



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

### RESEARCH ACTIVITY

Session 2020-21

#### 1. Research Project

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/ Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/ non-Government)
Patent File	P.T.Agrawal	Chemistry-	2021	30000	-	BGE's society Akola	Non Govt
Unnat Bharat Abhiyan	R.P.Joshi	NSS	2021	50000	1 Year	IRDIT-Delhi	Govt
Ph.D Research	Sandeep A. Toshniwal	Microbiology	2021	11000	1 year	Alumini Association, Shri R.L.T.College of Science, Akola	Non Govt
Ph.D Research	Abhilasha A. Deshmukh	Microbiology	2021	11000	1 year	Alumini Association, Shri R.L.T.College of Science, Akola	Non Govt

#### 2. Paper Publication (Specify : National / International Journal)

Title of paper	Name of the author/s	Department of the Teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the journal
1.Synthesis of triazine linked pyrazole heterocyclics by conventional heating and microwave irradiative cyclocondensation and evaluation of antitubercular and antimicrobial potential	Dr. P. P. Deohate	Chemistry	Indian Journal of Chemistry, 59B, 1707, 2020	2020	0975-0983 0376-4699	UGC Care List-II (Scopus) <a href="https://www.scopus.com/sourceid/24111">https://www.scopus.com/sourceid/24111</a> UGC Care List-II (WoS) <a href="https://mjl.clarivate.com/search-results?issn=0376-4699">https://mjl.clarivate.com/search-results?issn=0376-4699</a>

2.Synthesis of pyrimidine linked pyrazole heterocyclics by microwave irradiative cyclocondensation and evaluation of their insecticidal and antibacterial potential	Dr. P. P. Deohate	Chemistry	Indian Journal of Chemistry, 60B, 611, 2021	2021	0975-0983 0376-4699	UGC Care List-II (Scopus) <a href="https://www.scopus.com/sourceid/24111">https://www.scopus.com/sourceid/24111</a> UGC Care List-II (WoS) <a href="https://mjl.clarivate.com/search-results?issn=0376-4699">https://mjl.clarivate.com/search-results?issn=0376-4699</a>
3.A novel investigation of nanoparticles glucose penta acetate and their comparative study	Dr. P. T. Agrawal, Dr. A. G. Sarap	Chemistry	Vidyabharati International Interdisciplinary Research Journal, Sp., 263, 2020	2020	2319-4979	UGC Care List-II (WoS) <a href="https://mjl.clarivate.com/search-results?issn=2319-4979">https://mjl.clarivate.com/search-results?issn=2319-4979</a>
4.Nanoparticles of lactosyl thiocarbamides : synthesis and characterization	Dr. P. T. Agrawal, Mr. S. C. Zyate	Chemistry	Vidyabharati International Interdisciplinary Research Journal, Sp., 255, 2020	2020	2319-4979	UGC Care List-II (WoS) <a href="https://mjl.clarivate.com/search-results?issn=2319-4979">https://mjl.clarivate.com/search-results?issn=2319-4979</a>
5.Synthesis and characterization of nanoparticles of maltosylated thiocarbamides and derivatives	Dr. P. T. Agrawal	Chemistry	Vidyabharati International Interdisciplinary Research Journal, Sp., 259, 2020	2020	2319-4979	UGC Care List-II (WoS) <a href="https://mjl.clarivate.com/search-results?issn=2319-4979">https://mjl.clarivate.com/search-results?issn=2319-4979</a>
6.Synthesis of pyrazines and imidazoles using lemon juice ( <i>Citrus limon</i> ) as a recyclable catalyst	Dr. P. R. Kawle	Chemistry	Indian Journal of Chemistry, 59B, 1887, 2020	2020	0975-0983 0376-4699	UGC Care List-II (Scopus) <a href="https://www.scopus.com/sourceid/24111">https://www.scopus.com/sourceid/24111</a> UGC Care List-II (WoS) <a href="https://mjl.clarivate.com/search-results?issn=0376-4699">https://mjl.clarivate.com/search-results?issn=0376-4699</a>
7.Synthesis and characterization of some novel sugar containing 2,4-isodithiobiurets	Dr. K. M. Heda	Chemistry	International Journal of Chemical Sciences, 19(6), 410, 2021	2021	0972-768X	UGC Care List-II (Scopus) <a href="https://www.scopus.com/sourceid/20400195007">https://www.scopus.com/sourceid/20400195007</a>
8.Enzyme alterations in haemolymph of the silkworm, <i>Bombyx mori</i> during grasserie infection	Dr. R. P. Joshi	Zoology	Bioscience Biotechnology Research Communications, 14(2), 675, 2021	2021	2321-4007 0974-6455	UGC Care List-II (WoS) <a href="https://mjl.clarivate.com/search-results?issn=0974-6455">https://mjl.clarivate.com/search-results?issn=0974-6455</a>

