

SHRI R. L. T. COLLEGE OF SCIENCE, AKOLA

UG, PG & Research Department of Microbiology

Department Report (2018-2019)

Department of Microbiology, Shri R. L. T. College of Science, Akola delivers excellent education through dedicated collaborated efforts towards achieving recognition and honor at varied levels. We strive for providing advanced academic environment, innovative techniques and creating value based globally competitive expertise through well directed honest efforts.

As every year, this year too there has been enormous strength of students willing to be admitted to department. The department has strength of 365 students at UG level, 45 students at PG level. As a part of curriculum all theory and practical classes were started in mid of July 2018. The Department also runs the Career Oriented Program (CCLT, DCLT & ADCLT) to which total 142 students are admitted this year.

The department inspires the students for hard work and sincerity by all possible means. The students are encouraged for good work in different fields and duly awarded for their bright accomplishment. The brilliant results and splendid achievements of every year signify the ultimate goal of the department towards the world of education and society.

List of Faculty members of Microbiology Department (2018-19)

Name of Faculty	Designation	Year of Service
Dr. V. D. Nanoty	Principal	35 years
Dr. U. K. Bhalekar	Associate Professor & Head	36 years
Dr. H. S. Malpani	Assistant professor	2 years
Ms. S. N. Gawande	Assistant professor	2 years

The department creates the right environment to nurture their exceptional talents.

- Dr. V. D. Nanoty (Principal, Shri. R. L. T. College of Science) is Ph.D. supervisor in field of Microbiology and Biochemistry.
- Dr. V. D. Nanoty was work as Resource person and delivered invited talk in One Day National Conference in New Methodology of NAAC assessment to nurture Quality enhancement in higher educational institution at Smt. LRT College of Commerce, Akola on date 29th Sep 2018.
- Dr. V.D. Nanoty was work as Resource person and delivered invited talk in Prerna, State level Leadership Development program SGB Amravati University, Amravati on date 23-27 Sep. 2019.
- Dr. V. D. Nanoty was work as Resource person in State Level seminar on Frontiers in Microbiology and Annual Microbiology's Meet 2018 at HPT Arts and RYK Science College, Nashik. On date 20-21 Oct. 2018.
- Dr. V.D. Nanoty presented a paper in National conference on Recent trends in Life Sciences for Sustainable development at SGB Amravati University, Amravati on date 22-23 Jan 2019.
- Dr. Umesh Bhalekar presented a paper in National symposium on Bio waste as Bio resource at Shankarlal khandelwal college, Akola held on 23 rd Feb. 2019.
- Dr. Umesh Bhalekar presented a paper in National conference on Recent trends in Life Sciences for Sustainable development at SGB Amravati University, Amravati on date 22-23 Jan 2019.
- Dr. Umesh K. Bhalekar (Head, Department of Microbiology) is recognized Ph.D. Guide for the research field of Microbiology and Biochemistry.
- The faculty & researchers of the department are actively involved in Paper publications and Paper presentations and keeps on attending various National and International conferences.
- Dr. Harish Malpani actively participated in One Day National Conference on New Methodology of NAAC assessment to Nurture Quality enhancement in Higher educational Institution held at Smt. LRT College of Commerce, Akola on 29 Sept.2018

- Dr. Harish Malpani attends a webinar on Trends in Genetic modification organized by Badrinarayan Barwale Mahavidyalaya on 9th Feb 2019.
- Dr. Harish Malpani actively participated in One day state level symposium on Research supervisor under new guideline: duties & Role held at Govt. Vidarbha Institute of Science and humanities. Amravati on 5th April 2019.
- Dr. Harish Malpani attended One day National workshop Level seminar cum Workshop on Soap and Perfume making organized by department of chemistry, Shri. R. L. T. College of science, Akola on date 9th Sep 2018.
- Dr. Harish Malpani presented paper in 106th Indian Science Congress at Lovely Professional University, Phagwara, Punjab on date 3-7 January 2019.
- Dr. Harish Malpani presented paper in National symposium on Bio waste as Bio resource at Shankarlal khandelwal college, Akola held on 23rd Feb. 2019.
- Dr. Harish Malpani published a paper entitled with a study of solid waste management in Infoscience Vol.1 Issue 1.
- Dr. Harish Malpani published a paper entitled with Microbiological study of waste disposal and its efficient management Sp Issue 110(E) Feb 2019.
- Dr. Harish Malpani work as organizing secretary for State level seminar and Teachers Workshop on teaching constraints in microbiology and allied sciences held at 28th Feb 2019 at Shri. R. L. T. College of Science, Akola.
- Dr. Harish Malpani successfully completed induction program (University and P.G. College M.Sc. Teachers Training Program in Biology/ Life Science Equivalent to Refresher Course) held at Centre of Excellence in science and Mathematics education. **Indian Institute of Sciences**, Challakere Campus at Kudapura Chitradurga (Karnataka) with “A” grade on date 7-27th June 2019.
- Ms. Sonali Gawande attended International conference on Microbiome Research NCCS, Pune on date 19-22 Nov.2018.
- Ms. Sonali Gawande attended One day National workshop Level seminar cum Workshop on Soap and Perfume making organized by department of chemistry, Shri. R. L. T. College of science, Akola on date 9th Sep 2018.

