	Medical Bacteriology	01June-30June 2020
	G Suite & Allied Tools in Education, Teaching & E-content Development	29June-04July 2020
	E-Content Development and Delivery, Research Methodology and Autonomy	27July-01August 2020
Dr. Manpreet Kour	Open Source tools for Research	08 June-14 June 2020
	Medical Bacteriology	01June-30June 2020
Ms. Madhuri Walvekar	Evolution from Offline to Online Teaching	30May-03June 2020
	Open Source tools for Research	08June -14 June 2020
	Medical Bacteriology	01June-30June 2020
	Managing online classes and co-creating MOOCS	20April-06May 2020
	Comprehensive e-Learning to e-Training guide for Administrative Work	25May-05June 2020

Best Practices and Activities conducted in 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-

JINGLE COMPETITION ORGANIZED: On the occasion of Birth Anniversary of Founder President Late Dr. Panjabrao Deshmukh, Jingle competition on the topic “**Social Distancing norms (rules) to be followed to stop Corona virus from spreading**” was organized by Department of

Microbiology, S.S.E.S.A's Science College, Nagpur on 27th December 2020. Jingle competition was conducted under the chairmanship of Prof. Mahendra P. Dhore, Principal, Science College, Nagpur, Convener- Mrs. M.J. Madhugiri, Organizing Secretary- Dr. Pranita B. Gulhane and Organizing committee members- all Heads of the Departments. A total of 33 students from of the college have participated the same. Prizes to the winners and certificates of participation to all the participants were distributed at the hands of Chief Guest, Dr. S.D. Patankar and Principal Dr. M.P. Dhore sir. Presidential address was given by Dr. M.P. Dhore, Principal, S.S.E.S.A's Science College, Nagpur. The programme was anchored by Dr. Manpreet Kour and 'Vote of Thanks' was given by Dr. Pranita Gulhane.

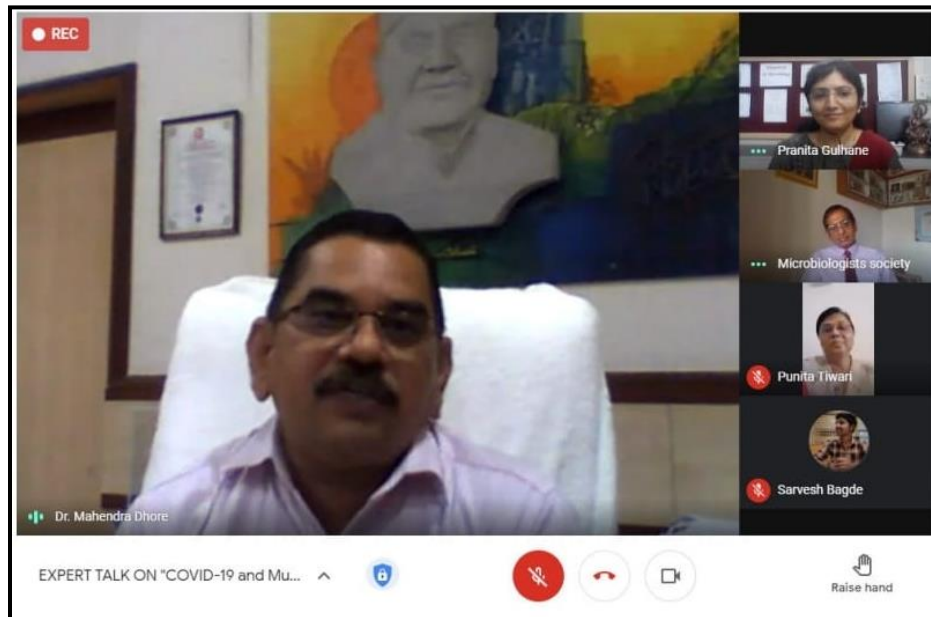


Jingle Competition Winners 27/12/2020

EXPERT TALK ORGANIZED: For creating awareness about corona virus and black fungus infection, an Expert Talk on “**COVID-19 and Mucormycosis: Myths & Facts**” was organized by Department of Microbiology and Biotechnology, S.S.E.S.A's Science College, Nagpur on 31st May 2021 on Google Meet digital platform. Dr. Arvind M. Deshmukh, President, Microbiologists Society, India was the Guest Speaker. Students, teaching and non-teaching staff of the college have attended the same. Presidential address was given by Prof. Mahendra P. Dhore, Principal, S.S.E.S.A's Science College, Nagpur. The programme was anchored by Dr. Pranita Gulhane followed by 'Vote of Thanks' given by Mrs. Madhuri Walvekar.



Guest Speaker Dr. A.M. Deshmukh in Expert Talk on 31/05/21



Principal- Prof. Mahendra Dhore in Expert Talk on 31/05/21



Pranita Gulhane

Dr. Pranita Gulhane

HEAD
Department of Microbiology
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NAGPUR.