

**श्री राधाकिसन लक्ष्मीनारायण तोष्णीवाल विज्ञान महाविद्यालय, अकोला**

**RESEARCH ACTIVITY**

**REPORT**

**1. MAJOR RESEARCH PROJECT (UGC)**

Sr. No.	Department	Name of P.I.	Title of Project	Duration	Amount Sanctioned
1	Chemistry	Dr. A.G. Sarap (Co-Investigator)	Special Distribution of Uranium and associated water quality Parameters in Groundwater/Drinking Water in 3 Districts of Amravati Division, Maharashtra State.	2014-2017	24,49,000

**2. PAPER PUBLICATION**

Sr. No.	Department	Name of Author	Title of Research Paper	Name of Journal Volume	Impact Factor
1	Chemistry	Dr. P.T. Agrawal (3)	1. Synthesis of some novel organic N-lactosylated thiocarbamides Nanoparticles.	International Journal of Researches in Bioscience, Agriculture & Technology Special Issue(2), Vol-V, July 2017. Pg.No.55-57, ISSN No. 2347-517X	4.50
			2. A facile synthesis of some new N-lactosylated thiocarbamates nanoparticles and comparative account of their antimicrobial activity.	International J. Pure and Applied Res. in Engg. & Tech., vol 6(2), 2017 Pg. no. 315-318 ISSN-2319-507	4.226
			3. Synthesis and Characterization of Hepta-O-Benzoyl- $\alpha$ -D-Maltosyl Isothiocyanate Nanoparticles.	Aayushi International Interdisciplinary Research Journal Special Issue No.26	4.57
2	Chemistry	Dr. P.P. Deohate (6)	1. Isolation, identification and synthesis of analogues of kaempferol isolated from phyllanthus niruri.	International J. Pure and Applied Res. in Engg. and Tech.,6(2),163,2017	4.226
			2. Synthesis of triazolo-dithiadiazines by sulphur-sulphur bond formation through microwave assisted cyclocondensation and biological evaluation.	International J. Pure and Applied Res. in Engg. and Tech.,6(2),233,2017	4.226

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			3. Conventional and MW induced synthesis of some bridgehead nitrogen containing triazolodithiadiazines by sulphur-sulphur bond formation through cyclocondensation and antimicrobial study.	J.Indian Chemical Society, 94,1221,2017	0.145
			4. Non-aqueous potentiometric determination of pharmaceutically potent drug diphenhydramine hydrochloride.	J.Indian Chemical Society, 94,1239,2017	0.145
			5. The Conventional and MW assisted synthesis of some bridgehead nitrogen containing triazolo-thiadiazoles by cyclocondensation using N-aryl isocyanodichlorides and antimicrobial evaluation.	Indian J. Heterocyclic Chemistry,27(04),377, 2017	0.207
			6. Simultaneous non-aqueous potentiometric determination of pharmaceutically potent ibuprofen-diphenhydramine hydrochloride & paracetamol diphenhydramine hydrochloride combination drugs.	Aayushi International Interdisciplinary Research Journal, 26(Sp.),1114,2018	4.57
3	Chemistry	Dr. P.R. Kawle (3)	1. One step iodine promoted synthesis of imidazole-2-one and pyrimidine-1-one.	Journal of Chemistry and Chemical Sciences 7(11),2017-898	
			2. Simple Approach For preparation of Bis(2-aryl) H-Benzimidazole Nickel (II) chloride complex	International J. Pure and Applied Res. in Engg. and Tech., 6(2), 2017 Pp 362-367	4.226
			3. Acridine substituted (1,2,4) dithiazoiiodine: A potent larvicidal & seed germination promoting agent.	Aayushi International Interdisciplinary Research Journal Special Issue No. 26	4.57
4	Chemistry	Dr. K.M. Heda (2)	1. Synthesis and screening of sugar Hydrazino Benzothiozoyl Thiocarbamide for Biological studies.	International J. Pure and Applied Res. in Engg. and Tech., 6(2), 355-361,2017	4.226

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			2. Synthesis, Characterization and Biological studies of newly synthesized 3-acyl [Nitroaniline]-4-S-benzyl-6-P-tolylimino-2-phenylimino-2, 3-dihydro-1,3,5-thiadiazines (hydrochlorides)	Aayushi International Interdisciplinary Research Journal Special Issue No. 26	4.57
5	Chemistry	Dr. A.G. Sarap (1)	1. Novel study of synthesis of Nanoparticle of some lactosylated dithiurets and their XRD study.	International J. Pure and Applied Res. in Engg. & Tech., vol 6(2), 2017 Pg.no. 238-245. ISSN-2319-507	4.226
6	Chemistry	Mr. S.C. Zyate (1)	1. Facile Synthesis of Chalcone Derivatives and their Characterization	Aayushi International Interdisciplinary Research Journal Special Issue No. 26	4.57
7	Microbiology	Ms. S.N. Gawande (1)	1. Analysis of Bacteriological Parameter of public water supply in Daryapur and Anjangoan Tehsil and Calculate percentage of contaminated water in 2017-18.	International Journal of creative research thoughts Vol. 6 Issue 1	
8	Zoology	Dr. S.M. Nagrale (4)	1. Reproductive morphology in mycophagus thrips <i>Elaphrothrips procer</i> (Thysanoptera: Phlaeothripidae)	<i>International Journal of Researches in Biosciences, Agriculture &amp; Technology</i> IJBAT, Special issue (2), Vol.-V, (July 2017) (ISSN:2347-517X-Online)	5.060
			2. A preliminary survey for hard ticks (Acari: Ixodidae) diversity on the livestock in Akola District, Maharashtra (India)		
			3. Potential Mosquitocide phyto- extract of <i>Parthenium hysterophorous</i> (Congress grass) weed plant	<i>International Journal of Pure and Applied Research in Engineering and Technology</i> . IJPRET-2017 (September 2017), Vol.6 (2), (ISSN:2319-507X)	4.226
			4. Insilico analysis and homology modeling of TBC1D3 protein		