- Ms. Sonali Gawande presented a paper in National conference on Recent trends in Life Sciences for Sustainable development at SGB Amravati University, Amravati on date 22-23 Jan 2019.
- Ms. Sonali Gawande presented a paper in National symposium on Bio waste as Bio resource at Shankarlal khandelwal college, Akola held on 23 rd Feb. 2019.
- Ms. Sonali Gawande published a paper in InfoScience entitled with Effect of spraying fermented extract *Amaranthus spinosus* on Green gram, Vol. 1 Issue 1.
- Ms. Sonali Gawande published a paper in Journal of Plant disease Science entitled with Phytochemical and Antibacterial properties of Ethanolic extract of *Syzigium cumini* seed on pathogenic bacteria. Vol.13 (1):56-61, 2018.
- Three Post Graduation students Ms. Mrunali Kashid secured 1st merit position, Ms. Shruti Joshi and Ms. Shubhangi Laghe secured 4th and 5th position in M.Sc. Microbiology examination of Sant Gadge Baba Amravati University Examination.
- Our Four P.G. student Ms. Kanchan Mangatni, Ms. Shrutika Chandak, Ms. Krashna Laddha and Ms. Roshani Kadam were qualified level and selected for University level Avishkar 2018 at SGBAU Amravati.
- Ms. Sonali Bawane and Ms. Ankita Lokhande under the guidance of Dr. H.S. Malpani successfully submitted 16s rRNA sequences of two novel bacteria at National Centre for Biotechnology Information (NCBI) USA.
- Ms. Kanchan Mangtani selected and participated in state level Avishkar Festival held at Gondwana University, Gadchiroli.
- Ms. Kancham Mangatani was awarded with Best student (P.G.) of Microbiology by Microbiologist Society of India on date 9th April 2019.
- Ms. Apurva Shah was awarded with Best student (U.G.) of Microbiology by Microbiologist Society of India.
- Dr. Purnima Chitlange awarded with Ph.D.degree under the guidance of Dr. V.D. Nanoty.

- Students of the department enthusiastically participate in extra-curricular activities like Seminars, Education tours, etc. An educational tour was schematized by the department to Mahan Water Purification Plant. Total 100 students of B. Sc. III joined for the educational tour on 11 October 2018.
- Educational Tour of M.Sc. I and M.Sc. II students was organized on date 10/08/2018 to Lonar crater, a notified National Geo heritage Monument saline soda lake located at Lonar in Buldhana district of Maharashtra. Total 40 students were present for tour.
- Department of Microbiology in association with Microbiology Society India and Badrinarayan Barwale College, Jalna. Organized Webinar on current subjects in Microbiology on date 9th Feb 2019.
- Discharging the Nobel a responsibility towards the society, the department actively participates and conducts the Blood donation and Blood grouping camp. The department aided and sponsored the blood grouping of around 121 students on 24th Dec.2018 in the memory of Late M.G. Joshi sir.
- As well as on date 06/01/2019, the B.G.E. Society & Department of Microbiology organized a diabetic camp for the welfare of society. Blood glucose was tested by using Digital Glucometer. Total 135 Beneficiary visited & checked Blood glucose level under the supervision of Dr. Nanasaheb Chaudhary (Life Member B.G.E.Society,Akola).
- The students are encouraged for good work in different field and duly awarded for their bright accomplished every year Republic Day.
- All students of U.G. and P.G., participated in an event on Career Counseling organized by career counseling cell of this college.
- Microbiology students activity unit MICRANS were inaugurated by Dr. A.B. Ingle S.K. Porwal College, Kampti on date 29th Aug 2018.
- Dr. R. M. Agrawal (ICON Hospital, Akola) and Dr. A.M. Deshmukh (President, Microbiologist Society, India) delivered guest lecture on date 4 Feb.2019.
- Dr. Avinash Saoji delivered lecture on Cancer Awareness, more than 300 students were present for this event on date 8th Feb 2019.