9.Improvement of quantum efficiency through Gd <sup>3+</sup> to Eu <sup>3+</sup> energy transfer in YF <sub>3</sub> phosphor	Mr. S. R. Jaiswal	Physics	Luminescence, 1, 2021	2021	1522-7235 1522-7243	UGC Care List-II (Scopus) <a href="https://www.scopus.com/sourceid/26988">https://www.scopus.com/sourceid/26988</a> UGC Care List-II (WoS) <a href="https://mjl.clarivate.com/search-results?issn=1522-7235">https://mjl.clarivate.com/search-results?issn=1522-7235</a>
10.Studies on dental health status to correlate between detrimental food habits and oral hygiene: a questionnaire based survey	Dr. V. D. Nanoty, Ms. S. N. Gawande	Microbiology	International Journal of Dental Science and Innovative Research, 4(3), 278, 2021	2021	2581-5989	Journal <a href="https://www.ijdsir.com">https://www.ijdsir.com</a>
11.Strengthen immunity for Covid-19 pandemic period	Dr. R. D. Chandra wanshi	Physical Education	Research Nebula, Sp., 97, 2020	2020	2277-8071	Journal <a href="https://www.ycjournal.net/ResearchNebula/MasterIssues.aspx">https://www.ycjournal.net/ResearchNebula/MasterIssues.aspx</a>
12.Non-aqueous potentiometric analysis of drug aceclofenac in bulk and single component pharmaceuticals	Dr. P. P. Deohate	Chemistry	Scholars Impact: International Multidisciplinary Multilingual Peer Reviewed Research Journal, 7(3), 230, 2020	2020	2394-7640 2394-7632	Journal <a href="https://scholarsimpact.com">https://scholarsimpact.com</a>
13.Study of phytoplankton of lake Bhivapur, Tq.-Tiwasa, Dist. Amravati	Dr. P. M. Khadse	Botany	International Journal for Innovative Research in Multidisciplinary Field, 23(Sp.), 25, 2021	2021	2455-0620	Journal <a href="https://www.ijirmf.com">https://www.ijirmf.com</a>
14.Antimicrobial activities of some newly synthesized N-lactosylated dithiazolidines and thiadiazines	Dr. K. M. Heda	Chemistry	International Research Journal of Science and Engineering, A11(Sp.), 163, 2021	2021	2322-0015	Journal <a href="https://www.irjse.in">https://www.irjse.in</a>
15.Flowering phenology and pollen histochemical analysis of <i>Gossypium Sp.</i>	Dr. A. A. Sangole	Botany	International Journal of Science Technology and Management, 10(Sp.1), 88, 2021	2021	2394-1537	Journal <a href="http://www.ijstm.com">http://www.ijstm.com</a>

