

Shri Shivaji College of Arts, Commerce and Science, Akola
Departmental Profile
Dept. of Microbiology and Biotechnology

1. Name of the Dept. : Dept. of Microbiology and Biotechnology

2. Established in year

i) Dept. of Microbiology **U.G: 1983**
P.G: 1995
Research: 1998

ii) Dept. of Biotechnology **U.G: 2002**
Carrier oriented Programme
Certificate: 2006
Diploma: 2007
Advance Diploma: 2008

3. Details of the Staff Members:

i) Dept. of Microbiology

Sr. No	Name of the faculty	Educational qualification	Designation	Experience		Specialization
				Teaching	Research	
1	Dr. M. Musaddiq	M.Sc., Ph.D.	Reader and Head	26 years	22 years	Microbiology
2	Dr. (Mrs.) A. S. Pethe	M.Sc., Ph.D.	Lecturer	25 Years	20 years	Microbiology
3	Dr.(Mrs.) C. S. Ukesh	M.Sc., Ph.D.	Lecturer	23 Years	20 years	Microbiology
4	Mr.K.D. Kamble	M.Sc., NET	Lecturer	5Years	06 years	Microbiology

One post is vacant at present. Staff members are competent to carry teaching and research activities.

ii) Dept. of Biotechnology

Sr. No	Name of the faculty members	Educational Qualification	Designation	Experience		Specialization
				Teaching	Research	
1.	Dr M Musaddiq	M.Sc Ph.D	Coordinator	27 yrs	21 yrs	Microbiology
2.	Ashwini Patil	M.Sc	Fix pay	01 yrs	-	Biotechnology
3.	Rupali Katekar	M.Sc M.phil	CHB	03 yrs	-	Biotechnology
4.	Shraddha Deshmukh	M.Sc	CHB	04 yrs	-	Microbiology
5.	Richa Nebhani	M.Sc	CHB	01 yrs	-	Biotechnology
6.	Shweta Mishra	M.Sc	CHB	04 yrs	04 yrs	Microbiology
7.	Asim Sheikh	M.Sc	CHB	01 yrs	-	Microbiology
8.	Jyoti Anandani	M.Sc	CHB	04 yrs	-	Microbiology

4. Details of the Administrative / technical Staff Members:

	Microbiology	Biotechnology
Number of Technical Staff	01	01

5. Student Profile to Programmes:**Dept. of Microbiology**

Number of Teachers and Students:

Number of Teachers	04
	06 CHB / 1Fix Pay
Number of Students	UG-175
	PG-20

Ratio of Teachers to Students:

Ratio of Teachers to Students	UG-1:43
	PG-1:1

Course	Men	Women	Total	Demand Ratio
B. Sc.	72	103	175	1:3
M. Sc.	08	14	22	1:5
M. Phil. Open Uni. (YCMOU)	03	--	03	-
Ph.D. (SGB Amravati Uni.)	02	04	06	-
Ph.D, Open Uni. (YCMOU)	02	01	03	-

Dept. of Biotechnology:

Course	Men	Women	Total	Demand Ratio
B.Sc I	24	14	38	
B.Sc II	17	21	38	
B.Sc III	14	23	37	
Certificate	2	7	9	
Diploma	2	5	7	
Advanced Diploma	-	4	4	

6. Success Rate of Each Programme, Its Comparison with University Results, Merit List:**Dept. of Microbiology:**

The Success rate for the department is as follows:

Class	Year	Percentage of Passing	University Results
B.Sc I	2004-05	69.43%	38.12%
B.Sc II	2004-05	88.54%	47.72%
B.ScIII	2004-05	96.40%	51.13%
M.Sc I	2004-05	100%	97.2%
M.Sc II	2004-05	100%	100%
B.ScI	2005-06	70.0%	37.03%
B.Sc II	2005-06	56.30%	41.97%
B.ScIII	2005-06	96.80%	53.39%
M.Sc I	2005-06	100%	86.3%
M.Sc II	2005-06	100%	97.20%

B.ScI	2006-07	73.0%	35.22%
B.ScII	2006-07	75.3%	43.04%
B.ScIII	2006-07	94.0%	48.69%
M.Sc I	2006-07	100%	78.6%
M.Sc II	2006-07	100%	93.3%
B.ScI	2007-08	40.0%	35.05%
B.ScII	2007-08	53.0%	44.81%
B.ScIII	2007-08	80.5%	48.75%
M.Sc I	2007-08	100%	78.6%
M.Sc II	2007-08	100%	91.17%
B.ScI	2008-09	30.5%	31.70%
B.ScII	2008-09	80.5%	43.38%
B.ScIII	2008-09	85%	51.03%
M.Sc I	2008-09	100%	86.3%
M.Sc II	2008-09	100%	88.6%

- The success rate of SBG Amravati for B.Sc. Is 78 %, 73%, 78%, 61%, and 66% respectively
Thus the success rate of the department is quite high
- The success rare of P.G course in Microbiology is 100%, 90%, 100%, 100%, and 100% respectively for last five years, the results of our department are also higher.
- The dropout rate for PG is zero.
- List of M.Sc students who grab places in University merit list :

Sr.No.	Name of Student	Rank	Class	Session	Subject
1	Miss. Preeti Sharma	I	M.Sc.	2008-09	Microbiology
2	Miss.Ruchi Padiya	III	M.Sc.	2008-09	Microbiology
3	Miss. Minakshi A. Dhanokar.	III	M.Sc.	2007-08	Microbiology
4	Miss.Bhavana Gandhi	II	M.Sc.	2005-06	Microbiology
5	Miss.Nisha Khan	I	M.Sc.	2002-03	Microbiology
6	Miss.Smita Lanjewar	III	M.Sc.	2002-03	Microbiology
7	Miss.Swati Bipte	III	M.Sc.	1999-2000	Microbiology
8	Ku. Anshul Ashok Sarode	VII	B. Sc.	2003-04	Microbiology

Dept. of Biotechnology

Class	Year	Percentage of Passing	University Results
B.Sc I	2004-05	93.54%	38.12%
B.Sc II	2004-05	93.54%	47.72%
B.ScIII	2004-05	96.40%	51.13%
B.ScI	2005-06	89.30%	37.03%
B.Sc II	2005-06	77.50%	41.97%
B.ScIII	2005-06	96.80%	53.39%
B.ScI	2006-07	72.34%	35.22%
B.ScII	2006-07	80.95%	43.04%
B.ScIII	2006-07	100%	48.69%

B.ScI	2007-08	79.48%	35.05%
B.ScII	2007-08	82.86%	44.81%
B.ScIII	2007-08	95.58%	48.75%
B.ScI	2008-09	70.21%	31.70%
B.ScII	2008-09	83.33%	43.38%
B.ScIII	2008-09	97.15%	55.90%

7. Number of faculty members on University Bodies and other Academic Bodies and social organizations. Their role in Curriculum designing and College Development:

Dr.M.Musaddiq:

- Chairman, Board of studies in Biochemistry Including Microbiology and food Sciences. Since, Nov.2007, SGB Amravati University.
- Member, Academic Council, SGB Amravati University. Since, Nov.2007
- Member, Doctoral Research Committee, SGB Amravati University.
- Member, Board of studies in Microbiology, DSA Marathwada University, Aurangabad.
- Member, Board of studies in Bioinformatics (PG) From Nov.2007 to June 2009 SGB Amravati University.
- Member: Board of Studies in Biochemistry & Microbiology at Amravati University from April 1987
- Member faculty of Science Amravati University from April 1997 & from Aug. 2002.and from Nov. 2007.
- Life Member Association of Microbiologist of India.
- Life Member, Indian Association of Environmental Management.
- Life Member, Indian Science Congress Association.
- Life Member, Microbial Society of India.
- Member, Board of Studies of Paramedical Courses at Maharashtra State Board of Secondary & Higher Secondary Education, Pune. (April 1985 to April 1990).
- Chairman board of Studies, Biochemistry & Microbiology, Amravati University, and Amravati from 1993 to 1995.
- Member, Subject Examination Committee for Biochemistry & Microbiology at Amravati University, Amravati from 1993 to 1998.
- Life member, Indian Association of Aquatic Biologists.
- Life Member, Biotech Research Society of India.
- Life member of the Journal of Environment and Pollution.
- Life member of the Journal, Pollution Research.

8. Learning resources:

Department of Microbiology:

- The department has a departmental library with nearly 200 titles and about 1000 issues of 9 journals and Ph.D. thesis. Department has two PCs for the students with internet facility. There are separate well equipped laboratories for UG, PG and Research.

Department of Biotechnology

Laboratories: Well equipped lab, consist of Laminar air flow,tissue culture racks

Computers: No of Computers:-1
Facility Available From: 2005-06
Internet: Available

9. Enhancement of resources during last five years:

- New books have been purchased for the departmental library and new issues of the journals are received. New laboratory is constructed and a well furnished staff room is made available for the staff members. Department has also procured LCD projector. Few new instruments are also purchased. Several experts from other universities and national institutes have been invited to deliver special lectures for the students and staff.

10. Modern teaching methods in practice other than the lecture method:

- The faculty members have the modern teaching methods other than lecture method. Department has OHP and a LCD projector. Most of the faculty members are using these modern teaching aids for effective teaching. Some staff members prepare their lectures on power point presentation by downloading pictures and illustrations from internet.
- Seminars, assignment, project presentation, Group discussion etc are the general methods of student involved learning methods.

11. Faculty members participated in National / International Conferences / Workshops / Seminars etc.: List Enclosed

12. Department organized Seminars / Workshops and Conferences:

- Intercollegiate seminar competitions were arranged for the students of Microbiology, Biotechnology and Biochemistry on 17 Sept. 2006. In which 23 students has delivered seminar on applies microbiology.
- One day Students conference was organized on 15 Dec. 2007, by the department in which 232 students participated and to part in the deliberations. They were from affiliated colleges. A microbiological exhibition was also arranged on the occasion. Total 103 students participated in models, posters and etc presentation.

13. Evaluation Process:

- Through unit tests, practical tests, seminar, and personal observation regarding their academic performance, and terminal examination for yearly patterns students.

14. Participation of teachers in academic activities other than teaching and research:

- The teachers participate in co-curricular and extra circular activities of the college and worked in the organization committees of several activities like conferences, youth festivals and sport meets etc.
- Dr. M. Musaddiq is Chairman, Board of Studies of Biochemistry, Microbiology and Food Science, at SGB Amravati University and Member Academic Council and Co-opted member of Board of studies of Microbiology and Biotechnology at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. He is member of several committees of both the university. He is research guide and member Research Recognition Committee at Yashwantrao Chavan Open University, Nashik. Another staff member, Mrs. A. S. Pethe is also member of

board of studies of Biochemistry, Microbiology and Food Science, at SGB Amravati University.

- Dr. Mrs. C. S. Ukesh has worked as in charge of NNS activities for several years.
- Dr. M. Musaddiq is Member on editorial board of two national journals. Academic audit is an important activity of the college. Senior staff members help in it. All Staff members are the members of different committees of SGB Amravati University, like, Paper setting, Paper moderation, paper valuation, Practical examinations. All staff members are working as external examiners for practicals and paper setters at different universities. Dr. M. Musaddiq is Ph.D. referee at other universities.
- Number of faculty members are in University bodies / and other academic bodies and Social Organizations. They play an eminent role in curriculum Designing and College Development. Faculty members are also involved in valuation of UG papers in the subject Microbiology, Biotechnology, Food Science and Industrial Microbiology and PG Microbiology, paper setter and Moderator for UG and PG in Microbiology and Biotechnology, Food Science and Industrial Microbiology.

15. Research Activities of the Department: List Enclosed

- M.Sc / M.Phil Dessertations Annexure I
- P.hD thesis guided and students registered Annexure II
- Recognised Ph.D guides Annexure II
- Research Papers Published Annexure III
- Paper presented in Conferances Annexure IV
- Details of Minor/Major research projects Annexure V

16. Participation of the department in the extension activities.

- Dr. M. Musaddiq has delivered lectures at several UGC sponsored Orientation programmes and Refresher courses, at different Universities.
- Dr. M. Musaddiq has delivered lectures at different colleges and schools, especially on topics related to environmental awareness. Other staff members also are invited at various institutions time to time.
- Staff members visit the villages and train the villagers about environmental management, AIDS awareness, Plantation etc.
- Staff members of the department guide the students of several schools for their projects; two schools have participated at National Children's Science Congress.
- Blood grouping and Blood donation to needy persons.
- Science Projects of the following Schools were guided:
 - Bal Shivaji High School, Akola
 - Shivaji High School, Old city Branch, Akola
 - Joublee High School, Akola
- Staff members have guided B.E. Dissertation of Shri Shivaji College of Engineering and Technology, Akola on Alcohol production as Nonconventinal energy sources.

17. Participation of the department in the consultancy activities.

- Department has a consultancy programme of physicochemical and Bacteriological analysis of drinking water. Dept. has analyzed 850 samples during last five years.

- Dr. M. Musaddiq is advisor to State Pollution Control Board for Buldana and Akola Districts for water and waste water related technical advice.

18. Achievements of the students during last five years:

- PG Students of the department has presented the research papers at several national conferences.
- PG Students of the department has presented the research paper at the national conference on Modern Approaches and Innovations in Biotechnology and Biodiversity Conservation. Organized by Shri Shivaji Science College, Amravati, 28 – 30 Jan 2007 got the second prize for best poster presentation to Miss Supriya A. Avinash.
- First and second prize of best poster presentation was bagged by our students of M.Sc. II at national conference of Biotechnology at LAD College, Nagpur.
- Miss Smita Lanjewar received Rajiv Gandhi Fellowship for competition of Ph.D. from SC. Category, with a fellowship of Rs. 8000/- per month and contingency.
- Mr.R.B.Ingle and Miss Shweta Mishra had submitted their final synopsis and will soon submit their thesis.
- Miss.Priti Sharma and Mr.Asim Shaikh participated and were selected to represent our University in Awishkar 2008 held in Amravati University.
- Several pass out students had earned position of honour in firm with good repute.
- Several students had also embarked their presence in the University merit list.
- Department arranges summer training of PG students at Industries and Research Laboratories

19. Achievements of the staff members during last five years:

- Degree of Ph.D. in Microbiology was conferred to Dr. Mrs. Pethe by RTM Nagpur University.
- Paper Publications: Total 100 research papers have been published by the department till date in many national and international peer reviewed journals of good repute.
- Paper presentation: M.Sc. and research students and faculty members have presented research papers at several conferences.
- Several M.Sc students had completed dissertations.
- Newly appointed staff members have attended Orientation Programme and refresher course. All staff members has participated national and international conferences, workshops and seminars.
- Various academic and research related programmes have been attended by the faculty members and benefited for teaching and research activities.
- Mr.K.D.Kamble has submitted his P.hD thesis.