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			5. Developmental Variation of <i>Elaphrothrips procer</i> (Schmutz) (Thysanoptera: Phlaeothripidae)	International Journal of Current Engineering and Scientific Research (IJCESR). Vol.-5, (1). 2018	3.24
			6. Morphological Variation of Thrips insect <i>Elaphrothri -ps procer</i> (Schmutz) (Thysanoptera: Phlaeothripidae)	Aayushi International Interdisciplinary Research Journal 2018 Special Issue No. 26	4.57
9	Zoology	Dr. A.S. Sawarkar (3)	1. Medicinal prospects for major ampullate silk of giant wood spider, <i>Nephila Pilipes</i>	<i>International Journal of Researches in Bio-sciences, Agriculture and Technology</i> (July 2017), Special issue (2), Vol.-V, 163-165 (ISSN:2347-517X-Online)	5.060
			2. Zinc induced histopathological and biochemical anomalies in the liver of fish <i>Ophiocephalus punctatus</i>	<i>International Journal of Life Sciences</i> (Sept. 2017), Special Issue, A8, 147-150, (ISSN:2320-7817, eISSN:2320-964X)	4.369
			3. X- ray diffraction study of dragline silk of <i>Nephila pilipes</i> (Araneae: Araneidae)	International Journal of Pure and Applied Research in Engineering and Technology (September 2017), Vol.6 (2), 66-69, (ISSN:2319-507X)	4.226
10	Zoology	Dr. S.R. Kohchale (2)	1. Serum Biochemical alterations in Sickel cell anemic subjects from Gadchiroli District, Maharashtra	<i>International Journal of Researches in Biosciences, Agriculture and Technology</i> IJRBAT, Special issue (2), Vol.-V, (July 2017) (ISSN:2347-517X-Online)	5.060
			2. Effect of folic acid antagonist methotrexate on prostate gland of Indian Palm Squirrel <i>Funambulus Pennanti</i> (Wroughton)	ESSENCE-Int. Journal for Environmental Rehabilitation and Conservation, Vol-VIII(2) 2017(61-64)	-

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11	Zoology	Dr. R.P. Joshi Sawalkar (5)	1. Hemolymph Glucose Dynamism in Silkworm <i>Bombyx mori</i> Infected with Grasserie and Flacherie	Environment and ecology. Kalyani.Vol35 (2C) : 1354—1356, April—June 2017 ISSN: 0970-0420	--
			2. Seasonal incidence of Pathogenic Diseases Flacherie in Silkworm <i>B.morin</i> Vidarbha Region(Maharashtra)	Trends in biosciences 10(13), UGC enlisted	NAAS rating 3.94
			3. Seasonal incidence of Pathogenic Disease Grasserie in Silkworm <i>B.morin</i> Vidarbha Region (Maharashtra)	Indian Journal of pure and applied biology. UGC enlisted. ISSN: 0970-2091	Impact factor (2012) 3.0
			4. Haemolymph response in silkworm <i>Bombyx mori</i> , during infection with Grasserie.	International Journal of Researches in Biosciences, Agri. & Tech. Special Issue No.(2) Vol. V, July 2017	-
			5. Quantitative biochemical responses in midgut tissue of silkworm <i>Bombyx mori</i> , during Grasserie infection.	105 <sup>th</sup> Indian Science Congress, Manipur Imphal on 16 to 20 <sup>th</sup> March 2018 (Abstract)	-
12	Physics	Mr. P. P. Gedam (5)	1. Synthesis and characterization of polyaniline nanowires by a novel electrochemical polymerization technique.	International journal of current engineering and scientific Research (IJCESR)	3.2
			2. Synthesis & Characterization of L-Valine Capped Sn Doped CuO Nanoparticles.	International journal of current engineering and scientific Research (IJCESR)	3.2
			3. Optical limiting in gelatin stabilized Cu-PVP nanocomposite colloidal suspension	American Institute of Physics (Conference Proceedings)	-
			4. Synthesis and characterization of Ni doped ZnO nanoparticles.	American Institute of Physics (Conference Proceedings)	-
			5. Polyaniline thin film synthesis and characterization by a novel electrochemical polymerization technique.	Aayushi International Interdisciplinary Research Journal Special Issue No. 26	4.57