16. Phytochemical screening and analysis of selected medicinal plant in local area	Dr. A. A. Sangole	Botany	Scholars Impact: International Multidisciplinary Multilingual Peer Reviewed Research Journal, 7(3), 235, 2020	2020	2394-7640 2394-7632	Journal <a href="https://scholarsimpact.com">https://scholarsimpact.com</a>
17. Pure zinc oxide based nano thick film for water vapour sensing application	Dr. R. M. Agrawal	Physics	Scholars Impact: International Multidisciplinary Multilingual Peer Reviewed Research Journal, 7(3), 289, 2020	2020	2394-7640 2394-7632	Journal <a href="https://scholarsimpact.com">https://scholarsimpact.com</a>
18. CuO activated ZnO thick films for H <sub>2</sub> S gas sensor at lower temperature	Dr. R. M. Agrawal	Physics	Scholars Impact: International Multidisciplinary Multilingual Peer Reviewed Research Journal, 7(4), 113, 2020	2020	2394-7640 2394-7632	Journal <a href="https://scholarsimpact.com">https://scholarsimpact.com</a>
19. Kaluza-Klein universe in $f(R,T)$ gravity with constant deceleration parameter in presence of quark matter	Dr. S. L. Munde	Mathematics	International Journal of Science and Research, 10(4), 852, 2021	2021	2319-7064	Journal <a href="https://www.ijsr.net">https://www.ijsr.net</a>
20. Bianchi type-III cosmological model with special form of deceleration parameter in $f(R,T)$ gravity	Dr. S. L. Munde	Mathematics	International Journal of Creative Research Thoughts, 9(4), 3659, 2021	2021	2320-2882	Journal <a href="https://ijert.org">https://ijert.org</a>
21. Kaluza-Klein cosmological model with quark and strange quark matter in $f(R,T)$ gravity	Dr. S. L. Munde	Mathematics	International Journal of Advanced Research, 9(4), 264, 2021	2021	2320-5407	Journal <a href="https://www.journalijar.com">https://www.journalijar.com</a>
22. Energy transfer process in MgF <sub>2</sub> : Gd <sup>3+</sup> , Eu <sup>3+</sup> phosphor : application to visible quantum cutting	Mr. S. R. Jaiswal	Physics	International Journal of Scientific Research in Science and Technology, 8(1), 272, 2021	2021	2395-602X 2395-6011	Journal <a href="https://ijsrst.com">https://ijsrst.com</a>

23. Optically stimulated luminescence (OSL) properties of CaF <sub>2</sub> : Ce phosphor for radiation dosimetry	Mr. S. R. Jaiswal	Physics	International Journal of Scientific Research in Science and Technology, 8(1), 133, 2021	2021	2395-602X 2395-6011	Journal <a href="https://ijsrst.com">https://ijsrst.com</a>
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### 3. Book , Chapter in Book Published

Sr.No.	Name of the teacher	Title of the book/ chapters published	Year of publication	ISBN/ISSN number of the proceedings	Affiliating institute at the time of publication	Name of the publisher
1	Dr. A. S. Sawarkar	Current Updates in Life Sciences, Chapter - A Multifunctional Biomaterial: Spider Silk	2021	978-81-9236-218-2	Shri R.L.T. College of Science, Akola	Pandit Jawaharlal Nehru Study Center, Shri Shivaji College of Arts, Commerce and Science, Akola
2	Dr. P. P. Deohate	Stereochemistry - Chemistry in Three Dimensions	2021	978-93-5426-742-0	Shri R.L.T. College of Science, Akola	Dr. P. P. Deohate (Self) (Amazon, Kindle Edition)
3	Dr. P. P. Deohate	B.Sc.-III Practical Chemistry	2021	978-93-5445-764-7	Shri R.L.T. College of Science, Akola	Dr. P. P. Deohate (Self)
4	Dr. P. P. Deohate	Stereochemistry - Basic Concepts and Applications (Educational DVD)	2021	978-93-5457-066-7	Shri R.L.T. College of Science, Akola	Dr. P. P. Deohate (Self)
5	Dr. P. T. Agrawal	A Text Book of Organic Chemistry for B.Sc.-I Year (Sem-I)	2021	978-93-5457-896-0	Shri R.L.T. College of Science, Akola	Dr. P. T. Agrawal (Self)

6	Dr. P. M. Khadse	Current Updates in Life Sciences, Chapter - A Note on Biodiversity of Weeds from Akola District (MS)	2021	978-81-9236-218-2	Shri R.L.T. College of Science, Akola	Pandit Jawaharlal Nehru Study Center, Shri Shivaji College of Arts, Commerce and Science, Akola
7	Dr. A. A. Sangole	MCQ's in Botany for B.Sc., Second Year, Semester-III (Angiosperm Systematics, Anatomy and Embryology)	2021	978-81-9521-918-6	Shri R.L.T. College of Science, Akola	DnyanPath Publication, Amravati
8	Dr. R. M. Agrawal	Experiment Technique in Material Science	2020	978-37-4876-665-0	Shri R.L.T. College of Science, Akola	BookRix
9	Dr. R. M. Agrawal	SOF-10, E-Book Empowering Students with Soft Skills, Chapter - Time as a Resource	2021	978-81-9475-700-9	Shri R.L.T. College of Science, Akola	Director, Students' Development, Sant Gadge Baba Amravati University, Amravati