20. Plan of action of the department for next five years:

- Introduction of new courses like Carrier Oriented Programme in the field of Applied Microbiology, to fetch significant job avenues for the students and also involvement of the microbiology oriented industries in the departmental research activities.
- Increase the rate of PG and research students at various competitive examinations like NET, CSIR, UGC, GATE etc.
- Strengthen the existing research activities for the development of the region in collaboration with research originations and industries.

21. Important Alumni of Microbiology Department:

Sr.No.	Name	Designation
1	Nitin Sawant	Gene Therapy, Area Manager, US
2	Shafiqur Rehman	Deputy GM, Serum Product
3	Manzoor Khan	Production Manager, Masiha Pharma, Waluj
4	Mangesh Kolhatkar	Jyoti Chemporium, Akola.
5	Abrar Ali	Sr Executive Quality Control Officer, Saudi Arab Pharma
6	Vakil Ahamad	Sr Executive Quality Control Officer, Saudi Arab Pharma
7	M. N. Deshmukh	Asst. Production Manager, Food Industries
8	Mohd. Rizwan	Sr. Officer Quality Assurance Dept. Wockhardt Pharma, Aurangabad.
9	Sayed Rehman	Microbiologist, Wockhardt Reseach division, Aurangabad.
10	Anupama Banole	Liben Pharma, Akola
11	Farooqi	Genetrics Labotories, Banglore
12	Dr. Shilpa Joshi	Embryologist, Shukla Hospital, Akola
13	Dr. Anil Fokmare	Deputy General Manager, Goa
14	Vijay Modak	Lecturer, Dnyanopasak Mahavidyalay, Parbhani
15	Manoj Philips	Govt. Contractor, Akola
16	Yuvaraj Mohite	Biotech center, Parbhani
17	Sayed Asad	SRF, NCL, Pune
18	Azafat Kureshi	SRF, NCL, Pune
19	Imran Khan	CIPLA Pharma, Mumbai
20	Abujar	CIPLA Pharma, Mumbai
21	Ibrahim Khan	CIPLA Pharma, Mumbai
22	Dr. Mrs. Garge	Garge Pathology lab, Akola
23	Anjali Barde	ARI, Pune
24	Dr. D. D. Bhokare	Lecturer, R.C. Khandelwal college, Akola
25	Dr.Mrs.Aarti Deshpande	ad, Dept Microbiology, R.C. Khandelwal college, Akola
26	Dr. N. S. Kulkarni	Head Microbiology Dept., R. A. College, Washim.
27	Prashant Sarnaik	Akanksha Chemicals, Akola
28	Bharati Sable	Pathologist, Chandrapur
29	S. R. Deshmukh	Lecturer, Yashwant Mahavidyalaya, Nanded
30	Dr.Shradha Deshmukh	Lecturer, Medical College, LATUR
31	Mr. Dange	Lecturer,Institute of Biotech., Amt
32	Mr. Sandip Patil	Lecturer,Institute of Biotech., Amt
33	Ayaz Ahamad	Police Inspector, Balapur
34	Ram Tale	Public Correspondent, ETV Mararathi
35	Dr.Rizwan	RA, CDFD, Hydrabad.
36	Dr. N.M.Haq	Dean, JJ Hospital Mumbai.
37	Pranali Malode	Technitian, Govt.Hospital Akola.
38	Dr. Zenoddin	Prof. Dept.of Biochem. Kathmandu Medical college, Nepal.
39	Dr.Irshad Ahmed	Bacteriologist,Tuberculosis Research Centre, Muscat Oman.
40	Mr.Haresh Khiste	Microbiologist,Cipla Group of Industries,Mumbai
41	Mr.Sandip Ubale	Microbiologist,Chaitanya Group of Industries,Malkapur

42	Miss Swati Tale	Embryologist, Test tube Centre, Siddhi Vinayak Hospital, Akola
43	Mr. R. B. Ingle	Advisor, Aadicon Biotechnologies, Quatre bornes, Mauritius,
44	Mr. Asad Syed	SRF, National Chemical Laboratory
45	Mr. Ram Karale	Microbiologist, PureChem Pharmaceuticals, Ankaleshwar, Gujrat
46	Mr. Anand Gupta	G.E Money, Hyderabad
47	Mr. Kunal Rajput	National Institute of Virology, Pune
48	Dinesh Madhane	Area Manager, Glaxo.
49	Sayali A Kulkarni	SRF, CICR, Nagpur, Shankar Nager, Nagpur-400010 (Wardha Road, Panjari) (9763655303)
50	Mr. Manish Ahir	Ghulam Nabi Azad Arts, Commerce and Science College, Barshitakli, Akola. (9371041877)

22. Any Other highlights:

Participation of teachers in academic and personal counseling of students:

- All the teachers are actively participated in the academic activities and the students counseling. College runs the student guardian scheme. Each teacher is guardian teacher for about 10 to 20 student. They do the counseling of the respective group of students and solve their problems like release of scholarship, hostel problems and their academic progress. They call the parents and interact with them.
- Weak students in the class are identified and special counseling is done for such students.
- The meritorious student from each class is awarded. There are teacher sponsored awards for rank I, II and III student from each class and subject.
- The poor student fund is a teacher sponsored scheme which renders the help to poor students by providing uniforms, books and few cycles.

Collaboration with other departments and Institutions at the National and international level and outcome during the past five years:

1. Department has established collaboration with other departments of the college:

- With Biotechnology department in sharing the faculties, and research facilities like tissue culture lab. Etc.
- Chemistry Dept. in helping them in detection of Antimicrobial activities of their synthesized compounds and they help in detection of chemical composition of our research materials
- There is joint major research project of the department in collaboration with Botany department.

2. The department has established liaison for its research activities with:

- Dr. Panjabrao Agriculture University, Akola.,
- Maharashtra Hybrid Seed Corporation (Mahabeej), Akola
- Local Govt. Medical College, Akola,
- Centre for DNA Finger Printing, Hyderabad,
- Research Division of Wockdradt Pharmaceutical, Aurangabad.
- Aadicon Life Sciences Pvt. Ltd., Aurangabad. And their Biofertilizer plant At Bhalki, Dt. Bidar, (Karnataka)

- These organizations help us in research in use of sophisticated instruments, Identification of Cultures, DNA sequencing, providing technical advice to them. Student's training and providing employment to students.

3. Department has International collaboration with Aadicon Life Sciences Pvt. Ltd, Mauritius for technical advice.

4. Department is a component of international collaboration of Centre for DNA finger printing, Hyderabad a project of WHO, for isolation and providing cultures of Helecobacter and Mycobacterium.

Annexure I**Department of Microbiology****List of Dissertations of M.Sc II (Microbiology)**

Sr. No.	Name of students	Topic	Name of Guide	Session
1	Farhana Ali	Comparative analysis of physicochemical and bacteriological properties of Eutrophic and fresh water bodies.	Dr.M.Musaddiq	2008 – 09
2	Asim Sheikh	In-vitro assessment of cholic acid permeabilizing ability in combination with antibiotics to combat microbial resistance exhibited by biofilm producing bacteria	Dr. M. Musaddiq	2008 – 09
3	Snehal Nemade	Efficacy <i>Lactobacillus plantarum</i> to inhibit aerobic bacterial burn wound pathogens.	Dr. M. Musaddiq	2008 – 09
4	Kunal Rajput	Isolation of enteropathogenic bacteria from stool samples of diarrhea patients from Akola District.	Dr.A.R.Deshpande	2008 – 09
5	Nivedita Kulkarni	Production of tofu from glycine max (soybean) by microbial fermentation.	Dr.A.S.Pethe	2008 – 09
6	Dipali Paraskar	Isolation, characterization and comparison of root nodulation efficiency of various <i>Rhizobium</i> found in different regions of Akola District and developing <i>Rhizobium</i> based Biofertilizer.	Dr.V.D.Nanoty	2008 – 09
7	Prasad Deshmukh	Isolation of biosurfactant producing microorganisms from soil of Akola City.	Dr.D.N.Bhokare	2008 – 09
8	Sachin Dongre	Purification of Deoxyribonucleases obtained from soil isolates.	Mr.K.D.Kamble	2008 – 09
9	Ruchi Padiya	Bacteriocin: Active Centre Mapping through molecular modeling.	Dr.L.H.Kamble	2008 – 09
10	Preeti Sharma	Proteolytic activity of bacterial isolates using different proteinaceous compounds and their comparative account.	Dr.Y.A.Ali	2008 – 09
11	Sayali Kulkarni	In-silico study of binding characteristics of amoxicillin with peptide deformylase.	Dr.C.S.Ukesh	2008 – 09

Sr. No.	Name of students	Topic	Name of Guide	Session
1	Meenakshi Dhanokar	Characterization of <i>Methicillin resistant S.aureus</i> from Akola city.	Dr.M. Musaddiq	2007 – 08

2	Deepali Barate	MDR and protein structure prediction of <i>Candida albicans</i> and <i>Trichophyton rubrum</i> using online modeling resources.	Dr. C.S.Ukesh	2007 – 08
3	Pinali Mehta	Effect of mouthwashes and toothpastes against caries inducing <i>Streptococcus mutans</i> .	Dr.Y.A.Ali	2007 – 08
4	Poonam Khanzode	Studies on resistance pattern of clinical isolates from skin infections against beta lactam antibiotics.	Dr.V.D.Nanoty	2007 – 08
5	S.D.Chavan	Evidences of translocation of endophytic human pathogens in licopersicon growth via..geophonics.	Dr.N.S.Kulkarni	2007 – 08
6	Ram Karale	Antifungal activity of <i>Allium sativum</i> and <i>Asafoetida</i> against phytopathogens.	Dr.A.R.Deshpande	2007 – 08
7	Akil Shaikh	The influence of <i>Trichoderma</i> treatment on Soyabean crop growth and germination of seeds in-vitro.	Dr.D.N.Bhokare	2007 – 08
8	Preeti Kale	A comparative study of nuclease enzyme obtained from different soil isolates.	Mr.K.D.Kamble	2007 – 08
9	Nazneen Fatima	Prediction of protein structure	Dr.L.H.Kamble	2007 – 08
10	Madhuri Gaikwad	Effect of microwaves on high temperature tolerant bacteria.	Dr.A.S.Pethe	2007 – 08

Sr. No.	Name of students	Topic	Name of Guide	Session
1	Ashwini Sudke	Comparative prevalence study of <i>Helicobacter pylori</i> in goat and human stomach.	Dr.M. Musaddiq	2006 – 07
2	Sarika Kansare	Molecular phylogenetic analysis 16Sr RNA gene sequences of bacteria retrieved from public domains using molecular evolutionary genetic analysis tool.	Dr.M. Musaddiq	2006 – 07
3	Ganesh Tale	Utilization of oil seed cake combination for lipase production using Rhizomycofloral consortia.	Dr.N.S.Kulkarni	2006 – 07
4	Rajeshree Pajai	Effect of herbal extracts on clinical isolates of pyogenic wound.	Dr.V.D.Nanoty	2006 – 07
5	Sharda Rathod	Isolation of food spoilage causing organisms.	Dr.Y.A.Ali	2006 – 07

6	Kirti Wakode	Isolation of <i>Azotobacter</i> from field of Akola District and Studies on their viability in NADEP compost and vermicompost.	Dr.A.R.Deshpande	2006 – 07
7	Prashant Lande	Bacteriological analysis of Rhizospheric area from saline soil of Akola District.	Mr.A.G.Jadhao	2006 – 07
8	Supriya Avinash	Isolation and identification of nuclease producing bacteria from soil.	Mr.K.D.Kamble	2006 – 07
9	Suwarna Nimkale	Antibacterial activity of <i>Morinda tomentosa</i> and <i>Morinda citrifolia</i> (wild Indian Noni).	Dr.A.S.Pethe	2006 – 07
10	Rajesh Sharma	Evaluation of <i>Trichoderma</i> sps. for biocontrol potential and study of its cellulase activity.	Dr.D.N.Bhokare	2006 – 07

Sr. No.	Name of students	Topic	Name of Guide	Session
1	Shruti Paraskar	Pollution level of water at Akola city in extreme season.	Dr.M. Musaddiq	2005 – 06
2	Sneha Rathi	Antibacterial and antifungal activity of kalongi.	Dr.M. Musaddiq	2005 – 06
3	Ravindra Ingle	Comparision of superoxide dismutase gene in human parasites by using web based resources.	A.G.Jadhav	2005 – 06
4	Shilpa Umale	Antibacterial activity of Mahasudarshan churna.	Dr.A.R. Deshpande	2005 – 06
5	Amita Tawari	Antifungal activity of tea.	Dr.A.S.Pethe	2005 – 06
6	Sandip Ubale	Effect of cow urine distillate on few bacterial pathogens.	Dr.V.D.Nanoty	2005 – 06
7	Haresh Khiste	Effect of inoculation of PGPR strains of disease incidences and S.V.I.in mung.	N.S.Kulkarni	2005 – 06
8	Bhavana Gandhi	Search for efficient exonuclease producer fom soil.	Mr.K.D.Kamble	2005 – 06
9	Manish Ahir	Comparision of tandemly distributed sequnces in <i>Xanthomonas</i> sps.encoding a similar protein.	Dr.L.H.Kamble	2005 – 06
10	Vaishali Belekar	Isolation of earthy odour causing bacteria from soil.	Dr.Y.A.Ali	2005 – 06
11	Vrushali Kale	Antifungal and antibacterial activity of medicinal plants	Dr.C.S.Ukesh	2005 – 06

Sr. No.	Name of students	Topic	Name of Guide	Session
1	Abdullah Khan	Quality status of packaged drinking water.	Dr.M. Musaddiq	2004 – 05

