

Shri RLT College of Science, Akola
UG and PG Department of Microbiology
Departmental Report (2021-22)

The Microbiology department offers education at undergraduate, postgraduate and research level. The department has three laboratories namely UG, PG and Research laboratory. The sessions W-21 and S-22 were conducted in online and offline mode, respectively. This year, the total students in PG department were 55. The total students in Undergraduate course were 424. The total student intake capacity of the research laboratory has been increased from 4 to 8 this year.

Dr. V. D. Nanoty (Principal, Shri. R. L. T. College of Science) is Ph.D. supervisor in field of Microbiology. Currently, four students are pursuing Ph.D under his guidance. On 1st May, 2021, he was bestowed with “Best Principal award-Seva gaurav puraskar” by SGBAU, Amravati. He also edited a practical handbook (Immunology and Medical Microbiology) for M. Sc. II Semester VI as per the syllabus of SGBAU, Amravati that was published this year. He actively expressed his opinion and gave feedback in the meeting of board of studies of biochemistry including microbiology and food science under AURA-2022 for revamping of the curriculum as per CBCS in SGB Amravati University, Amravati.

Dr. H. S. Malpani successfully completed online Level 1 training and 2-week in-person residential Level 2 Faculty training programme of MSDEED organized by MSFDA and IISER, Pune, and is recognized as master trainer for Effective Science teaching and inquiry-based pedagogical tools. He also procured best oral presentation award (3rd prize) at National conference organized by Sindhu Mahavidhyalay at RTM University, Nagpur. He edited the practical handbook (Soil Microbiology) for M. Sc. I Semester I as per the syllabus of SGBAU, Amravati.

Ms. S. N. Gawande successfully completed 15 days online refresher course conducted by Goa University. She also authored the practical handbook (Analytical biochemistry and instrumentation) for M. Sc. I Semester I as per the syllabus of SGBAU, Amravati.

A postgraduate student of our department, Rajeshwari Vijay Chavan secured 9.43 CGPA in session S-21. She grabbed 5th rank in the merit list of SGB Amravati University in Masters of Science (Microbiology).

On 30th August 2021, the Department of Microbiology, Alumni Association, and IQAC of Shri R. L. T. College of Science, Akola, in Collaboration with the IPR Cell SGB Amravati University, Amravati, organized a National Online Workshop on Intellectual Property Rights & Patent Filing. On this occasion, Honorable Adv. M. G. Mohta, President of B.G.E. Society, Shri. P. N. Maheshwari, Hon. Secretary, and all executive members wished their best for the success of the event. Dr. Aniket Gade, Assistant Professor of Department of Biotechnology (SGB Amravati University, Amravati), gave an invited talk about various intellectual property rights, patent filing, and patent-related information. Around 230 participants registered for the event.

In collaboration with Dr. Hedgewar Hospital and Research Centre (Akola), Department conducted a training /internship course for the Postgraduate students. It is a skill oriented programme in which students learn advance microbiology and clinical pathology skills. This year Postgraduate students of Microbiology department were sent to the Dr. Hedgewar Hospital and Research Centre (Akola) in batches every month. The students also submitted the project work at the end of the training and successfully completed the course.

On the occasion of National Science Day (28th February, 2022), the Department of Microbiology organized an Inter-collegiate Oral and Poster Competition for P. G. Students. The theme for the event was "Contribution of Indian Scientists in World Science". The president for the programme was Dr. V. D. Nanoty, Principal Shri. R. L. T. College of Science, Akola. Around 20 students from P. G. Department of Shri. Shivaji College of Arts, Commerce and Science, Akola, Shankarlal Khandelwal College, Akola, and Shri R. L. T. College of Science, Akola, participated in the event, of which some delivered oral presentations and few presented posters. This event was successfully accomplished by Ms. M. M. Deshmukh, Ms. A. S. Waghmare, Mr. S. A. Toshniwal, Ms. M.R. Kashid and all teaching and non-teaching staff of department of microbiology.

On 21st March 2022, Department of Microbiology organized Blood Grouping Camp at the adopted village Apatapa during NSS Camp of our college. Near about 50 villagers voluntarily participated in blood grouping. On 24th December 2021, in the memory of Late Principal M. G. Joshi, Blood grouping camp was organized by Department of Microbiology in collaboration with "MICRANS" under the Guidance of Dr. V. D. Nanoty (Principal, Principal Shri R. L. T. College of Science Akola), Dr. H. S. Malpani (Asstt. Prof. & Head Department of Microbiology), Ms. S. N. Gawande (Asstt. Prof. Department of Microbiology). The teaching and non-teaching staffs were involved in the camp and the event was successfully conducted. Blood grouping of more than 100 participants was done by microbiology students under the guidance of expert team.

The Department runs career-oriented courses like CCLT and DCLT every year. This year, total 128 students successfully completed this course. Department runs a student activity unit named "MICRANS". It conducts various programmes for skill development and welfare of students.