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13	Physics	Mr. R.M. Agrawal (1)	1. Study of DC Conductivity of Polypyrrole doped with SnO <sub>2</sub> Nanocomposites	Int. Journal of Scientific Research in Science, Engnn and Techn (ijsrset) Vol.4 , Issue 1, pp 1249-1253. (2018). ISSN : 2394-4099.	4.916
14	Physics	Mr. S. R. Jaiswal (1)	1. Comparative study of nanosized Al <sub>2</sub> O <sub>3</sub> powder synthesized by Solgel (citric and stearic acid) and aldo-keto gel method	Optik International Journal for light and electron optics Vol. 158, pp. 1248-1254, 2017	0.8
15	Botany	Mrs V. N. Badgujar (1)	1. Use of Natural Food Additives from Hydrocerus Undates (dragonfruit) in Food industry-A Green step in Green Chemistry	Aayushi International Interdisciplinary Research Journal Special Issue No. 26	4.574
16	Botany	Mr. P.M. Khadse (2)	1. Pharmacognostic studies on Acacia arabica (Lamk.) Willd Analytical studies	International Journal of Scientific Research in Science & Technology	3.6
			2. Qualitative Phytochemical ana- lysis and pharmacological studies of Acacia Arabica (Lamk.) willd	Ayushi International Interdisciplinary Research Journal Special Issue No. 26	4.574
17	Botany	Dr. A. A. Sangole (3)	1. Role of physic-chemical analysis in soil quality and management	International journal of pure and applied research in Engineering and Technology	4.226
			2. Phytochemical screening of selected medicinal plants of the family Lamiaceae	International journal of Life Sciences	4.23
			3. Monitoring Airborne fungal Mycoflora in College Laboratory	Aayushi International Interdisciplinary Research Journal Special Issue No. 26	4.574
18	Botany	Mr. S. Madavi (2)	1. Weeds of Agriculture Fields in Kharip and Rabi Season and their control measures In Gadchiroli Dist. of Maharashtra State, India	Aayushi International Interdisciplinary Research Journal (AIIRJ) Special Issue No. 26	4.57

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			2. Investigation of Rhizosphere Mycoflora from some members of Solanaceae Family	International Journal of Current Engineering and Scientific Research (Ijcesr). Vol.-5, 1	3.24
19	Mathematics	Ms. S.B. Tadam	Characterization of uniformly continuous Pseudo Metric space	Aayushi International Interdisciplinary Research Journal Special Issue No. 26	4.574
20	Electronic	Mr. R.D. Chaudhari (1)	1. Personal Iris recognition using Neural network	International Journal of Pure and Applied Research in Engg and Technology	4.226
21	D.P.E	Dr. R.D. Chandrawanshi (2)	1. A study of Aerobic Endurance among Judo players and Wrestlers of Akola City.	Online International Interdisciplinary Research Journal, ISSN 2249-9598, Vol.-07, July 2017 Special Issue (UGC Approved)	3.816
			2. A comparative study of upper body strength among Judo Players and Wrestlers of Akola City.	International Online Physical Education & Sports Research Journal (Academic Sports Scholar) ISSN No. 22773665 Vol. No.06, Issue No.07, July 2017 (UGC Approved)	3.102
22	Library	Mr. M.R. Ubale	1. Use of information and communication technology (ICT) in the Library	Aayushi International Interdisciplinary Research Journal(AIIRJ), Vol-V, Issue-I, Jan 2018.	4.574

**4. PAPER PRESENTED IN CONFERENCE / SEMINAR :**

Sr. No.	Department	Name of Author	Title of Research Paper	Name & Place of Conference/Seminar/ Workshops	Year/ Date
1	Microbiology	Dr. V.D. Nanoty (5)	1. Enumeration of Bacterial Pathogens from Nosocomial infection prone areas of Hospitals of Akola City	Recent Trends in Biotechnology & Biodiversity; Shri Shivaji College of Science, Amravati,	22-23 Sept. 2017

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			2. Nanoparticle conjugated Antibiotics: New hope against Antibiotic resistance	Recent Advances in Chemical Science; Shri Shivaji College of Science, Akola	26-27 Feb 2018
			3. MTT based method for rapid detection of oxacillin resistance in Staphylococcus aureus	Recent Trends in Biotechnology & Biodiveristy; Shri Shivaji College of Science, Amravati	22-23 Sept. 2017
			4. Study of oral microflora and application of oral depositors to avoid oral infection in RPD patient.	International Conference on Frontiers in Life Science & Earth Science; Prof. Ramkrishna More College of Arts, Science and Commerce, Pune	18 <sup>th</sup> -19 <sup>th</sup> Jan 2018
			5. To study antimicrobial activity of Citrus Sinesis (orange) peel extract against oral pathogen	Recent Trends in Biotechnology & Biodiveristy; Shri Shivaji College of Science, Akola	26-27 Feb. 2018
2	Microbiology	Dr. U.K. Bhalekar (3)	1. Enumeration of Bacterial Pathogens from Nosocomial infection prone areas of Hospitals of Akola City	Recent Trends in Biotechnology & Biodiveristy; Shri Shivaji College of Science, Amravati	22-23 Sept. 2017
			2. MTT based method for rapid detection of oxacillin resistance in Staphylococcus aureus	Recent Trends in Biotechnology & Biodiveristy; Shri Shivaji College of Science, Amravati	22-23 Sept. 2017
			3. Study of oral microflora and application of oral depositors to avoid oral infection in RPD patient.	International Conference on Frontiers in Life Science & Earth Science; Prof. Ramkrishna More College of Arts, Science and Commerce	18-19 Jan. 2018
3	Microbiology	Dr. H.S. Malpani (2)	1. Enumeration of Bacterial Pathogens from Nosocomial infection prone areas of Hospitals of Akola City	Recent Trends in Biotechnology & Biodiveristy; Shri Shivaji College of Science, Amravati	22-23 Sept. 2017