2	Mirza Alim Baig	Preparation of soyayoghurt by using two thermophilic bacteria <i>Lactobacillus bulgaricus</i> and <i>S.thermophilus</i> .	Dr.A.S.Pethe	2004 – 05
3	Ravi Ingole	Comparative in-vitro evaluation of phosphate solubilizing potential of phosphate solubilizing bacteria and commercial P-bioinoculants.	Dr. N.S.Kulkarni	2004 – 05
4	Pooja Lulla	Studies on antimicrobial properties of <i>Sphaeranthus indicus</i> .	Dr.A.R.Deshpande	2004 – 05
5	Yuvraj Mohite	Antimicrobial activity of <i>Argemona mexicana</i> .	Dr.A.S.Pethe	2004 – 05
6	Prajakta Bijwe	Studies on pathogenic isolates from paediatric patients with acute diarrhoeal disease.	Dr.V.D.Nanoty	2004 – 05
7	Pooja Nebhnani	Incidence of Dermatophytes in and around Akola city of Maharashtra and antifungal activity of <i>Pongamia pinnata</i> against mycotic infections.	Dr.C.S.Ukesh	2004 – 05
8	Vaishali Chede	Isolation of Halophiles from saline belt in and around Akola.	Dr.Y.A.Ali	2004 – 05
9	Amol Tatiya	Search for resistant markers in <i>Salmonella</i> sps.with the aid of bioinformatics.	Dr.L.H.Kamble	2004 – 05

Sr. No.	Name of students	Topic	Name of Guide	Session
1	Leena Purohit	Study of air flora of Akola city.	Dr.M. Musaddiq	2003 – 04
2	Imran Khan	Development of web based object oriented in silico epidemiological database system for <i>Helicobacter pylori</i> associated with gastric disorders.	Dr.M. Musaddiq	2003 – 04
3	Megha Shankarwar	Microbial quality of Indian fermented food products.	Dr.M. Musaddiq	2003 – 04
4	Irshad Ahmed	Use of <i>E.coli</i> in dehairing of animals skin during leather processing :identification and cloning of responsible genes.	Dr.M. Musaddiq	2003 – 04
5	Shweta Mishra	Cholic acid induced potentiation on antibacterial activity of antibiotics against drug resistant <i>Staphylococcus aureus</i> .	Dr.N.S.Kulkarni	2003 – 04
6	Seema Khandare	Studies on chlorine and antibiotic resistance in coliforms isolated from drinking water from various public places in Akola District.	Dr.V.D.Nanoty	2003 – 04
7	Padmini Parmar	Antimicrobial activity of <i>Karkatshringi</i> .	Dr.A.R.Deshpande	2003 – 04
8	Anand Gupta	Growth kinetics and fermentation of two	Dr.A.S.Pethe	2003 – 04

		<i>Bacillus thuriengensis</i> strains.		
9	Puja Sharma	Effect of mildew proof and bacteriostatic finishing on tensile strength of cotton textile.	Dr.A.S.Pethe	2003 – 04
10	Tina Sharma	To study the effect of chemical and biofertilizers on growth and protein concentration of fifteen days old soyabean and wheat plant.	Dr.Y.A.Ali	2003 – 04
11	Pranali Malode	Incidence of pathogenic yeast from nose and urine samples.	Dr.C.S.Ukesh	2003 – 04

Sr. No.	Name of students	Topic	Name of Guide	Session
1	Sharda Datkar	Microbial quality of ice and their products.	Dr. M. Musaddiq	2002 – 03
2	Nisha Khan	Studies on microbial quality of market fast foods.	Dr. M. Musaddiq	2002 – 03
3	Asad Syed	Ground water survey of saline belt area of Akola district.	Dr. M. Musaddiq	2002 – 03
4	Smita Lanjewar	Antifungal activity of certain plant extracts against <i>Fusarium oxysporum</i> species.	Dr.A.R.Deshpande	2002 – 03
5	Sandeep Raut	Effect of ultrasonic vibrations on vegetative cells and spore form of bacteria from milk and cold drink.	Dr.A.S.Pethe	2002 – 03
6	Vaishali Domle	Microbiological studies on nosocomial infection in hospital.	Dr.V.D.Nanoty	2002 – 03
7	Sarita Gupta	Isolation and characterization of <i>Bacillus thurengiensis</i> strains from ecosystem of Central India.	Dr.A.S.Pethe	2002 – 03
8	Deepa Patil	Antibacterial activity of some medicinal plants.	Dr.A.R.Deshpande	2002 – 03
9	Smita Patel	Effect of wheat straw amendment on soil microbial population in relation to crop growth response of wheat C.V.Lok.1.	Dr. N.S.Kulkarni	2002 – 03
10	Abhiruchi Netke	To study the antibiotic resistance pattern of Urinary tract isolates from Akola city.	Dr.Y.A.Ali	2002 – 03
11	Vijaya Pande	Incidence of <i>Cryptococcus</i> and other pathogenic yeast from CSF of patients from Akola city of Maharashtra.	Dr.C.S.Ukesh	2002 – 03

Sr. No.	Name of students	Topic	Name of Guide	Session
1	Rizwan Ahmed Khan	Ecosystem of Lonar lake.	Dr.M. Musaddiq	2001 – 02
2	Vishnupriya	Impact of industrial effluent on Akola	Dr.M. Musaddiq	2001 – 02

	Khan	ecosystem.		
3	Anjali Barde	Comparative toxicity of heavy metals tolerant bacteria from water bodies.	Dr.M. Musaddiq	2001 – 02
4	Anand Kharat	Antifungal activity of some plant extract.	Dr.A.R. Deshpande	2001 – 02
5	Disha Sehgal	Media formulations for <i>Bacillus thurengiensis</i> .	Dr.A.S.Pethe	2001 – 02
6	Manisha Ahale	Microbiological studies on air in hospital environment.	Dr.V.D.Nanoty	2001 – 02
7	Dipali Ghai	Chromogenic bacteria and antibacterial activity of their pigment.	Dr.A.S.Pethe	2001 – 02
8	Megha Tathod	Antibacterial activity of <i>Syzygium cumini</i> and <i>Terminalia chebula</i> plant extract.	Dr.A.R.Deshpande	2001 – 02
9	Abuzar S M Haroon	Effect of immersion treatment in reduction of Salmonella species from cut-up chickens.	Dr. N.S.Kulkarni	2001 – 02
10	Shubhangi Morey	Isolation of nicotine utilizing bacteria from mouth of tobacco chewers.	Dr.Y.A.Ali	2001 – 02
11	Ibrahim Khan	Incidence of dermatophytes in Akola city of Maharashtra.	Dr.C.S.Ukesh	2001 – 02

Sr. No	Name of students	Topic	Name of Guide	Session
1	Monica Dubey	Bacteriological status of drinking water from Akola city of Maharashtra.	Dr. M. Musaddiq	2000 – 01
2	Tejaswini Purushottam	Physicochemical and bacteriological analysis of ground water.	Dr. M. Musaddiq	2000 – 01
3	Rabiya Farooqui	Studies on rapid degradation of agricultural waste by mixed culture and possible utility of degraded material.	Dr. N.S.Kulkarni	2000 – 01
4	Smita Rathod	Antimicrobial activity of certain plant extracts.	Dr.A.R.Deshpande	2000 – 01
5	Anuja Tolmare	Studies on thermophilic and thermoduric microorganisms in milk.	Dr.A.S.Pethe	2000 – 01
6	Priti Vyawhare	Studies on pathogenic isolates from hospital waste.	Dr.V.D.Nanoty	2000 – 01
7	Monika Jain	Studies on cotton fabric deteriorating microorganisms.	Dr.A.S.Pethe	2000 – 01
8	Anupama Banole	Antibiotic resistance pattern of clinical isolates of Staphylococci.	Dr.A.R.Deshpande	2000 – 01
9	Jayashree Rathi	Incidence and drug sensitivity of Candida.	Dr.C.S.Ukesh	2000 – 01
10	Shruti Saoji	To study antibacterial activity of garlic(<i>Allium sativum</i>).	Dr.Y.A.Ali	2000 – 01

Guided 3 students for Dissertation of M. Phil.:

Sr. No	Name of students	Topic	Name of Guide	Session
1	Prasanna L.Kulkarni	'Bacteriological analysis of readily available drinking water from Akola city. Annamalai University .	Dr.M. Musaddiq	2007
2	Mr.G.N.Budhlani	Try out of the resource material for the mpracticals of B. Sc. I st year Microbiology and to test its efficiency.	Dr.M. Musaddiq	2007
3	Anand Kharat	Bacteriological aspects of pollution and suggestive approaches to control pollution. YCMOU Nashik 2007.	Dr.M. Musaddiq	2007

Annexure II**List of Ph.D Awardees**

Sr. No.	Names	Title of thesis	Year	Guide
1	Dr. Anil K. Fokmare	“Studies on Physiochemical response of microorganisms to water pollutants.”	2004	Dr.M. Musaddiq
2	Dr.Aarti Deshpande	“ Studies on the Antimicrobial properties of some medicinal plants found in and around, Akola”	2005	Dr.M. Musaddiq
3	Dr. Shilpa Joshi	“ Comparative studies on incidences of Salmonellosis in and around Akola, and suggestive methods to control”	2005	Dr.M. Musaddiq
4	Miss. Swati Bipte	“ Studies on microbicodal properties of some plants for management of plant pathogens”	2005	Dr.M. Musaddiq
6	Dr.K.Kusuma Kumari	“ Formulation of suitable media for the better production of insecticidal protein from recombinant <i>E. coli</i> having <i>B.thurengensis cry</i> protein”	2007	Dr.M. Musaddiq
7	Mr.Irshad Ahmed	“Molecular genetic analysis of the chromosomal plasticity region of the gastric pathogen <i>Helicobacter pylori</i> ”	2007	Dr.M. Musaddiq
8	Miss.Smita Lanjewar	“Characterization, purification and toxicity Studied of the insecticidal complex produced by <i>Photorhabdus luminance</i> ”	2007	Dr.M. Musaddiq

Following students have submitted Ph.D thesis:

Sr. No.	Name	Title of thesis	Year	Guide
1	Kapil.D. Kamble,	“Study of Nuclease producing bacteria”	w.e.f. 15/7/2006	Dr.M. Musaddiq

Students currently working in the Department for Ph.D Degree

Sr. No	Names	Title of thesis	Year	Guide
1	Ajay G. Jadhav	“Studies of halophiles from Akola District.”.	w.e.f. 15/7/2006	Dr.M. Musaddiq
2	Ravindra Ingle,	“Study of Methicillin resistant <i>Staphylococcus aureus</i> (MRSA) from high-risk patients of Akola region and their in vitro activities against bioactive compounds.”	w.e.f. 15/7/2006,	Dr.M. Musaddiq
3	Ms.Aarti Kulkarni	“Isolation study and characterization of <i>Bacillus thurengensis</i> .from soil.”	w.e.f. 15/7/2006	Dr.M. Musaddiq
4	Miss.Shweta Mishra	“Search for alternative remedy to fight against predominant burn infectious pathogens”.	w.e.f. 15/7/2007	Dr.M. Musaddiq
5	Miss.Vertika Shrivastava	“ Antibacterial activities of spices”	w.e.f. 15/7/2007	Dr.M. Musaddiq

Recognized Ph.D Guides:

Sr.No.	Name of the Faculties	Designation	Qualification	Experience
1	Dr. M. Musaddiq	Reader and Head	M.Sc,Ph.D	26 years
2	Dr. A. S. Pethe	Lecturer	M.Sc,Ph.D	25 years
3	Dr. C. S. Ukesh	Lecturer	M.Sc,Ph.D	23 years

Annexure IV

Papers Presented in conferences:

Dr.M.Musaddiq:

1. Participated in International Workshop on “Biodeterioration of ancient stone work” organized by Govt. College, Aurangabad from Oct. 15 to Dec. 4, 1985.
2. Participated in First Workshop on Environmental Biopollution at Marathwada University, Aurangabad from Sept. 29th Oct. 8 1986.
3. Participated in 27th Annual Conference of Association of Microbiologist of India, at Nagpur University, Nagpur, Dec. 20 to 22, 1986.
4. Participated in 28th Annual Conference of Association of Microbiologists of India at University of Poona, Pune, Jan. 16-18, 1988.
5. Participated at Orientation Programme on “Vocationalisation of Education”, Organised by N.E.E.R.I. and Govt of Maharashtra at Nagpur, Jan. 5 to 8 1988.
6. Participated in Annual Conference-1989, of Indian Association for Environmental Management, held at I.I.T. Knapur, Nov. 10 –12,1989.
7. Participated in 30th Annual Conference of Association of Microbiologist of India at Annamalai University, Annamalainagar Jan. 9 to 11, 1990.
8. Presented a paper entitled “Synthesis and Antibacterial, Antifungal activities of 4-aryl-3-arylimino 5 – imino – 1, 2,4- thiadiazolidines and N – phenyl o – alkyl carbamates”, at 78th session of the Indian Science Congress at Indore, Jan. 6 to 8, 1991.
9. Participated in the Symposium on “Popularizing bio-technological processes for rural and semi-urban areas”, organized by P.G. Dept. of Microbiology and biochemistry at Nagpur University, Nagpur. Feb7 to 9, 1991.
10. Presented a paper entitled “Some Microorganisms responsible for Environmental Biopollution – A case study of Bore-well water”. At 79th Session of the Indian Science Congress at M.S. University, Baroda Jan. 3 to 8, 1992.
11. Participated at 33rd Annual Conference of Association of Microbiologist of India, organized by Dept. of Microbiology, Goa University, Goa, Nov. 5 – 7, 1992.
12. Presented a paper entitled “Aeroflora of Akola” at 45th Annual Meet of Indian Phytopathological Society at Punjabrao Krishi Vidyapeeth, Akola, Jan.18-21, 1993.
13. Participated and presented paper entitled, “Phytopathogenic study of different varieties of cotton and their resistance to atteharria leaf blight of Indian Phytopathological Society Wetern Zone meet, 18th Jan. 1993, Abstract No.3,pp. 1
14. Presented a paper entitled “How safe our drinking water is?” at Conf. On recent trends I Botany at Amravati University, Amravati. 6 to 8 Dec. 1993 Ab. No. 134, pp. 61.
15. Participated and presented a paper entitled “An alternative of prevention of the Septicemia of Cord in impacts caused by Staphylococcus aurens, at 36th annual conf. Of Asso, of Microbiol. Of India at Hissar (8-10 Nov. 95).
16. Participated and presented a paper entitled “Study of textile deteriorating microorganism and effect of their enzymes on tensile strength.” 37th annual conference of the Association of Microbiologist of India, at Indian Institute of Technology, Chennai (Dec. 4-6-1966).
17. Presented following paper at International Conf. On Environment and Agriculture (Nov. 1-3, 1998) at Kathmandu, Nepal.
 - a. “Ground Water quality of Akola District in Maharashtra”
 - b. Drinking Water Pollution in rural Maharashtra Bacteriological Profile.