- Department always strives for betterment of students. Department has collaborated with Microbiologist society India and has founded MICRANS unit of RLT Microbiology, this year too. For the welfare of society, the MICRANS unit has organized the blood grouping and Diabetic camp.
- Department of Microbiology in collaboration with MICRANS unit & IQAC of R.L.T. College of Science organized the National Science Day. On this occasion, a state level seminar on “My Health My Responsibilities” and teacher’s workshop on “Teaching Constrains in Microbiology and Allied Sciences” were conducted. A poster competition for B.Sc. II year was organized on topic “My Health My Responsibilities”. Dr. Arvind Deshmukh and Dr. Shiva Aithal addressed the event. Around 325 participants benefitted from the event.
- Ms. Pallavi Sonone got 3rd prize in poster presentation in State level Competition on date 28th Feb 2019.
- The Department has on-going 21 dissertation Projects.
- The Department also runs Carrier Oriented Program (COP), approximately 142 students are admitted to various COP Programs like CCLT/DCLT AND ADCLT.

Certificate of “BEST DEPARTMENT” awarded to the department of Microbiology by Microbiologist’s Society, India.

Microbiologist's Society, India

(Regi. No. MAH/4814/SAT)



"Best Department Award"

This is to Certify that

Department of Microbiology, Shri R. L. T. College of Science, Akola (MS)

Has Secured National Level **Best Department Award** During Academic Year 2018-19.

We are glad to acknowledge efforts taken by faculty for upliftment of students.

Congratulations

Dr. S. D. Patil

Chairman, Award Committee
Microbiologist's Society, India.


Dr. A. M. Deshmukh

President
Microbiologist's Society, India.

Microbiologist's society India: Students enrolment (2018-2019)

Total students strength: 210

THE B.G.E.SOCIETY'S SHRI. R. L. T. COLLEGE OF SCIENCE, AKOLA. DEPARTMENT OF MICROBIOLOGY			
STUDENT'S STRENGTH			
SESSION 2018- 2019			
SR. NO.	CLASS	PROGRAMME	STRENGTH
1	B. SC. I	UG	122
2	B. SC. II		139
3	B. SC. III		105
4	M. SC. I	PG	22
5	M. SC. II		23
TOTAL			411

		
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DEPARTMENT OF MICROBIOLOGY



U.G LABORATORY



U.G LABORATORY



RESEARCH LABORATORY



DEPARTMENTAL INSTRUMENTS



SEMI-AUTOANALYZER



SPECTROPHOTOMETER



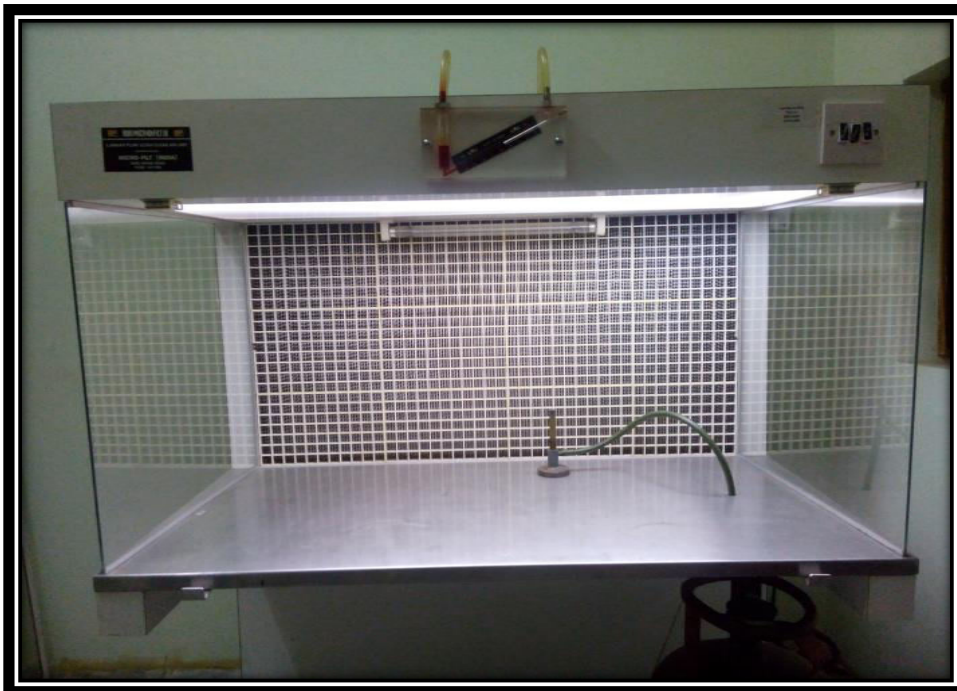
ULTRA-SONICATOR



SOXHLET



DEEP FREEZER



LAMINAR AIR FLOW



MICRO-CENTRIFUGE



AUTOCLAVE

Meritorious

Students

RLTion's Pride

		
<p>Ms. Mrunali Kashid 1st Merit in M.Sc. (Microbiology) Examination (S-2018) of S.G.B. Amravati University, Amravati</p>	<p>Ms. Shruti Joshi 4th Merit in M.Sc. (Microbiology) Examination (S-2018) of S.G.B. Amravati University, Amravati</p>	<p>Ms. Shubhangi Laghe 5th Merit in M.Sc. (Microbiology) Examination (S-2018) of S.G.B. Amravati University, Amravati</p>