#### 4. Ph.D Work (Award/Registration)

##### a) Number of teachers recognized as research guides

Sr. No.	Number of full time teachers with Ph.D.	Qualification (Ph.D./D.M./ M.Ch./D.N.B. Superspeciality/D.Sc./D.Lit.) and year of obtaining	Whether recognised as research guide for Ph.D.	Year of recognition as research guide
1	Dr. V. D. Nanoty	Ph.D., 2003	Yes	2004
2	Dr. U. K. Bhalekar	Ph.D., 2014	Yes	2017
3	Dr. R. D. Chandrawanshi	Ph.D., 2017	Yes	2019
4	Dr. S. M. Nagrale	Ph.D., 2012	Yes	2015
5	Dr. A. S. Sawarkar	Ph.D., 2014	Yes	2021
6	Dr. P. P. Deohate	Ph.D., 2005	Yes	2012
7	Dr. P. T. Agrawal	Ph.D., 2011	Yes	2019

8	Dr. P. M. Khadse	Ph.D., 2018	Yes	2021
9	Dr. P. R. Kawle	Ph.D., 2016	Yes	2019
10	Dr. S. R. Kohchale	Ph.D., 2013	Yes	2021
11	Dr. K. M. Heda	Ph.D., 2014	Yes	2021
12	Dr. A. A. Sangole	Ph.D., 2009	Yes	2021
13	Dr. A. G. Sarap	Ph.D., 2011	Yes	2021

### b) Number of Ph.D.s registered during the year

Sr. No.	Name of the scholar	Name of Department	Year of registration of the scholar	Title of the thesis for scholar	University	Research Guide
1	Mr. S. A. Toshniwal	Microbiology	2019	Studies on biogas production : an efficient way to recycle organic kitchen waste from households of Akola district	SGBAU, Amravati	Dr. V.D. Nanoty
2	Ms. A. A. Deshmukh	Microbiology	2019	Studies on non-symbiotic nitrogen fixing microorganisms found in the non-arable soil of Akola district and their potential for development as an efficient biofertilizer	SGBAU, Amravati	Dr. V.D. Nanoty
3	Ms. S. A. Gawande	Microbiology	2019	Studies on relationship between microbial biofilm and tooth decay along with methods for oral hygiene regimen in patients with dental carries from Akola	SGBAU, Amravati	Dr. V.D. Nanoty
4	Mr. S. R. Wagh		2020	Sant Gadge Baba Amravati Vidyapeeth antargat aayojit aantarmahavidyalayin khelanchya spardhemadhil vidyarthyanच्या सहभागवार परिणाम कर्णार्या ग्हातकान्चे अध्यायान	SGBAU, Amravati	Dr. R. D. Chandrawanshi
5	Ms. N. D. Awajare	Chemistry	2019	Synthesis and characterization of nanoparticles of 1-hepta-O-benzoyl- $\beta$ -D-maltosylated thioamides and related compounds	SGBAU, Amravati	Dr. P.T. Agrawal
6	Mr. S. C. Zyate	Chemistry	2019	Studies in the synthesis and characterization of nanoparticles of N-lactosylated isothiocyanate and related compounds	SGBAU, Amravati	Dr. P.T. Agrawal

7	Ms. K. M. Kalange	Chemistry	2019	A detailed investigation of nanoparticles of N-linked glucosylated derivative and their biological evaluation	SGBAU, Amravati	Dr. P.T. Agrawal
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### 5. University/State/National Level Seminar, Workshop or Research Related Activity carried out by Department.

Year	Name of the workshop/ seminar	Date From – To
2020-21	Short term course in Research Methodology	13 <sup>th</sup> - 16 <sup>th</sup> July 2020
2020-21	Entrepreneurship training program on National Education Policy	15 <sup>th</sup> Oct 2020
2020-21	Guest lecture on Virtual laboratory	28 <sup>th</sup> Feb 2021
2020-21	webinar on the topic 'Conservation of water' under the theme of ' <i>Catch the Rain where it falls, when it falls</i>	15 <sup>th</sup> March 2021
2020-21	One day National E-Workshop on Organic Farming for Sustainable Agriculture	24 <sup>th</sup> March 2021
2020-21	State level E-workshop on Eco friendly Holi	27 <sup>th</sup> March 2021
2020-21	Online workshop on chemistry practical	21 <sup>th</sup> April 2021
2020-21	Online certificate course in renewable source of energy	24 <sup>th</sup> -29 <sup>th</sup> June 2021
2020-21	online certificate course in Apiculture	27 <sup>th</sup> June- 2 <sup>nd</sup> July 2021
2020-21	One month add-on part time course on digital skill development program for students –teacher	10 <sup>th</sup> July- 8 <sup>th</sup> August 2021
2020-21	Virtual guest lecture on Career perspective in Programming with Data Structure and Algorithms	30 <sup>th</sup> June 2021
2020-21	Workshop on "E-Waste Management: Reduce, Repair, Refurbish, Recycle & Reuse")	11 <sup>th</sup> August 2021
2020-21	Awareness program to save electricity, paper and energy	26 <sup>th</sup> August 2021