- c. "Water quality of Morna river at Akola"
 - d. Effect of bio-inoculation as influenced by fertilizers on seed germination of corn crops".
18. Participated & presented a paper "Environmental Education – For Wetland Conservation at National Conference cum Workshop on "Wetland Conservation" organized by Indian Association of Aquatic Biologists at R. A. College, Washim 23rd to 25th Oct. 1999.
19. Presented following papers at 40th Annual Conference of AMI at CIFA, Bhubaneswar 29 Nov. to 11 Dec. 1999.
- a) "Studies on biocontrol competence in Rhizosphere,
 - b) "Ground water quality of "Khazana well" at Beed Dist. Marathwada".
 - c) "Ground Water Quality – A case study of Akola"
20. Participated in One Day Conference of Amravati University Lady teacher's Association at Shri Shivaji College, Akola, Jan 3, 2001.
21. Presented following research papers at 88th session of Indian Science Congress at IARI New-Delhi, Jan 3-7-2001. "Comparative studies of physicochemical and bacteriological quality of Surface and Ground water.
22. Participated at 42nd Annual Conference of Association of Microbiologists of India at Gulbarga University, 9-11 Nov, 2001 and presented the following papers.
- a) "Ecosystem of Lonar Lake"
 - b) "Comparative toxicity of heavy metals to bacteria from water bodies."
 - c) "Antimicrobial activities of six angiospermic plants."
 - d) "Antibiotic resistance pattern of some clinical isolates of *Staphylococci* from Akola."
 - e) "Studies on distribution of *E.coli* and *Salmonella sp* in drinking water".
 - f) "Studies of Antibacterial activities of *Azadirachta Indica* L on certain foliar pathogens".
 - g) "Studies on rapid degradation of organic farm wastes using composite microbial culture and possible utility of degraded material".
 - h) "Studies of pathogenic isolates from hospital waste."
 - i) "Antibacterial activities to garlic against *Staphylococcus aureus* and *E. coli*
23. Participated in International conference of SAARC Countries on "Biotechnology in Agriculture, Industry and environment" 28-30 December 2001 Karad (Maharashtra) and presented following papers.
- a) "Bacterial Contamination of Ground and Surface water in and around Akola".
 - b) Impact of industrial effluent to Akola ecosystem.
 - c) "Occurrence of *Salmonella sp* in some commonly used salads".
 - d) "Effect of emmersion treatment in reduction of *Salmonella* from cut-up chicken".
 - e) "Microbiological studies on air in hospital environment."
 - f) "Isolation of Nicotine utilizing bacteria from the mouth of tobacco chewers".
 - g) "Effect of autoclaved and unautoclaved extracts on growth parameters of tomato".
 - h) "Incidences of Candidiasis in and around Akola city of Maharashtra".
24. Presented the following papers at 89th session of Indian Science Congress at Lucknow, January 3-7, 2002.

- a) “Bacteriological status of drinking water in Akola city of Maharashtra.”
 - b) “Antibacterial activities of some Angiospermic plant”.
 - c) “On Glucosyl thioureides, Synthesis, Antibacterial and Antifungal studies of certain 2-5 tetra – 0-beneyl-D-glucogranasul-1, 5-disnbtitnted 2,4, isodithisbnrets.
25. Participated at NAAC sponsored state level one day workshop on “Quality education NAAC Perospective” at V. G. Vaze College, Mumbai, on 2nd February 2002.
 26. Participated at NAAC-Seminar, sponsored by Dept. of Education, Govt. of Maharashtra & Mulje Mahavidyalaya, Darwa, Dist. Yawatmal.
 27. Participated and presented following paper at 45th Annual Conference of Association of Microbiologists of India, held at Department of Microbiology CCS Haryana Agriculture Uni. Hisar, 11-13th Dec. 2002.
 - a. “Effect of Plant extract on seed germination and crop growth rate of cereal crops. AM 20, pp 18.
 - b. Effect of wheat husk amendment on soil microbial population in relation to crop growth response of wheat C. V. Lok 1 AM21, pp 19.
 - c. “Study of antibiotic resistance pattern of urinary tract isolates from Akola city MUM-2, pp. 63.
 - d. “Determination of Water Quality Index (WQI) of a surface water sources of Akola city of Maharshtra, MUM – 7, pp.65. “Therapeutic uses of ‘Miracle Water’ MUM – 15, 68.
 - e. ‘Microbial quality of ice samples and their products of Akola city of Maharashtra, MUM –16, pp 68.
 - f. ‘Studies on microbial quality of market fast food sales, at Akola city of Maharashtra. MUM-17 pp-69.
 - g. ‘Microbial Studies on nosocornial infections in hospital ‘MUM – 18, pp-69.
 - h. ‘Antifungal activity of some medicinal plants against two phytopathogenic fungi BC-22, pp.175.
 - i. ‘Antibacterial activity of some medicinal plants’ BC-23, pp 175.
 28. Participated at 90th Session of Indian Science Congress at Indian Institute of Science, Bangalore 3-7 Jan. 2003 and presented a paper entitled “Water Quality Index (WQI) of Morna’.
 29. Participated at National Conference on Ethanobotany, Biodiversify and Conservation, Organised by Shri Shivaji College, Akola, from 18th to 19th Jan. 2003.
 - a. ‘Effect of Plant extract on seed germination and crop growth rate of crops in Vidharbha region’. Pp-14.
 - b. ‘Evaluation of some plant extracts for their antifungal activity against *Fusarium oxysporium*, pp. 16.
 - c. ‘Investigation on the antibacterial properties of some medicinal plants pp- 17.
 - d. ‘A Survey of market fast foods for their potability in Akola city of Maharashtra’ pp 18.
 - e. ‘Physiological responses of some bacteria to Chromium from water bodies,pp. 37.

30. Participated at Workshop for Principals of Affiliated colleges of Amravati University at RDG College, Akola Organized by Amravati University, on 14 June 2003.
31. Participated at National workshop on 'Municipal Solid waste management, Amravati University, Amravati, July 25-26 (2003) and presented paper.
32. Presented the following papers at 44th annual conference of Association of Microbiologist of India, Nov. 12-14 (2003). Organized by Dharwad University, Dharwad.
 - a) 'Studies on Cholic acid induced potential of antibacterial activity of antibiotics against drug resistant *S. aureus*'.
 - b) 'Study of the air flora of Akola.
 - c) 'Physiological responses of *B. cereus* to heavy metals from water bodies'.
 - d) 'Microbial quality of Indian fermented food products'.
 - e) 'Antimicrobial activity of Karakatshingi'.
 - f) 'Antibacterial activity of some plants form Gullarghat forest'.
 - g) 'Studies on antibiotic & Chlorine resistance in coliform isolated from drinking water from various public places.'
33. Participated at National Symposium on drug design and bioinformatics (DDB-03) organized by P.G. teaching Dept. of Biochemistry, Nagpur University 20 Dec. 2003.
34. Participated and presented following papers at 91th session of Indian science congress at Punjab University, Chandigarh Jan 3- 7 (2004)
 - a) 'Physiological response of water pollution to microflora of water'.
 - b) 'Surface and ground water flora of Akola'.
35. Participated at NAAC sponsored National Conference on Post Accreditation Initiatives Best Practices in Higher education organized by K.J. Somaiya College of Science and Commerce, Mumbai 24th and 25th Sept 2004 and presented a paper entitled environmental education Today and Tomorrow.
36. Participated at UGC sponsored on University Level one day work shop on constants of new UGC syllabus at Shri Shivaji Education Society's Shri Shivaji College of Arts & Science, Chikhali, Dist. Buldhana Oct. 16th , 2004
37. Participated at University Level One Day workshop on "Post Accreditation Policy Planning" , Organised by Vidya Bharat Mahavidyalaya Amravati October23, 2004.
38. Participated at National symposium on Development in Biotechnology, Emerging trends and Challenges and First BRSI convention, organized jointly by North Maharashtra University, Jalgaon and Biotech Research Society of India, Nov 25 – 27, 2004 and presented the following research papers.
 - a) Levels of ammonia and phosphates as indicators of organic pollution of Morna rivers at Akola district of Maharashtra
 - b) Quality status of packaged drinking water.
 - c) Comparative inovits evaluation of phosphate solubilizing potential of nature PSB and commercial P-bioinoculants.
 - d) Antifungal activity of some medicinal plants.
 - e) Studies on pathogenic isolates from Rediatirc patients with acute diarrhoeal disease.
 - f) Isolation halophytes from saline belt in and around Akola.

39. Presented a paper entitled 'Search for resistance Markers in Salmonella sp with the aid of Bioinformatics' at 92 th session of Indian Science congress at Ahmedabad, Jr. 3-7 (2005)
40. Presented following papers at International Conference on 'Modern trends in plant science with special reference to the role of biodiversity in conservation ICPSBC – 05, 17th –20th Feb, 2005, Amravati University, Amravati.
 - a) Studies on the antibacterial properties of *Abrus Precatorins* and *Embllica officinalis*.
 - b) Antimicrobial activity of Medicinal Plants *Sphaeranthus indicus*.
41. Participated and presented a paper entitled 'Consortium for Academic Excellence,' at National Conference on 'Post NAAC accreditation initiatives for quality enhancement in higher education by science college, Nagpur, 21st and 22nd March 2005.
42. Participated and presented a paper at 'MicroBiotech-2005' annual Conference of association of microbiologist of India. Organised by Osmania University , Hyderabad,8-10 Dec.2005
43. Participated at National Conference on 'Quality in higher education.'" Organised by L.R.T. College Akola 15 and 16 Jan 2006.
44. Participated at state level Conference on NAAC organized by Y.C.M.O.U. Nashik-27 Jan 2006
45. Participated and presented a paper entitled, 'Research achievements- A success story of Shri Shivaji College, Akola'. At State level seminar on 'Quality Enhancement Initiatives through Internal Quality Assessment Cell (IQAC), Organised by University of Mumbai and Ghanshayamdas Saraf Girls College, Malad, Mumbai. 21 July.2006.
46. Participated at University level Conference on Problems of farmers from Vidharba. Organised by Shri Shivaji College, Akola. 7th Dec.
47. Participated at National Conference on Student's participation in Quality Enhancement in Higher education, Organised by Science College, Nagpur on 22 to 23 Dec.2006 and presented paper on 'University teaching pattern and employmentability.'
48. Participated at One-day conference of Lady Teachers Association of Amravati University, Organised by Shri Shivaji College, Akola, 3rd Jan. 2007.
49. Presented the following research papers at National Conference on Emerging Trends in Medicinal Plants and their Biotechnological Advances, Organised by Dept. of Biotechnology Dr. Ambedkar College, Nagpur, 5th & 6th Jan. 2007.
 - a) In-vitro activities of *Azadriachta indica* (Neem) extracts against the clinical isolates of *Neisseria meningitides*.
 - b) In-vitro activities of *Azadriachta indica* (Neem) extracts against the isolates of *Neisseria meningitides*.
50. Participated and presented following 13 research papers at National Conference on Modern Approaches and Innovations in Biotechnology and Biodiversity Conservation. Organised by Shri Shivaji Science College, Amravati, 28 – 30 Jan 2007.
 - a) *Helicobacter pylori* infection, interlinking 1B polymorphism, and Indians: Where do we stand?
 - b) Utilization of oil seed cakes blend for lipase production using Rhizomycoflora consortia.
 - c) Comparative in-silico analysis analysis of the conserved region gene 16s RNA from different bacteria.
 - d) Studies of different herbal extracts on *Staphylococcus aureus* isolated from pyogenic wounds.
 - e) Microbial analysis of rhizosphere of several crop plants from saline soil of Akola.

- f) Studies on antibacterial activities of spices.
 - g) Screening of antibacterial activity of several plant extracts against pyogenic bacteria
 - h) Isolation and identification of extracellular nuclease producers from soil samples.
 - i) Evaluation of *Trichoderma* species for biocontrol potential and study the beneficial activities
 - j) Studies on stability of *Azotobacter* strains in nadep compos vermicompost.
 - k) Pathogenesis of *Photobacterium luminescens* against diamond black moth, *Plutella xylostella* (L).
 - l) Cholic acid induced potentiation of antibacterial activity of antibiotics against drug resistant clinical isolates.
 - m) *Helicobacters* are less prevalent in the stomach of goats : Man is a good host for the bug.
51. Participated at State level Conference of Environmental Awareness Jointly organized by TREE (team to restore entire environment) and Shri Shivaji College, Akola on 4th Feb. 2007.
 52. Participated and presented an invited talk on 'Biological Control of Paste.' at State level Seminar on Recent Trends In Microbial Biotechnology organized by R. C. Patel College of Arts, Commerce and Science, Shripur. 7th and 8th Feb. 2007.
 53. Participated and presented an invited talk on 'Challenges of Biotechnology' at National seminar on Emerging trends at the Interface of Biotechnology, organized by Dept. of Microbiology PSGVP Mandal's SI Patil , GB Patel Science and STSKVS Commerce college, Shahada, Dt. Nandurbar. 17,18 Feb.2007.
 54. Participated and presented paper at NAAC sponsored state level conference on "teaching – learning process" organized by S.P.College Pune,29th Nov. to 1st Dec.2007.
 55. Presented 7 Research papers at State Level, Seminar organized by LAD College, Nagpur, 31 Nov. to 1 Dec, 2007as follows;
 - a) Effect of *Allum sativum* and *Asafoetida northax* on phytopathogenic fungi.
 - b) Evidences of translocation of Endophytic Human pathogens in *Licopersicon* (L) grown via geophonics.
 - c) Prevalence of Methicillin Resistant *Staphylococcus aureus* (MRSA) from Akola.
 - d) Studies on Pattern of clinical isolates from skin infections against Beta lactum antibiotics.
 - e) Effects of mouthwashes and Toothpastes against caries inducing *Streptococcus* mutants.
 - f) A comparative study of nuclease enzyme obtained from different soil isolates.
 - g) Effects of *Trichoderma* on germination of seeds and growth of Soybean crop.
 56. Participated and presented paper at 95th Indian Science Congress organized by Andhra University, Vishakhapatanam, Jan. 3 to 7, 2008.
 - a) Studies on different Plant extracts on Antibiotic resistance strain of *Staphylococcus (MRSA)*.
 - b) Morphological and Biochemical characterization of Nuclease producing bacteria from soil of Akola district.
 - c) Search for Alternative remedies to fight against predominant Burn infectious pathogens.
 57. Participated and presented paper at 96th Indian Science Congress organized by North Eastern Hill University, Shillong, Jan. 3 to 7, 2009.