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			2. Nanoparticle conjugated Antibiotics: New hope against Antibiotic resistance	Recent Trends in Biotechnology & Biodiveristy; Shri Shivaji College of Science, Akola	26-27 Feb. 2018
4	Microbiology	Ms. S.N. Gawande (3)	1. MTT based method for rapid detection of oxacillin resistance in Staphylo coccus aureus	Recent Trends in Biotechnology & Biodiveristy; Shri Shivaji College of Science, Amravati	22-23 Sept. 2017
			2. Study of oral microflora and application of oral depositors to avoid oral infection in RPD patient.	International Conference on Frontiers in Life Science & Earth Science; Prof. Ramkrishna More College of Arts, Science and Commerce, Pune	18-19 Jan. 2018
			3. To study antimicrobial activity of Citrus Sinesis (orange) peel extract against oral pathogen	Recent Trends in Biotechnology & Biodiveristy; Shri Shivaji College of Science, Akola	26-27 Feb. 2018
5	Chemistry	Dr. P.T. Agrawal (4)	1. Synthesis of some novel organic N-lactosylated thiocarbamides Nanoparticles.	International conference Recent trends in science and technology. Sustainable development through Scientific approach. Shivaji College, Nagpur.	July 12-14, 2017
			2. A facile synthesis of some new N-lactosylated thiocarbamates nanoparticles and comparative account of their anti-microbial activity.	Int. Conf. "Advances in science, teachnology and management" Organized by Shivaji Engg. College, Babhulgaon, Akola	10 Oct. 2017
			3. Comparative study of MW assisted synthesis with conventional synthesis of some novel glycosyl thiobiurets.	UGC sponsored national conference on Recent Advances in Chemical Sciences Organized by Shivaji College, Akola	Feb. 26 & 27, 2018

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			4. Synthesis and Characterization of Hepta-O-Benzoyl- $\alpha$ -D-Maltosyl Isothiocyanate Nanoparticles.	UGC and DST sponsored Int. Conf. on Recent trends in science and technology S.S.S.K.R. Innani Mahavidyalaya, Karanja (Lad)	22-23 March, 2018
6	Chemistry	Dr. P.P. Deohate (4)	1. Synthesis of triazolo-dithiadiazines by sulphur-sulphur bond formation through microwave assisted cyclocondensation and biological evaluation.	International Conference on Advances in Sciences, Technology and Management, College of Engg. and Tech., Akola	10 Oct. 2017
			2. Synthesis of triazine linked pyrazoles by conventional and MW irradiation technique, spectroscopic investigation and antimicrobial evaluation.	National Conference on Recent Advances in Chemical Sciences, Shri Shivaji College of Arts, Commerce and Science, Akola	26,27 Feb. 2018
			3. Studies of antioxidant properties of analogues of polar flavanoid quercetin isolated from phyllanthus emblica.	National Conference on Recent Advances in Chemical Sciences, Shri Shivaji College of Arts, Commerce and Science, Akola	26,27 Feb. 2018
			4. Simultaneous non-aqueous potentiometric determination of pharmaceutically potent ibuprofen-diphenhydramine hydrochloride and paracetamol diphenhydramine hydrochloride combination drugs.	International Conference on Recent Trends in Science and Technology, S.S.S.K.R. Innani Mahavidyalaya, Karanja (Lad)	22,23 Mar, 2018
7	Chemistry	Dr. P.R. Kawle (3)	1. Simple approach for preparation of Bis (2-aryl) H-Benzimidazole Nickel (II) chloride complex	International Conference on Advances in Sciences, technology and management (IC-ASTM)2017, Akola	10 Oct. 2017
			2. Synthesis of imidazoles and pyrazines using efficient lemon juice catalyst.	National Conf. on Recent Advances in Chemical Sciences) (NCRACS-2018) Akola	26,27 Feb. 2018

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			3. Acridine substituted (1,2,4) dithiaziodine: A potent larvicidal and seed germination promoting agent.	Int. Conf. on Recent trends in science and technology, Karanja (Lad)	22,23 Mar. 2018
8	Chemistry	Dr. K.M. Heda (3)	1. Biological studies of 1-phenyl-3,2-hydrazino-1, 3-substituted benzothiozoyl thiocarbamide.	National Conference on Recent trends in Biotechnology and Biodiversity NCBB-2017	22,23 Sept. 2017
			2. Synthesis and screening of sugar Hydrazino Benzo thiozoyl Thiocarbamide for Biological studies.	International Conference on Advances in Sciences, technology and management (IC-ASTM) Akola	10 Oct. 2017
			3. Synthesis, Characterization and Biological studies of newly synthesized 3-acyl [Nitroaniline]-4-S-benzyl-6-P-tolylimino-2-phenylimin-2,3-dihydro-1,3,5-thiadi-azines (hydrochlorides)	National Conf. on Recent Advances in Chemical Sciences (NCRACS-2018) Akola	26,27 Feb. 2018
9	Chemistry	Dr. A.G. Sarap (2)	1. Novel study of synthesis of Nanoparticle of some lactosylated dithibiurets and their XRD study.	International Conference on Advances in Sciences, Techology & Management, College of Engg. and Tech., Akola	10 Oct. 2017
			2. Comparative study of MW assisted synthesis with conventional synthesis of some novel glycosyl thiobiurets	UGC sponsored national conference on Recent Advances in Chemical Sciences. Organized by Shivaji College, Akola	Feb. 26 & 27, 2018
10	Chemistry	Mr. V.D. Deotale (1)	1. Synthesis of 1,3 Diaryl-2-thioxo-dihydro pyrimidine-4, 6-(1H,5H)-diones using graphene based coperoxide nano composite.	UGC sponsored national conference on Recent Advances in Chemical Sciences. Shivaji College, Akola	Feb. 26 & 27, 2018
11	Chemistry	Mr. S.C. Zyate (1)	Facile synthesis of Chalcone derivatives and their characterization.	Int. Conf on Recent trends in science and technology, Karanja(Lad)	22-23 March 2018