GANESHA IDOL PREPARATION BY MICROBIOLOGY STUDENTS



लोकमत समाचार

आरएलटी विज्ञान महाविद्यालय में पर्यावरण पूरक गणेश कार्यशाला



अकोला । 8 सितंबर । लोक सेवा

द बेरज जनरल एजुकेशन सोसाइटी द्वारा संचालित आर.एल.टी. विज्ञान महाविद्यालय के सूक्ष्म जीवशास्त्र विभाग, सामाजिक वनीकरण विभाग, निरम कट्टा एवं माइक्रोबायोलॉजी सोसाइटी ऑफ इंडिया के संयुक्त तत्वावधान में 6 सितंबर को शाहु की मिट्टी से गणेश मूर्ति बनाने की कार्यशाला का आयोजन किया गया था।

कार्यक्रम की अध्यक्षता द बेरज जनरल एजुकेशन सोसाइटी के अध्यक्ष डॉ.आर.बी. हेडा, प्रमुख अतिथि के रूप में अचि. मोतीसिंह मोहन, डॉ. वी.डी. नानोटी, कार्यशाला के समन्वयक डॉ.हरीश मालपानी, निरम कट्टा के अध्यक्ष अमील सार्यत, डॉ.मिलिंद शिरभाते, डॉ.सत्यनाथराव वाहेली, अनिल जाधव, चवन माहेश्वरी, नमता टाले तथा सामाजिक वनीकरण विभाग आदि उपस्थित थे।

इस कार्यशाला को विद्यार्थियों का व्यापक प्रतिसाद मिला। अकोला शहर की विभिन्न शालाओं तथा महाविद्यालयों के 105 विद्यार्थियों ने सहभागिता की। इस कार्यशाला में केजी से सीधे पीजी के विद्यार्थी उपस्थित थे। निरम कट्टा के शिवा इंगले तथा अन्य स्वयंसेवकों ने विद्यार्थियों को मूर्ति बनाने का प्रशिक्षण दिया। छात्रा अलक्या शेख ने सुंदर मूर्ति बना कर सामाजिक एकाई का पाठ पढ़ाया।

अपने अध्यक्षीय भाषण में डॉ. हेडा ने कहा कि- फिलहाल ऐसे उपक्रमों की आवश्यकता है। युवा पीढ़ी में उत्सव मनाने सामाजिक शलोक का महत्व बतलाया, अचि. मोतीसिंह मोहन ने निरम कट्टा तथा अन्य सामाजिक कार्यकर्ताओं ने शाहु मिट्टी से बनी मूर्तियां उपलब्ध कराने का आह्वान किया, महाविद्यालय की पूर्व छात्रा दीपिका सोनार का मार्गदर्शन महत्वपूर्ण रहा।

कार्यशाला की सफलता के लिए डॉ.उमेश भालेकर, डॉ.हरीश मालपानी, सोनाली गवारे, डॉ.राजेश चंदावरी, डॉ.अर्चना सायकर, डॉ.सुधीर कोहवाले एवं माइक्रोबायोलॉजी के सभी स्वयंसेवकों ने प्रयास किए।

अकोला । 8 सितंबर । लोक सेवा

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Apna Akola
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Best student award



U. G. BEST STUDENT AWARD,(MSI)



P. G. BEST STUDENT AWARD,(MSI)



FELICITATION OF NET QUALIFIED STUDENT



CCLT,DCLT EXAM CERIFICATE



BLOOD DONATION CAMP

24TH DECEMBER BLOOD GROUP DETECTION CAMP



THALASSEMIA AWARENESS PROGRAM



MORNA RIVER CLEANLINESS CAMPIAGN



EDUCATIONAL TOUR



Issue Addressed: Health Awareness

Guest Lecture of Dr. Awinash Saoji on Cancer awareness

Issue addressed: Health Awareness



Guest Lecture organized by MICRANS



Issue Addressed: Propagation of scientific temperament

State Level Seminar on My Health, My Responsibility: Complementary to Medicine and Healthcare' and Teacher's workshop on 'Teaching Constraints in Microbiology and Allied Sciences'