58. Participated as invited lecturer in National Seminar organized by Nagaji Institute of Science and Technology, Gwalior held on 30th Sep.2009 and delivered lecture on “Drug resistance;its status today and tomorrow”.
59. Participated in a workshop held on Opportunities of Government funded R & D Project for Academic Institutions organized jointly by Foundation for Educational Excellence (FEE),Anna University,National Design and Research Forum(NDRF),Cambridge Institute of Technology (CI Tehnology) and ToC H Institute of Science and Technology at Bengaluru,19-20 Nov.2009 sponsored by AICTE.

Dr. Mrs. A. S. Pethe:

1. 32nd AMI Conference at Dept. of Microbiology & Microbial technology & School of biological science Madurai Kamraj University, Madurai. (10-12 Jan. 1992).
2. Seminar on “Project opportunities based on Microbial technology”, Organized by P.G. Dept. of Microbiology Nagpur University, Nagpur. (9th July 1995).
3. 36th AMI Annual Conference at Dept of Microbiology CCs. Haryana Agri. Uni. Hisar (8-10 Nov. 1995).
4. “Mahila Pradhyapak Parishad” at Amravati (3rd Jan. 1999).
5. Seminar on ‘Biodiversity Conservation Society, Amravati & Dept. of Forest, Amravati Div. Amravati. (21st March 1999).
6. 5th Mah. Chapter Conference of IAMM at Microbiology MIMSR Medical College, Latur, Maharashtra. (30th Sept. & 1st Oct. 1999).
7. 3rd Amravati Vidhyapith Mahila Pradhyapak Parishad organized by Shri Shivaji College, Akola. (3rd Jan 2001).
8. Regional workshop on “Energizing Curriculum for Up gradation of Standards”, organized by TRDEA Amravati Uni., Amravati, (14-15 July 2001)
9. National seminars on “Awareness of Biodiversity for Acclitizable Environment In 21st Century”, Organized by J.B. Science College Wardha (9-10 Aug 2002).
10. Attended International Conference on Sustainable Biotechnology organized by PGTD Nagpur, 2002.
11. National Conference on “Awareness of Biodiversity organized by Shri Shivaji College, Akola (18-19 Jan 2003).
12. Participated and presented research papers at Micro-Biotech 2005 Annual Conference of Association of Microbiologist of India, organized by Osmania University,Hyderabad,8-10th Dec.2005.
13. Participated and presented papers at International Biotech Congress PGTD, Nagpur University 17-20 Dec.2006.
14. Participated at University level Conference on Problems of farmers from Vidharbha region organized by Shri Shivaji College, Akola, and 7th Dec.2006.
15. “Mahila Pradhyapak Parishad”, at Shri Shivaji College, Akola (3rd Jan. 2007).
16. National Conference on Modern Approaches and Innovations in Biotechnology and Biodiversity Conservation, at Shri Shivaji Science College Amravati. (28, 29 & 30th Jan 2007).
17. State level Conference on Environment at Shri Shivaji Science College Akola. (4th Feb 2007).
18. National conference on Modern trends in plant sciences, Dr. Babasaheb Ambedkar Marathwada Uni. Aurangabad (6-7 Oct. 2007).

19. One Day Students Conference in Microbiology jointly organized by Dept. of Microbiology And Microbiologist Society at Akola, 15th Dec. 2007.
20. UGC sponsored National Seminar on Microbiological Developments and Biochemical Research, 29-30th Nov. 2007 at LAD and Smt. R.P College for Women, Nagpur.
21. Participated and Presented in "Modern Trends in Plant Sciences", 6th Oct. 2007, Saturday,
22. Dept. of Botany, Maharaja Sayajirao University of Baroda, Vadodra, Gujarat.

Dr. Mrs. C.S. Ukesh:

1. 32nd AMI Conference at Dept. of Microbiology & Microbial technology & School of biological science Madurai Kamraj University, Madurai. (10-12 Jan. 1992).
2. Seminar on "Project opportunities based on Microbial technology", Organized by P.G. Dept. of Microbiology Nagpur University, Nagpur. (9th July 1995).
3. 36th AMI Annual Conference at Dept of Microbiology CCs. Haryana Agri. Uni. Hisar (8-10 Nov. 1995).
4. "Mahila Pradhyapak Parishad" at Amravati (3rd Jan. 1999).
5. Seminar on 'Biodiversity Conservation Society, Amravati & Dept. of Forest, Amravati Div. Amravati. (21st March 1999).
6. 5th Mah. Chapter Conference of IAMM at Microbiology MIMSR Medical college, Latur, Maharashtra. (30th Sept. & 1st Oct. 1999).
7. 3rd Amravati Vidhyapith Mahila Pradhyapak Parishad organized by Shri Shivaji college, Akola. (3rd Jan 2001).
8. Regional workshop on "Energizing Curriculum for Up gradation of Standards", organized by TRDEA Amravati Uni., Amravati, (14-15 July 2001)
9. National seminars on "Awareness of Biodiversity For Acclitizable Environment In 21st Century", Organized by J.B. Science College Wardha (9-10 Aug 2002).
10. National Conference on "Awareness of Biodiversity organized by Shri Shivaji College, Akola (18-19 Jan 2003).
11. "Mahila Pradhyapak Parishad", at Shri Shivaji College, Akola (3rd Jan. 2007).
12. National Conference on Modern Approaches and Innovations in Biotechnology and Biodiversity Conservation, at Shri Shivaji Science College Amravati. (28, 29 & 30th Jan 2007).
13. State level Conference on Environment at Shri Shivaji Science College Akola. (4th Feb 2007).
14. National conference on Modern trends in plant sciences, Dr. Babasaheb Ambedkar Marathwada Uni. Aurangabad (6-7 Oct. 2007).

Mr. K.D. Kamble:

1. "Search for Efficient exonuclease producers from soil" 46th Annual Conference of Association of Microbiologist of India during 8 – 10 December, 2005, organized by Osmania University, Hyderabad
2. "Isolation and Identification of nuclease producing bacteria from soil" National Conference on Modern Approaches and Innovations in Biotechnology and Biodiversity Conservation, during 28 – 30 January, 2007, organized by Shri Shivaji Science College, Amravati.
3. "A comparative study of nuclease enzyme obtained from different soil isolates" Seminar on Microbiological Development and Biochemical Research during 30 November, 2007,

organized by Department of Microbiology and Department of Biochemistry, LAD College, Nagpur.

4. “Morphological and Biochemical characteristics of nuclease producing bacteria obtained from soil of Akola District” 95th Indian Science Congress Association, during 1– 7 January, 2008, organized by Andhra University, Vishakhapatnam.
5. “Optimization of pH and Temperature for nuclease producing bacteria obtained from soil” 96th Indian Science Congress Association, during 1– 7 January, 2009, organized by North-East Hill University, Shilong.
6. Participated and presented research papers at Micro-Biotech 2005 Annual Conference of Association of Microbiologist of India, organized by Osmania University, Hyderabad, 8-10th Dec.2005.
7. Participated at University level Conference on Problems of farmers from Vidharbha region organized by Shri Shivaji College, Akola, 7th Dec.2006.
8. “Mahila Pradhyapak Parishad”, at Shri Shivaji College, Akola (3rd Jan. 2007).
9. State level Conference on Environment at Shri Shivaji Science College Akola. (4th Feb 2007).
10. One Day Students Conference in Microbiology jointly organized by Dept. of Microbiology And Microbiologist Society at Akola, 15th Dec.2007.
11. Studies on ribonuclease producing producing bacteria 96th Indian Science Congress Association, during 1– 7 January, 2010, organized by Kerala University, Kerala.

Annexure V

Details of the ongoing projects completed during the last five years:

A. On going research projects with the infrastructure developed out of it :

Sr. No.	Title of the project	Name of the principal Investigator/ Co-ordinator	Funding agency	Amount In Rs. (In lakhs)	Period
1	Obtaining Nucleases from Soil Bacteria.	Kapil D. Kamble	UGC Major Research Project	Rs 2,00,000/-	2009-2010
2	Antimicrobial activity of herbal extracts of Akola and Melghat region.	Dr. M. Mudaddiq	UGC Major Research Project	8.54 Lakh	2008-2010

B. Research projects completed:

Sr. No.	Title of the project	Name of the principal Investigator/ Co-ordinator	Funding agency	Amount In Rs. (In lakh)	Period
1	Physicochemical and Bacteriological Analysis of water from Akola region	Dr.M.Musaddiq	UGC Minor Research Project	0.380lakh.	2005-2006
2	Search of herbal antimicrobial agents from Akola and Melghat region.	Dr. M. Musaddiq	UGC Minor Research Project	0. 80lakh.	2006-2008

Annexure III

New List of Publications:

1. Musaddiq, M. & Rajderkar, N. R.: 'In search of new indicator of water pollution.' *Ind. Jr. of Microbiology* Vol. 28(1), (1988):31-34.
2. Musaddiq, M & Rajderkar, N. R.; 'Pollution; Its control today and Tomorrow.' *Jr. of Indian Association for environmental Management*. Vol. 17(3) (1990): 115 – 120.
3. M. Musaddiq; 'Microorganism responsible for Environmental Biopollution – A case study of bore well water', *Indian Jr. of Environmental Health*. Vol. 32 (3) (1990): 290 – 294.
4. Musaddiq, M. & Rajderkar, N. R.; 'Municipal water supply standards – Some facts!' *Current Science*, Feb. 1991.
5. Mohammad Musaddiq; 'Aeroflora of Akola.' *Proceedings of 45th Annual conference of Indian Phytopathological Society – At PKV. Akola* (1993); 99-100.
6. S.K.Gudadhe,S.D.Patil,C.S.Ukesh and V.S.Jamode; 'Synthesis and antimicrobial activity of some iodosubstituted 3,4-Diarylisoaxazole.Oriental Jr. of Chemistry Vol.15 (1), (1999); 133-136.
7. S.K.Gudadhe,S.D.Patil,C.S.Ukesh and V.S.Jamode; 'Synthesis and antimicrobial activity of some iodosubstituted 3,4-Diarylisoaxazole.Oriental Jr.of Chemistry Vol.11 (2), (1999); 392-396.
8. S.K.Gudadhe, S.D.Patil, C.S.Ukesh and V.S.Jamode; 'Synthesis and antimicrobial activity of some iodosubstituted 3,4-Diarylisoaxazolines.Proceedings of 86th Session of Indian Science Congress,Chennai(1999).
9. S.K.Gudadhe, S.D.Patil, C.S.Ukesh and V.S.Jamode; 'Synthesis and antimicrobial activity of some iodosubstituted 3,5-Diaryl Pyrazolines and Pyrazoles.Asian Jr.of Chemistry Vol.12 (1), (2000); 195-198.
10. Dr. M. Musaddiq; 'Studies on Environmental Education in the Society" *J. of Microbial World* Vol.2 (1), (2000); 62-64.
11. Mohammad Musaddiq.; 'Surface water quality of Morna River at Akola.' *Poll. Res.* Vol.4 (2000); 685-691.
12. Seema Hashmi, Ilyas Fazil M. Shakir and M. Musaddiq.; 'Water Quality of Khazana Well at Beed District of Maharashtra ' *Jr. of Microbial World* Vol. 12 (2) (2000); 29-33.
13. Seema Hashmi and Mohammad Musaddiq; 'Biochemical and Bacteriological Aspect of Bendusura River of Beed District.' *Plant Resources Development, proceedings of the Seminars held on December 09, 2000. Plants Resource Development. Proceedings of the seminar held on Dec 9, 2000; 119-122.*
14. S. D. Patil, B. J. Wadher, C.S. Ukesh; 'In vitro susceptibility of ringworm fungi to ketoconazole.' *Jr. of Microbial World* Vol. 2 (1) (2000); 43-47.
15. Seema Hashmi and M. Musaddiq.; 'Studies on Physicochemical, Biochemical, and Microbiological aspects of Bendusura river of Beed districts.' *Plant Resource development, proceedings of the seminar held on December 9, 2000 (Ed.) A. M. Mungikar & A. S. Bhuktar.119-122.*
16. Anil K. Fokmare and Mohammed Musaddiq; 'Level of Ammonia and Phosphorus as indicators of organic pollutants .by river Morna at Akola '. *Envi. Poll. Control Jr*, Vol. 4, May-June (2001); 20-22.
17. Nanoty, V. D., Garode, A. D.,Kulkarni,N. S., Musaddiq, M.and Bodhankar, M. G.; 'Water Quality of Morna river at Akola Dist. (Maharashtra State), India', *Env. & Agri., Biodiversity. Agriculture Pollution in South Asia*. (2001); 543-546.