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12	Physics	Mr. P. P. Gedam (2)	1. Synthesis and characterization of polyaniline nano-wires by a novel electrochemical polymerization technique.	Recent Trends in Synthesis and Characterization of Futuristic Materials in Science for the development of Society. Shingne Arts, Gawande Sci & Comm. College, Sakharkheda, Buldhana	13 Jan. 2018
			2. Polyaniline thin film synthesis and characterization by a novel electrochemical polymerization technique.	Int. Conf on Recent trends in science and technology, Karanja(Lad)	22-23 March 2018
13	Physics	Mr. R. M. Agrawal (1)	1. Humidity Sensing Characteristics of Porous ZnO/SnO <sub>2</sub> Doped Thick Films	International Conference on "Applied Nanotechnology and Nanoscience". (ICANN-2017) Poster Presentation : 2 Prize	7-9 Dec. 2017
14	Physics	Mr.S. R. Jaiswal (2)	1. Bluish white light emitting phosphor Bi <sup>3+</sup> , Dy <sup>3+</sup> , Co-doped Y (P,V,Nd) O <sub>4</sub> potentially for lamp phosphor (Abstract)	National Conference at Shri Shivaji Arts, Commerce and Science College, Akola.	26,27 Feb. 2018
			2. Investigation on visible Quantum cutting in SrF <sub>2</sub> co-doped with Gd <sup>3+</sup> , Eu <sup>3+</sup> Phosphor (Abstract)	National Conference on Luminescence's and its application Trivendram (Kerala)	.. 2018
15	Zoology	Dr. S.M. Nagrale (6)	1. Reproductive morphology in mycophagus thrips <i>Elaphrothrips procer</i> (Thysanoptera: Phlaeothripidae)	International Conference on "Recent Trends in Science and Technology: Sustainable Development Through Scientific Approach" at Shri Shivaji Education Society's Science College, Nagpur	12-14 July 2017
			2. A preliminary survey for hard ticks (Acari: Ixodidae) diversity on the livestock in Akola District, Maharashtra (India)		
			3. Potential Mosquitocide phytoextract of <i>Parthenium hysterophorous</i> (Congress grass) weed plant	International Conference on "Advances in Science, Technology and Management" at College of	22-23 Sept. 2017

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			4. Insilico analysis and homology modeling of TBC1D3 protein	Engineering and Technology, Akola.	
			5. Developmental Variation of <i>Elaphrothrips procer</i> (Schmutz) (Thysanoptera: Phlaeothripidae)	National Conference on recent trends in synthesis and characterization of futuristic material in Sciences for the development of society, Late B.S. Arts, Prof.N.G. Science & A.G. Commerce College, Sakharkherda, Dist. Buldhana.	13 Jan 2018
			6. Morphological Variation of Thrips insect <i>Elaphrothrips procer</i> (Schmutz) (Thysanoptera: Phlaeothripidae)	International Conference on Recent Trends in Science and Technology, S.S.S.K.R. Innani Mahavidyalaya, Karanja (Lad)	22-23 March 2018
16	Zoology	Dr. A. S. Sawarkar (4)	1. Medicinal prospects for major ampullate silk of giant wood spider, <i>Nephila Pilipes</i>	International Conference on "Recent Trends in Science and Technology: Sustainable Development Through Scientific Approach" at Shri Shivaji Education Society's Science College, Nagpur	12-14 July 2017
			2. Zinc induced histopathological and biochemical anomalies in the liver of fish <i>Ophicephalus punctatus</i>	National Conference "Recent Trends in Biotechnology and Biodiversity" at Shri Shivaji Science College, Amravati.	22-23 Sept. 2017
			3. X- ray diffraction study of dragline silk of <i>Nephila pilipes</i> (Araneae: Araneidae)	International Conference on "Advances in Science, Technology and Management" at College of Engineering and Technology, Akola.	10 Oct. 2017
			4. Biochemical analysis of egg sac silk of <i>Nephila Nephila pilipes</i> with FTIR	National Symposium cum Workshop on "Science & Technology	3-5 Dec. 2017