### 6. M.Sc. and Diploma Course Project

Sr. No	Department: Microbiology		Guide
	Name of Student	Topic	
1	Miss Apurva D. Kale	Biofertilizer a Key player in sustainable agriculture practices: a review	Dr. V.D. Nanoty
2	Miss Pragati S. Abgad	Role of vermin composting in bio conservation of kitchen waste to manure: A review	Dr. V.D. Nanoty
3	Miss Naseem Abid Ali	Survey based study on the precautions taken by parents for their children aged 2-17 years during the COVID-19 pandemic	Dr. V.D. Nanoty
4	Miss Swati R. Bhise	Review on Antibiotics used in animal feed and its effect on human health	Dr. V.D. Nanoty
5	Miss Neha S. Phafat	Point prevalence survey on urinary tract infection in woman: to analysis its trend, risk factor and outcome	Ms Sonali N. Gawande



6	Miss Neha G. Kad	A review work on biological control of water hyacinth	Ms Sonali N. Gawande
7	Miss Priyanka J. Sharma	A review on identification on bacterial isolation from tooth decay	Ms Sonali N. Gawande
8	Ms Pragati R. Pakhare	A survey on health practices to maintain health during COVID-19 pandemic	Ms Sonali N. Gawande
9	Ms Shewta R. Rudrakar	Review work on oral microbial biofilm related to COVID-19 pandemic	Ms Sonali N. Gawande
10	Miss Prajakta A. Kulkarni	Role of Hematological parameter in the stratification of COVID-19 infection	Dr. Harish S. Malpani
11	Miss Nisha G. Taksalkar	Review work on : Antimicrobial and antioxidant property of Moringa oleifera	Dr. Harish S. Malpani
12	Miss Pragati R. Shelke	Review studies on food allergies and hypersensitivity	Dr. Harish S. Malpani
13	Miss Nisha A. Rathod	A review work on Bio Diesel from waste cooking oil	Dr. Harish S. Malpani
14	Miss Leena V. Dange	Review studies on impact of drugs/antibiotics spoon get microbiome	Dr. Harish S. Malpani
15	Miss Shraddha M. Ganorkar	Studies on Mother milk bank: scope and limitations	Dr. Harish S. Malpani
16	Miss Gauri A. Walke	Review work on eating and food poisoning	Dr. Harish S. Malpani
17	Mr. Akshay S. Wakte	Review work on Microorganism mediated bioremediation of soil contaminants	Dr. Harish S. Malpani
18	Ms. Achal R. Shegaonkar	A review on bioremediation technique	Ms Sonali N. Gawande
19	Miss Simran A. Sachdeo	Review on herbal extract mediated green synthesis of silver nanoparticles	Ms Sonali N. Gawande
20	Miss Rajesh V. Chavan	Probiotics and their health benefits : a review	Dr. Shilpa Lokhande
21	Miss Priya D. Pawar	Bacterial colonization on human skin: a Review	Dr. Shilpa Lokhande
22	Miss Pragati R. Pakhare	A survey on healthy practice to maintain health during COVID-19 pandemic	Ms Sonali N. Gawande
23	Miss Kalyani D. Raut	Food preservation traditional and modern techniques: a review	Ms Sonali N. Gawande
24	Miss Vaishnavi R. Patil	Dandruff and fungal infection controlling shampoo	Ms Sonali N. Gawande
<b>Department: Chemistry</b>			<b>Guide</b>
1	Ankita B. Potdukhe	Review on synthesis, structural study properties and biological activity of 1,2,3- Dithiazolidine derivative	Dr. P.P. Deohate
2	Ankita P. Jaiswal	Review on different methods of preparation of alcohol	Dr. V.D. Deotale
3	Ankita V. Bhad	Waste recycling system in college campus	Mr. S.C. Zyate
4	Archana S. Paraskar	Synthesis and evaluation of herbal based hair dye	Dr. K.M. Heda