18. Garode, A. M., Nanoty, V. D., Kulkarni, N. S., Musaddiq, M. and Bodhankar, M. G.; 'A bacteriological profile of drinking water pollution in rural Maharashtra in India', 'Environment & Agricultural biodiversity and Pollution in South Asia. (2001); 547-549.
19. Anil K. Fokmare and Mohammad Musaddiq and Rizwan Khan; 'Comparative Studies of Physicochemical and Bacteriological quality of surface and ground water'. Pollution Res. Vol. 20 (4) (2001); 651-655.
20. Anil K. Fokmare, Mohammad Musaddiq and Tejasvini Purushottom; 'Physicochemical and Bacteriological analysis of ground water at Akola'. Jr. of Microbial World. Vol.3 (2) (2001); 51-58.
21. Shilpa D. Joshi and M. Musaddiq; 'Occurrence of Salmonella sps. in some commonly used Salads'. Proceedings of International Conference of SAARC countries on Biotechnology in Agriculture, Industry & Environment, (2001); 53-55.
22. Swati Bipte, N. S. Kulkarni and M. Musaddiq; 'Comparative studies on effect of autoclaved and unautoclaved *Azadiracta indica*. Extract on disease incidence in tomato'. Proceedings of International Conference of SAARC countries on Biotechnology in Agriculture, Industry & Environment, (2001); 132-135
23. G.V. Korpe, S. P. Deshmukh and Anil K. Fokmare; 'Synthesis, Antibacterial and Antifungal activities of N- glucopyranosyl Benzthiazolyl Thiocarbomides'. Ind. Jr. Heterocyclic Chem. Vol.10 April-June (2001); 287-290.
24. Anil Fokmare, and M. Musaddiq; 'Bacterial Contamination of ground and surface water in and around Akola City (M.S.)', Proceedings of International Conference of SAARC countries on Biotechnology in Agriculture, Industry & Environment, (2001); 168-171.
- 25.
26. Ibrahim Khan, C.S. Ukesh, Anil K. Fokmare, S.D.Patil; 'Incidences of dermatophytes in Akola City (M.S.)', Proceedings of International Conference of SAARC countries on Biotechnology in Agriculture, Industry & Environment, (2001); 31-35.
27. S. S. More, Y. A. Ali, M. Musaddiq; 'Isolation of nicotine Utilizing bacteria from mouth of tobacco chokers'. Proceedings of International Conference of SAARC countries on Biotechnology in Agriculture, Industry & Environment, (2001); 48-52.
28. Archana S. Pethe and Dipali R. Ghai; 'Isolation of Chromogenic Pseudomonas through enrichment culture and study of Antibacterial Activity of Pseudomonas pigment'. Proceedings of International Conference of SAARC countries on Biotechnology in Agriculture, Industry & Environment, (2001); 155-159.
29. Mohammad Musaddiq, Anil K. Fokmare; 'Microbial Diversity and Ecology of Lonar Lake, Maharashtra: India'. Jr. Aquatic biology Vol. 16 (2), (2002); 1-4.
30. G.V. Korpe, S.P. Deshmukh and M. Musaddiq.; 'Synthesis of 5 Glucosyl, 2, 4- isodithiourets and their antimicrobial study'. Asian Jr. of Chemistry, Vol. 14 No. (1) (2002); 121-124.
31. Anil K. Fokmare, Mohammad Musaddiq and Monica Dube; 'Bacteriological Status of drinking water in Akola city of Maharashtra'. Asian Jr. Microbial Biotech, Env. Vol. 4 (2) (2002); 255-258.
32. Anil K. Fokmare, Mohammad Musaddiq and Anjali Barde; 'Comparative toxicity of heavy metals to bacteria forms water bodies'. Pollution Res. Vol. 21(1) (2002); 284-287.
33. Anil K. Fokmare and M. Musaddiq; 'Studies of metal Pollution in surface and ground water of Akola'. Environmental Pollution Control Journal Vol. 5 (4) (2002); 12-15.

34. Anil K. Fokmare and M. Musaddiq; 'A study on physiochemical Characteristics of Kapsi Lake and Purna River water in Akola district of Maharashtra'. *Jr. Of Nature, Environment and Pollution Tech.* Vol.1 (3) (2002); 261-264.
35. Y. A. Ali, B. J. Wadher, Aqueel Khan, N. J. Chandranee and Z. H. Khan: 'Isolation and Biochemical characterization of Streptococcus mutans causing dental caries in children of Akola city'. *Jr. of Microbial World* Vol 2 (1) (2002); 9-13.
36. T. M. Sharma, Y. A. Ali; 'Effect of Chemical and Biofertilizer on growth and protein concentration on old soybean and wheat seedlings'. *Jr. of Microbial world.* Vol 6(1) (2002); 32-36
37. Shilpa D. Joshi and M. Musaddiq; 'Studies on distribution of E. coli and Salmonella in drinking water- A six month's report'. *Pollution Research.* Vol.22 (1) (2003); 121-124.
38. Anil K. Fokmare, Mohammad Musaddiq and Anjali Barde; 'Comparative toxicity of heavy metals to bacteria from water bodies'. *Pollution Research.* Vol 22(1) (2003); 41-49.
39. Mohammad Musaddiq and Anil K. Fokmare, 'Determination of Water Quality Index (WQI) of a surface water source of Akola city, Maharashtra. *Jr. of Aqua. Biol.* Vol. 18 (2) (2003); 17-18.
40. Anil K. Fokmare, Mohammad Musaddiq and Vishnupriya; 'Impact of Industrial effluent on Akola ecosystem'. *Jr. of Industrial Poll. Cont.* Vol. 19 (1) (2003); 14-19.
41. Shilpa Joshi and M. Musaddiq; 'Studies on multiple drug resistance pattern of Salmonella typhi isolated from various sources'. *Jr. of Microbial World* Vol. 5 (1) (2003); 63-65.
42. Anil K. Fokmare and M. Musaddiq; 'Physiological response of some bacteria to Chromium from water bodies'. *Eco. Env. & Cons.* Vol 9 (1) (2003); 85-89.
43. A.K. Fokmare, Mohammad Musaddiq and Anjali Barde: 'Comparative toxicity of heavy metals to bacteria from water bodies.' *Recent advances in water pollution Research (Ed.) R. K. Trivedy Published by EnviroMedia* (2003); 147-153.
44. Asad Sayyad, M. Musaddiq, Anil K. Fokmare and Zia Khan; 'Microbiological studies on miracle water, Akola, Maharashtra'. *Jr. Aqua. Biol. Vol 18 (2)* (2003);
45. V. D. Nanoty, M. Musaddiq M. A. Ahale; 'Microbiological studies on air in hospital atmosphere'. *Jr. Microbial World* Vol.5 (2) (2003); 91-94.
46. D.R. Sehgal, N. G. Rao, A.S. Pethe, N. S. Satpute and M. P. Mohril; 'Novel fermentation Media for production of Bacillus thurengiensis var. Kurstski (BT KHD-1)'. *Jr. Microbial World* Vol.5 (2) (2003); 107-110.
47. S. K. Bhagat, S. P. Deshmukh and Mohammad Musaddiq; 'One Glucosyl thiouraides Synthesis, antibacterial and antifungal studies of certain 2-5-tetra-O-Benzyl-D-glucopyranosyl-1, 5-disubstituted-2, 4, isodothiourids.' *Jr. Ind. Chem. Soc* Vol. 80 (2003); 1.
48. Sehgal S., A.S.Pethe., N.G.V.Rao; 'Novel fermentation media for production of Bacillus thurengiensis variety Kurstski (BT K HD 1)'. *Journal of Microbial world* Vol. 5 (2003); 107
49. M. Musaddiq. Nisha Khan Anil K. Fokmare; 'Studies on microbial quality of market fast food samples at Akola city of Maharashtra. *Jr. of Microbial world.* Vol. 6(1) (2004); 17-19.
50. A.R. Deshpande, Mohd. Musaddiq, D. G. Bhadange.; 'Studies on Antibacterial activity of some plant extract'. *Jr. of Microbial world.* Vol. 6(1) (2004); 430-49.
51. M. Musaddiq, Leena J. Purohit, Swati Bipte and Imran Khan; 'Study of air flora near solid waste dumping station at Akola, Maharashtra'. *Nature, Environmental Pollution Technology* Vol. 3, (1) (2004); 61-64.

52. Deshpande A. R., Musaddiq M., Banole A. M., Wadher B. J. Deshmukh S. R; 'Antibiotic Resistance pattern of some clinical isolates of Staphylococci'. The Indian Practitioner March 2004, Vol 57 No. 3; 174-177.
53. Khandare Seema A., Nanoty V. D., Musaddiq M.; 'Studies on Chlorine and antibiotic resistance in coliforms isolated from drinking water from various public place in Akola city'. Jr. of Microbial world Vol (2) (2004);187-190.
54. Ali Y. A., Abhiruchi A Netke; 'E.coli and Proteins isolates form UTI patients from Akola city with their resistance pattern against different antibiotics and chemotherapeutic agents'. The Antiseptics Dec., (2004) Vol. 202 No 02 ;590-593
55. Deshpande, A. R., Musaddiq, M., Banole, A. M., Wadher, B. J., Deshmukh, S. R.; 'Antibiotic Resistance pattern of some clinical isolates of staphylococci'. The Indian Practitioner March 2004, Vol 57 No. 3; 174-177.
56. Vaishali Domale, V. D. Nanoty and Mohammad Musaddiq; 'Microbial studies on nosocomial infections due to environmental contamination in hospitals'. Nature, Environment and Pollution Technology. Vol 4 (1) March (2005); 61 – 64.
57. M.D. Jain and Y. A. Ali; 'Anatomical anomalies in foliage of Pongamia pinnata (Linn) affected by Agrobacterium tumefaciens'. Jr. Microbial World Vol. 7(1) (2005); 100-105.
58. V. B. Chede, Y. A. Ali; 'Isolation of Halomonas salina from saline belt in Akola region (Maharashtra)'. Jr. Microbial World Vol. 7(1) (2005); 121-123.
59. A.D. Kharat, A. R. Deshpande, Mohd. Musaddiq; 'Antifungal activity of some medicinal plants against two phytopathogenic fungi'. Asian Jr. of Microbial Biotech. Env. Sc. Vol. 7(4) (2005):743-745.
60. Anil K. Fokmare, Mohammad Musaddiq; 'Surface and ground water pollution in and around Akola'. (Ed.) Smrita Ratna Mishra, Daya Publication New Delhi., Advances in Limnology(2005); 45-100.
61. Irshad Ahmed M. Musaddiq et al; 'New Data base of H. pylori'. BMC of Bioinformatics/New Biomedical Database(2005);1-16
62. Swati Bipte and M. Musaddiq; 'Effect of plant extracts on seed germination and crop growth of crop of Vidharbha region'. Amravati University Research Journal, vol. 1 (1) (2005); 32-36.
63. Irshad Ahmed M. Musaddiq et al, 'A new evolutionary scenario for Helicobacter pylori'. J. of Bacteriology, vol. 49(3) (2005);
64. A.D. Kharat, A. R. Deshpande, M. Musaddiq; Antifungal activity of some medicinal plants against two phytopathogenic fungi, Asian Jr. of Microbiol Biotech. Env. Sc., Vol. 7(4) (2005); 743-745.
65. A.R. Deshpande, M. Musaddiq, S. P. Rothe, A. M. Banole, D. P. Patil, Screening of some plant extracts for antibacterial activity, Asian Jr. of Microbiol. Biotech. Env. Sc. Vol 7(4) (2005); 755-758.
66. Santosh K. Tiwari, Irshad Ahmed et al, Polymerase Chain Reaction based analysis of the cytotoxin associated gene pathogenicity island of Helicobacter pylori from saliva: An approach for rapid molecular genotyping in relation to disease status., Gastrology and Hepatology, DOI: 10.11110,.1400-174603955X (2005).
67. Farhana Kauser, I. Ahmed, M. Musaddiq, Comparative genomes of Helicobacter pylori strain from the high – Altitudes Dessert of Ladakh India, Jr. Clinical Microbial, April 2005, Vol. 43 (4) pp-1538-1545.

68. S. K. Tiwari, I. Ahmed et al., Rapid diagnosis of *Helicobacter pylori* infection in dyspeptic patients using salivary secretions: a new non-invasive approach. *Singapore Med. Jr.*, Vol. 46 (5) (2005); 224-234.
69. Farhana Kauser, I. Ahmed, M. Musaddiq, Leonardo A. Sechi, Comparative genomics of *Helicobacter pylori* isolates received from ulcer disease patients in England *BMC Microbiology*, Vol. 5:32 DOI 10. 1186/ 1471-2180-5-32 (2005).
70. S. B. Thakare, A. V. Parvate, Y. V. R. Rao, M. Musaddiq, Performance of low cost absorbent for the removal of Fluoride in water. *Proceedings of National conf. On sustainable technology for advancements on civil Eng. , S. R. K. R. Engineering College, Bhimanaram A. P., Proceedings of national conf., (2005);6.2.1.-6.2.6..*
71. Y. R. M. Rao, A. V. Parvate, S. B. Thakare, Removal of Heavy of metals by absorption onto fly ash,. *Proceedings of National conf. On sustainable technology for advancements in civil Eng., S. R. K. R. Engineering College, Bhimanaram A. P., Proceedings of National Conf.,(2005) ;6.6.1.-6.2.9*
72. Sheikh Mehboob Ali, Aleem A. Khan, Irshad Ahmed, M. Musaddiq, Khaja S. Ahmed, H. Polosa, L. Venkateshwarrao, And Niyaz Ahmed;
73. 'Antimicrobial Activities of Eugenol and Cinnamaldehyde against the human gastric pathogen *H.pylori*'. *Annals of Clinical Microbiology and Antimicrobial* (2005)4:20.
74. Kharat, A. R. Deshpande, Mohd. Musaddiq; 'Antifungal activity of some medicinal plants against two phytopathogenic fungi'. *Asian Jr. of Microbial Biotech. Env. Sc. Vol. 7(4)* (2005):
75. A.R. Deshpande, Mohd. Musaddiq, S. P. Rothe, A. M. Banole and D. P. Patil; 'Screening of some plant extracts for antibacterial activity'. *Asian Jr. of Microbial Biotech. Env. Sc. Vol. 7(4)* (2005):
76. Y. S. Mohite, A. S. Pethe, S. B. Lanjewar and S. P. Rothe, 'Antibacterial activities of *Argemona mexicana* linn.' *BIOINFOLET* 3(3); 188-191(2006).
77. M. Musaddiq, Sneha S. Rathi; 'Antimicrobial and antifungal activities of solvent extract of kalongi.' *Jr. Microbial world* 8(2) (2006); 249-251
78. C.S. Ukesh, And S. D. Patil, In vitro sensitivity of pathogenic yeast to miconazole, *Jr. of Microbial World*, Vol. 8(1) (2006); 1-5.
79. Prajakta P. Bijwe, V. D. Nanoty and M. Musaddiq, studies on pathogenic isolates from pediatric patients with acute diarrhoeal diseases, *Jr. of Microbial World*, Vol. 8(1) (2006); 42-45.
80. Pranali S. Malode and C. S. Ukesh, Incidence of *Candida albicans* in patients from Akola city, *Jr. of Microbial World*, Vol. 8(1) (2006); 131-132.
81. A.R. Deshpande, M. Musaddiq,' Antifungal activity of some medicinal plants". *Proceedings of National symposium on Development in Biotechnology, Emerging trends and Challenges and First BRSI convention, organized jointly by North Maharashtra University, Jalgaon and Biotech Research Society of India, Nov 25 – 27, 2004 , Published by Biotech. Research Society of India, , (2007-08) : 123-127*
82. M. Musaddiq, and Shruti Paraskar; 'Pollution level of water at Akola in extreme season.' *Jr. Microbial world* Vol. 9(1) (2007); 145-48.
83. Swati Tale, A.S.Pethe and S.P.Rothe; 'Antimicrobial activities of Tea'. *BIOINFOLET* Vol.4(2) (2007); 139-141