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			spectroscopy	for Sustainable Wildlife Management, Biodiversity & Ecosystems in India" at J. D. Patil Sangludkar Mahavidyalaya, Daryapur.	
17	Zoology	Dr. S.R. Kohchale (1)	1. Serum Biochemical alterations in Sickel cell anemic subjects from Gadchiroli District, Maharashtra	International Conference on "Recent Trends in Science and Technology: Sustainable Development Through Scientific Approach" at Shri Shivaji Education Society's Science College, Nagpur	12,13, 14th July 2017.
18	Zoology	Dr. R.P. Joshi (Sawalkar) (3)	1. Haemolymph response in silkworm Bombyx mori, during infection with Grasserie.	Recent Trends in Science and Technology at Nagpur	12, 13, 14 <sup>th</sup> July 2017.
			2. Alterations in content of Alkaline Phosphatase and Acid Phosphatase in haemolymph and midgut tissue of the silkworm during Grasserie disease	"Recent Trends in Biotechnology and Biodiversity (NCBB-2017)" at Amravati	22-23 <sup>rd</sup> Sept. 2017
			3. Seasonal incidences of pathogenic disease Flacherie in silkworm Bombyx mori in Vidarbha region (Maharashtra)	National Seminar on Natural Heritage & Biodiversity, at Hislop College, Nagpur	Held on 17&18 <sup>th</sup> January 2018
19	Botany	Mrs. V.N. Badgujar (3)	1. Use of Natural Food Additives from Hydrocerus undates (dragon fruit) A Green step in Green Chemistry	National Conferences on Recent Advances in Chemical Sciences, Department of Chemistry and IQAC Shri Shivaji Science College Akola	26-27 Feb. 2018
			2. Study of Ethno medicinal plants used by tribals for hepatic diseases in west Vidarbha.	State level Seminar "Current Scenario of Botanical Research Organized Shri Shivaji Science College of Arts, Commerce and Science, Akola	2 Feb. 2018
			3. Use of Natural Food Additives from Hydrocerus Undates(dragon fruit)	National conference on Recent trends in Biotechnology and Biodiversity	22-23 Sept. 2017

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20	Botany	Mr. P.M. Khadse (4)	1. HPTLC finger print analysis and antioxidant activity of flavonopids fraction of Solanum melongena Linn. Fruit	State level seminar on Current Scenario of Botanical Research (SSCSBR-2018), Shri Shivaji College, Akola.	2 Feb. 2018
			2. Pharmacognostic studies on Acacia Arabica (Lamk.) willd analytical studies	National conference on recent trends in synthesis and characterization of futuristic material in sciences for the development of society- (NCRTFMDS-2018)	13 Jan. 2018
			3.HPTLC finger print analysis and antioixident activity of alkaloid fraction of Ziziphus mauritiana (Lam.) Fruit	National conference on Recent advances in chemical sciences held at Shri Shivaji College, Akola	26-27/2/ 2018
			4. Qualitative phytochemical analysis and pharmaco logical studies of Acacia Arabica (Lamk.) willd	International conference on Recent trends in science and technology, held at SSSKR. Innani Mahavidyalaya, Karanja (Lad), Dist. Washim	22-23 March 2018
21	Botany	Dr. A.A. Sangole (3)	1. Pollen histochemical analysis of GossypiumSp.	National Conferences on Recent Advances in Chemical Sciences, Department of Chemistry and IQAC Shri Shivaji Science College Akola	26-27 Feb. 2018
			2. Amino Acids Composition of Delonixregia pollen Grains	Department of Botany Sant Gadage Baba Amravati University Amravati XX National Conferences of Aerobiology-2018	29-31 Jan. 2018
			3. Pollen viability of selected varieties of GossypiumSpp	State level Seminar "Current Scenario of Botanical Research Organized Shri Shivaji Science College of Arts, Commerce and Science, Akola	2 Feb. 2018

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22	Botany	Mr. S.V. Madavi (4)	1. Weeds of Agriculture Fields in Kharip and Rabi Season and their control measures in Gadchiroli District of Maharashtra State, India	International Conference on Recent trends in Science and Technology, organized by S.S.S.K.R. Innani Mahavidyalaya Karanja (Lad), Dist. Washim.	22&23/03/2018
			2. Evaluation of Carbohydrates, Proteins and Vitamin C in ZiziphusMauritianaFruits	National Conference on recent advances in chemical sciences organized at Shri Shivaji College of Arts, Commerce and Science, Akola.	26-27 Feb. 2018
			3. Preliminary Survey of Common Weeds of Kharip and Rabi crop fields from Gadchiroli District of Maharashtra State and their possible control	State Level Seminar on "Current Scenario of Botanical Research" organized at Shri Shivaji College of Arts, Commerce and Science, Akola.	02 Feb. 2018
			4. Investigation of Rhizosphere Mycoflora From Some Members of Solanaceae Family	National Conference on recent trends in synthesis and characterization of futuristic material in Sciences for the development of society, Late B.S. Arts, Prof.N.G. Science & A.G. Commerce College, Sakharkherda, Dist. Buldhana.	13 Jan. 2018
23	Mathematics	Ms. S.B. Tadam (1)	Characterization of uniformly continuous Pseudo Metric space	Int. Conf. Recent Trends in Science and Technology, (ICRTST-2018) SSSKR Innani Mahavidyalaya, Karanja (Lad)	22-23 March 2018
24	Electronic	Mr. R.D. Chaudhari (1)	1. Personal Iris recognition using Neural network	International Conference on Advances in Sciences, Technology and Management, College of Engg. and Tech., Akola	10 Oct. 2017