5	Dnyaneshwari S. Bhatkar	Herbal soap making	Dr. K.M. Heda
6	Komal B. Sewak	Review on synthesis, structural study and biological potential of 1,3,4-azoidiazote and 1,3,4,-Thidiazote	Dr. P.P. Deohate
7	Komal S. Langote	Liquid waste management in college campus	Mr. S.C. Zyate
8	Komal V. Ingle	Review on pyridine catalysed heterocyclic compound	Dr. P.R. Kawle
9	Komal V. Karale	Evaluation of some chemical constituent of selected energy drinks	Dr. A.G. Sarap
10	Nikita M. Wankhade	Preparation of face mask from oleovera gel	Dr. K.M. Heda
11	Pratiksha H. Mhatre	Purification of Lab water with microbial control	Dr. P.T. Agrawal
12	Priyanka A. Kahar	Review on acid base catalysed Pictet-Spengler reaction	Dr. P.R. Kawle
13	Renuka V. Siraskar	Synthesis of anti HIV agent and control	Dr. P.R. Kawle
14	Rushikesh R. Ekhe	Analytical method and procedure used in soil test in laboratory	Dr. A.G. Sarap
15	Shrutika A. Panchbahai	Review on derivative of Thiobarbituric acid	Dr. V.D. Deotale
16	Shrutika V. Kadam	Hazardous chemical and radioactive waste management in college campus	Mr. S.C. Zyate
17.	Sonali S. Wakode	Review on derivatives of Barbituric acid	Dr. V.D. Deotale
18	Subani S. Sharma	Method and chemical composition of homemade manure	Dr. K.M. Heda
19	Trupti G. Bhise	COVID analysis in Buldhana	Dr. A.G. Sarap
	<b>Diploma Course in Sericulture</b>		<b>Guide</b>
1	Narayani D. Sonone	Cocoon harvesting and Marketing	Dr. Rashmi P. Joshi (Sawalkar)
2	Prathmesh S. Honale		
3	Rutuja S. Badhe		
4	Shweta V. Bharambhe	Infestation of Silkworm pest and Control measures	Dr. Rashmi P. Joshi (Sawalkar)
5	Tanvi S. Debey		
6	Yash Hagone		
7	Bhushan Gondchawar	Infestation of Mulberry Pest and Control Measure	Dr. Rashmi P. Joshi (Sawalkar)
8	Saurabh P Wankhade		
9	Ujwal R. Patel		
10	Harshal S. Giram		
11	Vishal M. Andhale		
12	Kalyani S. Puri	Bio-ecology of Mulberry Silkworm	Dr. S.M. Nagrale and Dr. Rashmi
13	Kunika H. Parmar		
14	Pratiksha D. Chiliwant		

15	Diya S. Paraskar		P. Joshi (Sawalkar)
16	Rasika G. Sharma	Economy of Sericulture	Dr. Rashmi P. Joshi (Sawalkar)
17	Rutika R. Khandare		
18	Rutuja S. Dandale		
19	Vaishnavi B. Mahalle		
20	Ankita R. Gajabhiye	Scope of Entrepreneurship in Sericulture	Dr. Rashmi P. Joshi (Sawalkar)
21	Shivani G. Gangamwar		
22	Vaishnavi S. Ingle		
23	Vaishnavi B. Mhaisane	Moriculture ( Mulberry Plantation )	Dr. Rashmi P. Joshi (Sawalkar)
24	Pragati S. Kalne		
25	Priya C. Khobare		
26	Prajakta U. Parate	Non- Mulberry Sericulture in India	Dr. Rashmi P. Joshi (Sawalkar)
27	Dhanashree M. Paddakhe		
28	Janhavi Y. Ujawane		
29	Rushikesh R. Ghawat		
30	Sagar B. Chechare		
<b>Diploma Course in Astronomy</b>			<b>Guide</b>
31	Anuradha Dharamkar	Constellation including Zodiac belt	Mr. S.R. Jaiswal
32	Gayatri Ingle		
33	Meenakshi Ingle		
34	Parvin Bhalekar		
35	Tanvi Dubey		
36	Yash Hagone		
37	Bhushan Gondhachawar	Mechanism of the seasons	
38	Nikita Tembhekar		
39	Pooja Hatgaonkar		
40	Ritika Wankhade		
41	Vaishnavi Kadu	Measuring the Diameter of the Sun and simple Telescope making	
42	Aakanksha Dongare		
43	Akhilesh Puranik		
44	Akshay Ingle		
45	Amisha Mishra		
46	Anuradha Mahajan		
47	Divyani Mulatkar		
48	Hrutuja Gopnarayan		
49	Kalyani Kanojiya		
50	Prashant Rathi		
51	Samiksha Dongre		
52	Vaibhav Saraf		
53	Vaishnavi Mhaisane		