84. K.Kusuma Kumari, M. Musaddiq and NGV Rao; 'Production of Cry 1Aa protein of Bt from recombinant E. coli by using agro wastes'. Asian Jr. of Microbiology, Biotechnology and Env.Sc Vol.9 (4) (2007); 1053-1056.
85. Sarita Gupta, Archana Pethe, S. R. Rothe and N.G.V.Rao; 'Isolation and characterization of Bacillus thurengiensis strains from various locality of Vidharbha Region', Mendel International Journal (2008-09); 41-42
86. Sarita Agrahari, M. P. Mohril, Archana Pethe, And N. G. V. Rao; 'Isolation and Characterization of Bacillus thurengiensis Strain from the Ecosystem of Central India.' Jr. of Pure and Applied Microbiology, Oct.(2008), vol. 2 (2) : 547-550.
87. P. Parmar, M. Musaddiq, A. R. Deshpande; 'Antimicrobial activity of 'Karkatshringi', a crude Ayurvedic product'. Asian Jr. of Microbiology, Biotechnology and Env.Sc Vol.10 (4) (2008); 821-823.
88. P.M.Mehta, Y.A.Ali, M.Musaddiq; 'Effect of mouthwashes and toothpastes against caries including Streptococcus mutans'. Jr. Microbial world Vol.10 (1) (2008); 196-199.
89. K.D.Kamble, M.Musaddiq; 'Characterization of nuclease producing bacteria from soil of Akola'. Jr. Microbial world Vol.10 (2) (2008); 113-117.
90. S.D.Chavan,N.S.Kulkarni,M.Musaddiq;'Evidences of endophytic translocation of endophytic human pathogen in tomato(Licopersicon esculatum) grown via.geophonics'.Nature,Environment and Pollution Technology, Vol.7 (3) (2008); 471-474.
91. S.B.Lanjewar, M. Musaddiq, NGV Rao, L.M.Dhumale; 'Toxicity of Photorhabdus luminescence against Diamond back moth Plutella xylostella'. Jr. of Plant Disease Science Vol.3 (1) (2008); 77-84.
92. S.B.Lanjewar, M. Musaddiq, NGV Rao; 'Fermentation media for novel insecticidal toxin producing bacteria Photorhabdus luminescence'. Asian Jr. of Microbiology, Biotechnology and Env.Sc Vol.10 (3) (2008); 74-77.
93. S.H.Mishra.N.S.Kulkarni,M.Musaddiq; Cholic acid induced potentiation on antibacterial activity of antibiotics against multiple drug resistant S.aureus. Jr. Microbial world Vol.10 (1) (2008); 48-53.
94. D.L.Barate, V.S.Kale, C.S.Ukesh, S.P.Rothe; 'Antibacterial and antifungal activity of Euphorbia hirta plant extract'. Jr. of Plant Disease Sciences (2008)
95. V.B.Chede, M.Musaddiq;'Study of Microbial load in raw and pasteurized milk from market. Jr. Microbial world Vol.11 (1) (2009); 109-114.
96. M.N.Gaikwad,A.S.Pethe;'Effect of microwaves on thermoduric bacteria'.Jr. Microbial world Vol.11 (1) (2009); 121-126.
97. Farhana Ali, M. Musaddiq; 'Comparative analysis of physicochemical and bacteriological properties of Eutrophic and fresh water bodies'.Jr.of Aquatic Biology, Vol.24 (1), 2009; 57-60.
98. Shweta Mishra;'Effect of microwaves on thermoduric bacteria'.Jr. Microbial world Vol.11 (1) (2009); 121-126.
99. Farhana Ali; 'Effect of microwaves on thermoduric bacteria'.Jr. Microbial world Vol.11 (1) (2009); 121-126.
100. Asim Shaikh; Effect of microwaves on thermoduric bacteria'.Jr. Microbial world Vol.11 (1) (2009); 121-126.
101. Shehal Nemade; Effect of microwaves on thermoduric bacteria'.Jr. Microbial world Vol.11 (1) (2009); 121-126.

Students Achievements:

Sr. No.	Name	Activity	Award/ Prize/ Position	Class
1.	M.A.Dhanokar	Poster Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	M.Sc II
2.	R.M.Karale	Poster Presentation At student's Conference, Organized at Shri Shivaji College, Akola, 15/12/07	--	M.Sc II
3.	S.D.Chavan	Poster Presentation At student's Conference, Organized at Shri Shivaji College, Akola, 15/12/07	--	M.Sc II
4.	P.U.Khanzode	Poster Presentation At student's Conference, Organized at Shri Shivaji Akola, 15/12/07	--	M.Sc II
5.	P.M.Mehta	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	M.Sc II
6.	P.P.Kale	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	M.Sc II
7.	A.W.Shaikh	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	M.Sc II
8.	Syed Naznin	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	M.Sc II
9.	D. L. Barate	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	Consolation Prize	M.Sc II
10.	M.N.Gaikwad	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	M.Sc II
11.	Ruchi Padiya	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	Ist Prize	M.Sc I
12.	Priti Sharma	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	Ist Prize	M.Sc I
13.	S. Nemade	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	Ist Prize	M.Sc I
14.	S. Kulkarni	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	Ist Prize	M.Sc I

15.	N. Kulkarni	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	Ist Prize	M.Sc I
16.	D. Paraskar	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	Ist Prize	M.Sc I
17.	K.Rajput	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	Ist Prize	M.Sc I
18.	A.Shaikh	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	Ist Prize	M.Sc I
19.	P.Deshmukh	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	Ist Prize	M.Sc I
20.	S.Dongre	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	Ist Prize	M.Sc I
21.	V.Lande	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
22.	K. Lad	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
23.	K.P.Gadekar	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
24.	R.M.Wankhade	Poster Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
25.	A.S.Banait	Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc II
26.	K.P.Dhote	Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc II
27.	S.A.Pundlik	Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc II
28.	K.S.Bawane	Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc II
29.	C.S.Shegokar	Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc II
30.	S.R.Sakkalakar	Poster & model Presentation, , At student's	--	B.Sc II

		Conference, Organized at Shri Shivaji College, Akola on 15/12/07		
31.	Y.N.Khandare	Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc II
32.	S.D.Tale	Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc II
33.	K.R.Damodar	Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc II
34.	A.G.Chakranarayan	Poster & model Presentation Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc II
35.	Fazil Ahmed	Poster & model Presentation Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc II
36.	U.A.Goud	Poster & model Presentation Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc II
37.	V.P.Kale	Poster & model Presentation Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc II
38.	A.S.Kadam	Poster & model Presentation Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc II
39.	P.V.Gaikwad	Poster & model Presentation Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc II
40.	V.V.Mukadam	Poster & model Presentation Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc II
41.	S.S.Thakur	Poster & model Presentation Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc II
42.	S.Firdos	Poster & model Presentation Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on	--	B.Sc II

		15/12/07		
43.	S.Tarranum	Poster & model Presentation Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
44.	G.Dixit	Poster & model Presentation Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
45.	S.Kharche	Poster & model Presentation Poster & model Presentation, Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07 , At student's Conference, Organized at Shri Shivaji College, -- Akola on 15/12/07	--	B.Sc III
46.	A.A.Deshpande	Poster & model Presentation Poster & model Presentation, , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
47.	H.S.Lahudkar	Poster & model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
48.	P.V.Joshi	Poster & model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
49.	M.Imran	Poster & model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
50.	M.M.Dangte	Poster & model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
51.	S.V.Marke	Poster & model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
52.	R.R.Pande	Poster & model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
53.	I.Khan	Poster & model Presentati, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
54.	S.W.Parwez	Poster & model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
55.	S.Amjad	Poster & model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III

56.	A.Mobin	Poster & model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
57.	M.Atiq	Poster & model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
58.	R.Ahmed	Poster & model Presentatio, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
59.	M.A.Deshmukh	Poster & model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
60.	R.V.Mate	Poster & model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
61.	A.Dharashivkar	model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
62.	N.Zuber	model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
63.	K.Khan	model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
64.	M.Majid	model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
65.	A.A.Chavan	Poster Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
66.	R.Ahmed	Poster Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
67.	S.Shoaib	Poster Presentation , At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
68.	S.Saoji	Poster Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
69.	S.Kulkarni	Poster Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
70.	K.Fokmare	Poster Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
71.	V.K.Thakre	Poster Presentation, At student's Conference,	--	B.Sc III

		Organized at Shri Shivaji College, Akola on 15/12/07		
72.	D.S.Patil	Poster & model Presentation	--	B.Sc III
73.	R. W. Sirsat	Poster Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
74.	S.M.Kalorey	Poster Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
75.	P.D.Nandurkar	Poster Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
76.	S.V.Parnate	Poster Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
77.	S.Kashid	Poster Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
78.	J.Khan	Poster Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
79.	M.R.Rohankar	Poster Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
80.	V.B.Mate	Poster Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
Biotechnology				
81.	S.S.Waghulkar	Model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
82.	S.G.Mahajan	Model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
83.	R.R.Parskar	Model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
84.	A. S. Patil	Model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
85.	N. A. Patil	Model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
86.	K. C. Gawde	Model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III

87.	N.A. Shaikh	Model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
88.	V. Unhale	Model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	Ist Prize	B.Sc III
89.	R.G. Sharma	Model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	Ist Prize	B.Sc III
90.	R.G. Sharma	Participated, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
91.	P.G. Chavan	Participated, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
92.	D. L. Jangam	Participated, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
93.	M.G.Deshmukh	Participated, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
94.	P.R.Dhake	Participated, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
95.	M.G. Vyvhare	Participated, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
96.	K.V.Umarkar	Participated, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
97.	H.R.Dotkar	Participated, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
98.	M.V.Mahalle	Participated, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
99.	P.N.Ingle	Participated, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
100.	D.B.jadhav	Participated, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
101.	R.P.Deshmukh	Participated, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
102.	R.N.Kkate	Participated, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
103.	S.S. Ambalkar	Participated, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
104.	S.S. Pathak	Participated, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
105.	S.P.Pande	Participated, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
106.	A.R.Korde	Participated, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
107.	M.S./Janpage	Participated, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	--	B.Sc III
108.	A.Khan	Model Presentation, At student's Conference,	Ist Prize	B.Sc III

		Organized at Shri Shivaji College, Akola on 15/12/07		
109.	D.Gaud	Model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	1st Prize	B.Sc III
110.	D.S.Dalu	Model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	Ist Prize	B.Sc III
111.	P.R.Bhople	Model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	Ist Prize	B.Sc III
112.	S. Parsker	Model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	Ist Prize	B.Sc III
113.	A. Quereshi	Model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	Ist Prize	B.Sc III
114.	N. Anjum	Model Presentation, At student's Conference, Organized at Shri Shivaji College, Akola on 15/12/07	Ist Prize	B.Sc III
115.	Mohammed Afzal	Presented Poster at Intercollegiate BiotechMeet At Shri Shivaji Institute of Biotechnology, Amravati	--	B.Sc III
116.	Miss.Tajeshree Joshi	Seminar at Intercollegiate BiotechMeet At Shri Shivaji Institute of Biotechnology, Amravati	--	B.Sc III
117.	Aasim Iqbal Shaikh	Participated at Intercollegiate Debate competition at DCM, Parbhani.	Consolation Prize	M.Sc. I (Micro)
118.	Miss Vinaya Mukaddam	Participated at Intercollegiate Quiz competition held at RDG college, Akola	Ist Prize	B.Sc.II
119.	Ku. Avinash,	National Conference of Modern approaches and Innovations in Biotechnology and Biodiversity at Shri Shivaji Science College, Amravati 28-30 Jan 2007.		M.Sc. Ii (Micro)
120.	Aasim Iqbal Shaikh	Participated in Awiskar 2009 , held at SGB Amravati University.	Selected at University level	M.Sc. II (Micro)
121.	Miss Priti Sharma	Participated in Awiskar 2009 , held at SGB Amravati University.	Selected at University level	M.Sc. II (Micro)

Shri Shivaji College of Arts, Commerce and Science, Akola
Paper Published by the faculty members of Department of Biotechnology.