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25	Computer	Prof. R.B. Ghayalkar (1)	"Use of Cloud computing in Education Field A Review"	Recent Trends in Science and Technology, SSSKR Innani Mahavidyalaya, Karanja	22-23 March 2018
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### 5. PARTICIPATION IN CONFERENCE / SEMINAR / WORKSHOP

Sr. No.	Department	Name of Participant	Theme & Place of Conference/seminar/workshops	Level : National/ State / District	Year/ Date
1	Chemistry	Dr. P.T. Agrawal	1. Workshop on 'NAAC-Accreditation and Assessment Process' Organized by B.G.E. Society, Akola	University Level	23 July 2017
2	Chemistry	Dr. P.P. Deohate	1. Workshop on 'NAAC-Accreditation and Assessment Process' Organized by B.G.E. Society, Akola	University Level	23 July 2017
3	Chemistry	Dr. P.R. Kawle	1. Workshop on 'NAAC-Accreditation and Assessment Process' Organized by B.G.E. Society, Akola	University Level	23 July 2017
4	Chemistry	Dr. K.M. Heda	1. Workshop on 'NAAC-Accreditation and Assessment Process' Organized by B.G.E. Society, Akola	University Level	23 July 2017
5	Chemistry	Dr. A.G. Sarap	1. Workshop on 'NAAC-Accreditation and Assessment Process' Organized by B.G.E. Society, Akola	University Level	23 July 2017
6	Microbiology	Dr. H.S Malpani	India International Science Festival organized by Govt. India, DST. VIBHA, Govt. of TamilNadu Anna University, Chennai, TamilNadu	International Level	2017
7	Microbiology	Ms. S.N. Gawande	Pursuing Research in New contexts at SGBAU, Amravati	University Level	2017
8	Physics	Dr. R.M. Agrawal	1. One day Workshop on National Assesment and Acreditation Council Process (NAAC)	University Level	23 July 2017
			2. International Conference "Applied Nanotechnology and Nanoscience". (ICANN-2017)	International Level	7-9 Dec. 2017
			3. Consultation Meet on Scouting of Suggestion on Draft of UGC Regulation – 2018.	University Level	27 Feb. 2018

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9	Physics	Mr. S.R. Jaiswal	National conference on Recent advance in chemical Science Shri Shivaji College of Arts, Commerce and Science, Akola (Abstract)	National Level	26-27 Feb. 2018
10	Zoology	Dr. S.M. Nagrale	Workshop on "NAAC Assessment and Accreditation Process" at Shri R.L.T.College of Science, Akola	University Level	23 July 2017
			Workshop on Melghat Forest Major	District Level	
11	Zoology	Dr. A.S. Sawarkar	Workshop on "Credit, Grade and Semester System Introduced by SGBAU and Maharashtra Public University Act, 2016" at Shri Shivaji College of Arts, Commerce & Science, Akola	University Level	22 July 2017
			Workshop on "NAAC Assessment and Accreditation Process" at Shri R.L.T. College of Science, Akola	University Level	23 July 2017
12	Zoology	Dr. S.R. Kohchale	One day Workshop on "NAAC Accreditation and Assessment." Shri R.L.T. College of Science, Akola	University Level	23 July 2017
13	Zoology	Dr. R.P. Joshi Sawalkar	1. 'Recent Advances in Chemical Sciences' at Shri Shivaji Science College, Akola.	National Conference	26 & 27 February 2018
			2. One day Workshop on "NAAC Accreditation and Assessment." At Shri R.L.T. College of Science, Akola.	University Level	23 July 2017
14	Botany	Ms. V.N. Badgujar	1. "NAAC Assessment and Accreditation Process" Berar General Education Society Shri R.L.T College of Science Akola	University Level	23 July 2017
			2. " Shewanti Lagvad va Savarrihan Karyashala"	Disrict	29 July 2017
15	Botany	Mr. P.M. Khadse	Recent trends in Biotechnology and Biodiversity, Shri Shivaji Science College, Amravati	National conference	22-23 Feb. 2018
16	Botany	Dr. A.A. Sangole	"NAAC Assessment & Accreditation Process" Berar General Education Society Shri R.L.T College of Science Akola	University Level	23 July 2017

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17	Botany	Mr. S.V. Madavi	1. One day Workshop on "NAAC Accreditation and Assessment." At Shri R.L.T. College of Science, Akola.	University Level	23 July 2017
			2. State Level Seminar on "Current Scenario of Botanical Research." At ShriShivaji College of Arts, Commerce and Science, Akola.	State	02 Feb 2018
			3. National conference on recent advances in chemical sciences. At Shri Shivaji College of Arts, Commerce and Science, Akola.	National	26 & 27 Feb. 2018
18	Electronic	Mr. R.D. Chaudhari	National Conference on Recent Innovations in Science and Engineering. College of Engg and Tech., Shegaon (MS) India	National	16 Sept 2017
19	Computer Science	Prof. R.B. Ghayalkar	1. One day Workshop on "NAAC Accreditation and Assessment." At Shri R.L.T. College of Science, Akola.	University Level	23 July 2017
			2. Recent Trends in Science and Technology, SSSKR Innani Mahavidyalaya Karanja (Lad)	International	22-23 March 2018