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## 7. MoU of Department

Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Year of signing MoU	Duration	List the actual activities under each MOU year wise	Number of students/teachers participated under MoUs
1. Microbiologist's Society of India	Department of Microbiology, Shri RLT College of Science, Akola	2021	5 Years / 30.06.2021 to 30.04.2021	1. Organization of guest lecture of by Microbiologist's Society of India 2. Organization of guest lecture of by Microbiology Department of Shri RLT College of Science, Akola	293
2. Dr. Hedgewar Hospital and Research Centre, Akola	Shri RLT College of Science, Akola	2020	5 Years / 15.06.2020 to 30.04.2026	1. Pathology training conducted by Hospital for students of Shri RLT College of Science 2. Bacterial culture, blood and urine samples and other required pathology materials provided by hospital to Shri RLT College of Science	24 + 3
3. Government B. Ed. College, Akola	Shri RLT College of Science, Akola	2021	2 Years/ 15.06.2021 to 14.06.2023	ICT training under Digital Skill Development Programme for students of Government College was conducted by faculty of Shri RLT College of Science, Akola	265 + 7
4. Modern Education Society's Centre for Talent Search & Excellence	Shri RLT College of Science, Akola	2019	5 Years / 01.01.2019 to 31.12.2024	Cooduction of MTS Examination	22
5. District Sericulture Office, Akola	Shri RLT College of Science, Akola	2021	5 Years / 30.07.2021 to 29.07.2026	1. Online videos of Hands on training of Department of Sericulture were shared with the registered students of certificate course in sericulture as a part of internship of students.	30 + 2
6. Department of Physics, Shri Shivaji Science College, Amravati	Department of Physics, Shri RLT College of Science, Akola	2021	5 Years / 30.09.2021 to 29.09.2026	1. Online guest lectures of faculties of Department of Physics, Shri Shivaji Science College, Amravati and Shri RLT College of Science, Akola	90
7. Vitthal Mushroom Industry, Amanatpur, Akola	Deaprtment of Botany, Shri RLT College of Science, Akola	2019	5 Years / 21.08.2019 to 20.08.2024	Online video of Vitthal Mushroom Industry was shared with the students of Shri RLT College of Science, Akola	661 + 4

8. Shrushti Vaibhav NGO, Akola	Deaprtment of Botany, Shri RLT College of Science, Akola	2019	5 Years / 21.08.2019 to 20.08.2024	Online video lecture of Uday Waze, President of Shrushti Vaibhav NGO, Akola about the natural resources and their conservations.	239 + 4
9. Microspectra Software Technologies Pvt. Ltd	Shri RLT College of Science, Akola	2019	5 Years / 09.04.2019 to 08.04.2024	Conduction of online/offline difficulty solving session on Android App Development	20 + 2
10. Spectramind Web Hosting Solution Pvt. Ltd	Shri RLT College of Science, Akola	2019	5 Years / 09.04.2019 to 08.04.2024	Nil	Nil
11. Vibrantmind Digital Marketing Solution Pvt. Ltd.	Shri RLT College of Science, Akola	2019	5 Years / 09.04.2019 to 09.04.2024	Conduction of interactive session of B.Sc. students with experts of Vibrantmind Digital Marketing Solution Pvt. Ltd.	40 + 2
12. IAEER'S Pune Institute of Bussiness Management, Pune	Shri RLT College of Science, Akola	2021	2 Year / 01.03.2021 to 28.02.2023	Online video lecture for higher profession-MBA	50 + 2

**Dr. S.M. Nagrale**  
**Chairman**  
**Research Committee**

**Dr. V.D. Nanoty**  
**Principal**  
**Shri R.L.T.College of Science, Akola**