On 22nd April, 2022, the Department has organized an event "World Earth Day". The event was jointly conducted with Department Biochemistry, Botany & Zoology in collaboration with IQAC of Shri. R. L. T College of Science, Akola. The event was conducted in the Department of Microbiology. The event was chaired by Dr. V. D. Nanoty (Principal, Shri. R. L. T. College of Science, Akola) and Dr. R. L. Rahatgaonkar (IQAC Co-ordinator). Dr. S. N. Nagrale (Head, Department of Zoology), Smt. V. N. Badgajar (Head, Department of Botany), and Dr. H. S. Malpani (Head, Department of Microbiology & Biochemistry), and Dr. A. S. Sawarkar (Department of Zoology) Ms. S. N. Gawande shared their views and concerns about Earth during the event. The PG students talked about the problems that we are creating on Earth and the solutions that we can opt for. Poster presentation and Elocution competitions were held for PG students. All the teaching staff of the departments of Biochemistry, Botany, Microbiology, & Zoology was present at the event.

The department have organized a one week certificate course on "skill development for pharmaceutical industry". The workshop was inaugurated on 9th May

2022. It was jointly organized by the Microbiology Department of Shri R. L. T. College of Science, Akola; Shankarlal Khandelwal College, Akola, Global Institute for Self-Motivation and their management organization. The duration was from 9th May to 15th May 2022, the workshop was conducted in offline and online manner respectively. Around 143 students from four different colleges participated in the event. Dr. Anil Fokmare (Director of Global Institute for Self-Motivation) was the resource person. The inauguration event was conducted in the presence of Adv. M. G. Mohta (President, The B. G. E. Society, Akola), Shri P. N. Maheshwari (Hon. Secretary). Dr. V. D. Nanoty and Dr. J. M. Saboo were also present in the event. The event was successfully organized by Prof. Dr. A. R. Deshpande (Head, Department of Microbiology of Shankarlal Khandelwal College, Akola), Prof. Dr. D. D. Bhokare (Asstt. Prof. Shankarlal Khandelwal College, Akola), Dr. H. S. Malpani (Head, Department of Microbiology of Shri R. L. T. College of Science, Akola) and Ms. S. N. Gawande (Department of Microbiology of Shri R. L. T. College of Science, Akola).

This year, Kanchan M. Mangatani has been registered for Ph.D. degree under supervision of Dr. V.D. Nanoty, and Kushal Senad, Kanchan Paraskar, and Leena Dange have been admitted for pre-PhD course work. All faculty members attended several virtual events and conferences and also published research papers at National and International reputed journals.

From the academic session 2022-23, SGB Amravati University, Amravati has introduced a choice based credit system for UG and PG courses. To ensure thorough understanding and discuss the syllabus according to CBCS, a meeting was organized at Department of microbiology, Shri. R.L.T College of Science, Akola for subjects biochemistry and microbiology of Akola region. Dr. V.D. Nanoty (Principal, Shri. R.L.T College of Science, Akola) was the chairperson for the event. Dr. A. R. Deshpande (HoD) and Prof. D.D. Bhokare from Department of Microbiology, Khandelwal College, Akola, Dr. S.N. Zodpe (HoD, Department of Microbiology, Shri. Shivaji College of Science, Akola), Mr. S.D Patil (HoD), Dr. A.A. Balode, Mr. S.S. Bhutekar, and Mr. R.L. Dabhade from Department of Biochemistry, Shri. Shivaji College of Science, Akola, and Dr. H.S. Malpani (HoD) and Ms. S.N. Gawande from Shri. R.L.T College of Science, Akola were present in the meeting.

Dr. Harish S. Malpani
Asst. Professor & Head
Department of Microbiology



Photo: - National Science Day celebrated by Department



Photo: - CCLT, DCLT Practical Examination conducted by Department



Photo: - World Earth Day celebration at Department



Photo: - Blood Grouping



Photo: - Project submission at Dr. Hedgewar Hospital and research Centre (Akola)



Photo: Inauguration of poster competition on World Earth Day



Photo: Dr. V.D. Nanoty addressing the participants at skill development workshop



Photo: Participants, Staff, and Resource person of Skill Development workshop



Photo: Blood grouping camp held at adopted village "Apatapa"

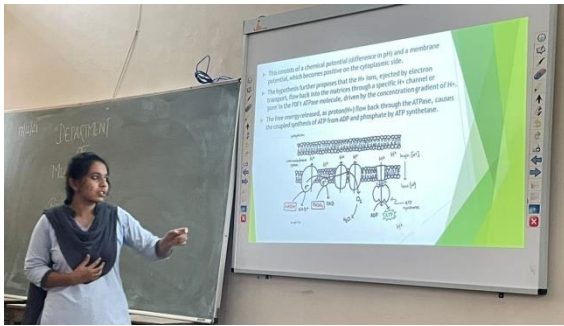


Photo: P.G student delivering seminar as a part of curriculum



Photo: Best student award (MSI) bestowed on Ms. Prajakta Kulkarni



Photo: Dr. H.S. Malpani receiving award for Best oral presentation



Photo: Dr. V.D. Nanoty expressing informed opinion and feedback at AURA-22