**6. AVISHKAR (RESEARCH FESTIVAL) : UNIVERSITY LEVEL PARTICIPATION**

Sr. No.	Name of Student	Category	Title of Project	Project Guide/ Supervisor	Date / Place
1.	Ms. Priya V. Wankhede	UG Pure Science	'Impact of idol immersion on water'	Dr. P.R. Kawle	S.G.B. Amravati University, Amravati (28-29 Dec. 2017)
2.	Ms. Shivani Tiwari	UG Medicine and Pharmacy	Extraction of Essential Oil from Orange peel	Mr. S.A. Toshniwal	
3	Ms. Apurva Shah	UG Medicine and Pharmacy	Antimicrobial activity of Cow urine against MDR strain	Dr. Harish Malpani	
4	Ms. Shruti Joshi	PG Humanites	AADHAR-India's unique innovation for robust Indian Economy		
5	Ms. Manisha Dhore	PG Agriculture & Animal Hsbandary	Composting of Nirmalya (flowers and leaves)		

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6	Ms. Shreya Relkar	Pure Science	Thalassemia		
7	Ms. Harsha Agarwal	Pure Science	Flower processing for Industrial Utilisation		
8	Ms. Mrunali Kashid	PG Humanites	Healing herbs and spices	Ms. S.N. Gawande	
9	Ms. Ruchita Dhole	PG Medicine and Pharmacy	Spices against MRSA	Ms. S.M. Morey	
10	Ms. Dnyaneshwari Hatolkar	PG Medicine and Pharmacy	Antibacterial activity of Aegle marmelos	Ms. S.M. Morey	
11	Ms. Varsha D.Yannevar	PG Agriculture & Animal Hsbandary	'Preparation of Herbal Tablets for food grain preservation.'	Dr. P.T. Agrawal	
12	Kanchan Mangtani	Humanities PG-M.Sc.II	A study of Self-Defense and Self-dependent: Problems of women in modern era.	Dr. R.D. Chandrawanshi	
13	Insiyah D. Vora	PG-Mngmt, Law Commc, M.Sc.II	Financial issues of non sufficient widows	Ms. S.B.Tadam	
14	Yash Vidyasagar	Engn & Techn UG- B.Sc.II	Robotic Arm controlled by hand gesture	Mr. Vidyasagar	

### 7. AVISHKAR (RESEARCH FESTIVAL) STATE LEVEL PARTICIPATION

Sr. No.	Name of Student	Category/ Class	Title of Project	Project Guide / Supervisor	Date / Place
1.	Ms. Priya V. Wankhede	UG-Pure Science B.Sc.III	'Impact of idol immersion on water'	Dr. P.R. Kawle	Mahatma Fule Agricultural University, Rahuri Ahmednagar. (15-17 Jan. 2018)
2.	Ms. Varsha D. Yannevar	PG-Agri & Animal Husbandry M.Sc.II	'Preparation of Herbal Tablets for food grain preservation.'	Dr. P.T. Agrawal	
3	Insiyah D. Vora	PG-Mngmt, Law Commc, M.Sc.II	Financial issues of non sufficient widows	Ms. S.B. Tadam	
4	Kanchan Mangtani	Humanities PG-M.Sc.II	A study of Self Defense and Self-dependent: Problems of women in modern era.	Dr. R.D. Chandrawanshi	

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**8. PH.D. WORK (REGISTERED / ONGOING / SUBMITTED / AWARDED)**

Sr. No.	Department	Name of Researcher	Title of Ph.D. Thesis	University	Project Guide/ Supervisor
1	Chemistry	<b>Ms. Ketki D. Bansod</b> (Submitted)	Synthesis of analogues of polar flavonoids isolated from some Phyllanthus plants and studies of their antioxidant properties (Thesis submitted on 17/4/2018)	S.G.B. Amravati University, Amravati	<b>Dr. P.P. Deohate</b>
2	Botany	<b>Mr. P.M. Khadse</b> (Submitted)	Phytochemical Analysis and Anatomical Study of Some Unknown Medicinal Plants Used In Diabetes. (Thesis submitted on 8/09/2017)	S.G.B. Amravati University, Amravati	<b>Dr. V.R. Deshmukh</b>
3	Botany	<b>Mr. S.V. Madavi</b> (Ongoing)	Estimation of Nutritive Index of Some Wild Vegetables Used By Tribes of Gadchiroli District of Maharashtra State, India. (Registered on 18/04/2017)	Gondwana University, Gadchiroli.	<b>Dr. Mohan B.Wadekar</b>
4	Mathematics	<b>Ms. S.B. Tadam</b> (Submitted)	Study of uniform continuous spaces and compactness related concept in uniform spaces and proximity spaces. (Thesis submitted)	S.G.B. Amravati University, Amravati	<b>Dr. S.M. Padhye</b>
5	Mathematics	<b>Mr. S.B. Khobragade</b>	Study of Cantor, Cantor like sets, their Dimensions and their Application	S.G.B. Amravati University, Amravati	<b>Dr. S.M. Padhye</b>
6	Mathematics	<b>Ms. P.P. Umalkar</b>	Study of Uniformizable Topological spaces and its relation to compactness in Uniform and Proximity spaces	S.G.B. Amravati University, Amravati	<b>Dr. S.M. Padhye</b>
7	Mathematics	<b>Ms. R.D. Nannaware</b>	Properties of Spectral operators on Different Linear spaces	S.G.B. Amravati University, Amravati	<b>Dr. S.M. Padhye</b>

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