Sr. No.	Name of the faculty member.	Paper Published	Name of the Journal
01	Shweta Mishra	Cholic Acid induced potentiation on Antibacterial Activity of Antibiotics against Drug Resistant S.aures	Journal Microbial World, January 2008 .pg no-48-54.
		Bacteriology of Burn wound infection and its antibiogram study	Journal Microbial World, July 2009 Vol no 11 {2} pg no-138-144
		In-vitro assessment of Cholic Acid permeabilizing ability in combination with antibiotics to combat microbial resistance exhibited by Biofilm producing bacteria.	Accepted for publication in Asian Journal Microbiology, Biotechnology and Environmental Science. Issue no (2) 2010
		Efficacy Lactobacillus plantarum to inhibit aerobic bacterial burn wound pathogens	Accepted for publication in Asian Journal Microbiology, Biotechnology and Environmental Science. Issue no (2) 2010
02	Asim Sheikh	Screening and Comparative in-vitro analysis of Biofilm producers and non producers from invasive infections	Journal of Microbial World , July 2009 Vol 11 (2), pg no-184-189
		In-vitro assessment of Cholic Acid permeabilizing ability in combination with antibiotics to combat microbial resistance exhibited by Biofilm producing bacteria	Accepted for publication in Asian Journal Microbiology, Biotechnology and Environmental Science. Issue no (2) 2010

Shri Shivaji College of Arts, Commerce and Science, Akola
Papers / Posters Presented and Conference attended by the faculty members from
Department of Biotechnology

Sr. No	Name of the faculty member	Conference Attended	Paper / Poster presented
01.	Jyoti Anandani	ACBION held at A.F.M.C Pune Nov 2006	Using Phylogenetic approaches for deciphering the G:C contents in the conserved region genes of Prokaryotes and Eukaryotes.
		Modern Approaches and Innovations in Biotechnology and Biodiversity conservation held in Shri Shivaji Science College ,Amravati. 28-30 Jan 2007	
		96 Indian Science Congress held in Shillong 3-7 Jan 2009	Haematological and Biochemical studies in burn

			patients of different age groups.
02	Shradha Deshmukh	ACBION held at A.F.M.C Pune Nov 2006	Inhibitory effects of spices against Trypsin.
		Modern Approaches and Innovations in Biotechnology and Biodiversity conservation held in Shri Shivaji Science College ,Amravati. 28-30 Jan 2007	Microbial aspects of Vit B12 deficiency epidemics in vegetarians.
		96 Indian Science Congress held in Shillong 3-7 Jan 2009	Occurrence of Fluoride in drinking water of Akola District.
03	Shweta Mishra	Conference held at Department of Microbiology, Agriculture University ,Dharwad, (Karnataka)2003	Cholic Acid induced potentiation on Antibacterial Activity of Antibiotics against Drug Resistant S. aureus
		Conference held at Department of Microbiology, Osmania University, Hyderabad. 2006	Antimicrobial activity of S indices on phytopathogens .
		Conference held at Department of Biotechnology and Bio science ,Shri Shivaji College, Amravati .28-30 Jan 2007	Cholic Acid induced potentiation on Antibacterial Activity of Antibiotics against Drug Resistant S. Aureus and E .coli.
		96 Indian Science Congress held in Shillong 3-7 Jan 2009	Bacteriology of Burn wound infection and its antibiogram study.
		Conference held by Dept of Microbiology and Microbiologist Society, Akola .15 Dec 2007	Attended
		National seminar on “Recent trends in Science and Technology “ at Nagaji Institute of Technology and Management, Gwalior. 30 Sep-01 Oct 2009	Attended
04	Asim Sheikh	96 Indian Science Congress held in Shillong 3-7 Jan 2009	Screening and Comparative in-vitro analysis of Biofilm producers and non producers from invasive

			infections.
		Conference held by Dept of Microbiology and Microbiologist Society,Akola .15 Dec 2007	Attended
		National Science day 2009 by Sant Gadge Baba Amravati University at Shri Shivaji College,Amravati.	Attended
		Winner of University Colour Coat and Memento of Inter University Research Festival Avishkar-2008 by Sant Gadge Baba Amravati Unicersity, Amravati.	

Shri Shivaji College of Arts,Commerce and Science Akola.
B.Sc III (Biotechnology)
2004-2005
Subject: Project List.

Group	Sr.No	Name of the student	Project Title
A	01	Ku Andlib M.Hussain	Plant Tissue Culture using different hormone concentration
	02	Ku Tasneem S.Hussain	
	03	Ku Suwarna S.Fasale	
B	04	Mr Kishor V.Shete	Preparation of Yoghurt.
	05	Mr Sachin K.Kakade	
	06	Mr Vilas G.Gawhale	
	07	Mr Rajesh G.Ganesh	
	08	Mr Kamalesh B.Marke	
C	09	Mr Anup S.Dhakolkar	Physiological and Bacteriological Analysis of Packaged Drinking water
	10	Mr Kamalkishor S.Dassar	
	11	Mr Nilesh C.Kulkarni	
	12	Ku Madhuri S.Raut	
	13	Ku Tasneem S.Rassiwala	
D	14	Mr Mukesh R.Bondre	Alcohol Production.
	15	Mr Lokesh P.Mohod	
	16	Mr Ganesh J.Bakal	

	17	Ku Deepa A.Dhoke	
E	18	Mr Rohan A.Pavitrakar	Studies on Pathogenic Isolates from
	19	Mr Mangesh R .Ninghot	Hospital Waste.
	20	Ku Yogeshwari D.Tale	

Shri Shivaji College of Atrs ,Commerce and Science,Akola.

B.Sc III (Biotechnology)

2006-2007

Subject : Project List

Group	Sr.No	Name of the Student	Project Title
A	01	Ankush A.Pandhare	Comparison of multidrug resistance in
	02	Kunal P.Deshmukh	<i>Salmonella typhi</i>
	03	Neha R.Thakre	
B	04	Abdul K. Ajmeri	Microbial flora in botteled Uncarbonat-
	05	Yogita S.Paraskar	ed drinking water and Carbonated soft
	06	Yogini P.Bedarkar	Drinks.
C	07	BhawnwB.Naise	Detection of Pesticide tolerant Bacteria
	08	Nilima P.Dehankar	In soil.
	09	Mohammed Afjal	
D	10	Mayuri Ramteke	Isolation of fungi for tolerance and
	11	Harsha Penjarkar	removal of heavy metal for
			Bioremediation of Industrial waste
			Water
E	12	Monal B.Thosar	Isolation of " <i>Lipase</i> " producing
	13	ManjiriM.Deshmukh	microorganism from oil contaminated
	14	P B.Ingle	Sites
F	15	Ravindra V.Awati	<i>Herbal Soap</i> production
	16	Manoj M.Kenwadkar	
	17	Kalyani V.Deshmukh	
	18	Sarita D.Balapure	
G	19	Ujwal T.Fultambekar	Isolation of Exonuclease Producer
	20	Rahul R.Kharche	from soil
	21	Purnima Banginwar	
H	22	Ashok S.Khaire	Antifungal activity of plant extracts
	23	Yogesh R.Bute	of <i>A.indica</i> and <i>O.sanctum</i> against
	24	Aarti P.Choudhari	Plant pathogens

I	25	Tejashri D.Kali	<i>In vitro</i> defence mechanism in
	26	A.N.S.Rohil	Capsicum annum
	27	Wasim Khan	
J	28	Vaishali M.Tale	Production of “ <i>Yoghurt</i> ”
	29	Aaditi D.Patki	
	30	Deepak D.Katekar	

Shri Shivaji College of Arts ,Commerce and Science,Akola
B.Sc III (Biotechnology)
2007-2008

Subject:Project List

Group	Sr.No	Name of the Student	Project Title
A	01	Ram R.Paraskar	Effect of Biofertilizer and its
	02	Navid A.Sheikh	production
	03	Varsha N.Unhale	
	04	Dhanashri R.Gaud	
B	05	Niraj Patil	Analysis of Milk sample
	06	Swapnil G.Mahajan	
	07	Mithila G.Deshmukh	
	08	Prajakta M.Kulat	
	09	Priyanka G.Chouhan	
C	10	Parag R.Bhople	Effect of preservative on growth of
	11	Madhuri B.Saoji	Microorganism
	12	Mohan G.Vyawahare	
	13	Pallavi N.Ingle	
	14	Deepali B.Jadhav	
D	15	Musaddiq A Gulamnabi	Antibacterial activity of Medicinal
	16	Sneha Pathak	Plants
	17	Vrushali B.Mate	
	18	Dhananjay S.Dalu	
E	19	Sneha P.Pande	Investigation of Custard apple
	20	Prachi P.Deshmukh	
	21	Kishore C.Gawande	
	22	Aniket R.Korde	
	23	Snehali D.Paraskar	

Shri Shivaji College of Atrs ,Commerce and Science,Akola.
B.Sc III (Biotechnology)
2008-2009

Subject : Project List

Group	Sr.No	Name of the Student	Project Title
A	01	Pratik P.Daware	Investigation of microflora of some
	02	Aniket M.Wani	Medicinal seeds
	03	Swapnil D.Joshi	
	04	Anita R. Warade	
	05	Disha B.Patel	
B	06	Waseem A.A.Kareem	Isolation of single cell from callus
	07	Radhika G.Pachkawade	of <i>Catharanthus roseus</i>
	08	Mhd Zafar Ullah Khan A Khan	
	09	Abdul Mustajeeb A Sayeed	
	10	Bhagyashree K .Gawande	
C	11	Andalib Naz Azhar Hussain	Organic based liquid Biofertilizer
	12	Sana Arjumand Syed Asif	: Plant Booster
	13	Pankaj B.Vikhe	
	14	Tarique I Hussain	
	15	Abdul Zoheb A Taher Ansari	
D	16	Shweta C.Jeswani	Detction of adulteration in foodstuff
	17	Shweta D.Bobade	
	18	Syed R.Ishaque	
	19	Poonam H.Somaiya	
	20	Sneha U.Dhade	

Shri Shivaji College of Atrs ,Commerce and Science,Akola.
B.Sc III (Biotechnology)
2008-2009

Subject : Project List

Group	Sr.No	Name of the Student	Project Title
E	21	Sana A.Hussain	Oyster mushroom cultivation
	22	Humera Nahid Aboul Sayeed	: as food supplement
	23	Imran Ali Kh Sayeed Ahmed Kh	
	24	Mhmd Aadil Ghulam Nabi	
	25	Abdul Rahim Abdul Rouf	
F	26	Swati A.Bharne	Comparative study of Biodiesel
	27	Safiya Afreen Mujeebur Rehman	
	28	Aarti S.Sharma	

	29	Humaira Mahwash I Ahd Niyazi	
	30	Aditi R.Kulkarni	
G	31	Vikas P.Dawande	Isolation of <i>Trichoderma</i> and
	32	Girishkumar M.Fokmare	Its fungal activity
	33	Sameer K.Bodhe	

**Shri Shivaji College of Arts, Commerce and Science ,Akola.
B.Sc III (Biotechnology)
2009-2010**

Subject : Project List.

Group	Sr.No	Name of the student	Project Title
A	01	Ku Nikhat Syed	Production of Fructose Syrup
	02	Ku Nuzhat	.
	03	Ku Rupali A.Shirsat	
	04	Mr Shyam P.Bobade	
			.
B	05	Ku Swati V.Balapure	
	06	Ku Pallavi S.Badhe	Probiotic: as a food suppliment.
	07	Ku Ruchita D.Parate	
	08	Mr Shailesh M.Agrawal	
C	09	Ku Hetal S.Vora	Comparative study of Natural Seeds
	10	Mr Saurabh N.Jain	and Treated Seeds during germination
	11	Ku Farheen	
	12	Ku Sadiya S.Ali	
D	13	Mr Mahesh D.Rathod	Study of Alcohol Production using
	14	Ku Pranita P.Harale	Different fruit juice.
	15	Ku Krishna K.Joshi	
	16	Mr Imran Khan	
E	17	Ku Khushbu K.Patel	Comparative study of Fermented
	18	Ku Devika R.Mudaliar	Food.
	19	Mr Swapnil B.Dongare	
	20	Mr Navedur Rehman	
F	21	Ku Anuja M.Mopari	Production of Soyamilk and Tofu.
	22	Ku Aarti D.Nandapure	
	23	Ku Shweta S.Dhumale	
	24	Mr Vaibhav P.Naphade	
G	25	Ku Pallavi A.Kashikar	Use of Root Nodules as a
	26	Mr Gaurav M.Shinde	Biofertilizer.
	27	Mr Prafulla P.Bajare	
	28	Ku Roshni P.Khatri	

H	29	Ku Aasavari B.Bapat	Study of Antimicrobial Activity
	30	Ku Chandani R.Rajguru	of Garlic
	31	Mr Manish S.Chorey	
	32	Mr Ravindra S.Phokmare	
I	33	Ku Shilpa S.Gawai	Effect of Hydrogen Peroxide on
	34	Mr Ab Javed Wahid	Seed germination.
	35	Ku Sneha S.Ghumse	
	36	Mr Swapnil G.Malokar	

21. Any other highlights:

Linkages of the Dept.: Department have linkages with the following institutes for research:

- Dr. Punjabrao Deshmukh Agricultural University,
- National Environmental Engineering Research institute Nagpur,
- Leben Pharmaceutical Pvt. Ltd. Akola
- Wockardt Research Division, Aurangabad,
- Maharashtra State Pollution Control Board.
- Govt. Medical College, Akola
- National Chemical Laboratory, Pune
- Center for DNA finger printing and Diagnostics, Hyderabad.

Programmes arranged / Invited lectures:

Sr. No.	Name of Activity	Name of the speaker	Date	Topic of lecture	Beneficiaries
1	Felicitation of Dr. K. Kusuma Kumari	Dr. K. Kusuma Kumari	8/11/07	Expirations of feelings	All Students of Microbiology and Biotechnology
2	Felicitation of Dr. M. Musaddiq. For Elected as chairman BOS, SGB Amravti Uni. Amravti	Dr. M. Musaddiq	1/12/07	Reply to felicitation & Expirations of feelings	M.Sc. Students. Research fellows and Staff
3	Felicitation of Dr. A.S Pethe Dr. V. D. Nanoty for their nomination as Member, BOS, SGB Amravti Uni. Amravti	Dr. A.S Pethe and Dr. V. D. Nanoty	1/12/07	Reply to felicitation & Expirations of feelings	M.Sc. Students. Research fellows and Staff
4	Guest Lecture	Dr.S.P. Gowindwar. Prof. & Head, Dept. of biotech, Shivaji University Kolhapur	9/7/07	Prospects in Biotechnology	M.Sc. Students. Research fellows
5	Guest Lecture	Dr. S. R. Dave,	20/7/07	Research after	M.Sc. Students.

		Head, Dept. of Micro & Biotech, Gujrat Univ. Ahamadabad.		M.Sc.	Research fellows
6	Guest Lecture	Dr. Irshad Ahmed, Scientist, TB irradiation, Govt. of Oman, UAE.	8/11/07	Prospects of Microbiology in abroad	All Students of Microbiology and Biotechnology
7	Guest Lecture	Dr. N.G.V.Rao, Associate professor Dr. P.D.K.V. Akola	15/12/07	Bioinsecticides	Participants of students conference of all affiliated colleges.
8	Guest Lecture	Dr. S.G.Gupta, Head, Dept. of biotech, Gov Institute of science Aurangabad.	15/12/07	Biobleaching & its applications	Participants of students conference of all affiliated colleges.
9	Guest Lecture	Dr. R. D. Garge, Principal, Govt. college, Aurangabad.	15/12/07	Human genome	Participants of students conference of all affiliated colleges.
10	Guest Lecture	Dr. A. M. Deshmukh, Prof. & Head, Dept. of Microbiology, Dr.B.A.Marathwada Uni. Osmanabad Sub centre.	15/12/07	Biofertilizers & their prospective.	Participants of students conference of all affiliated colleges.
11	Guest Lecture	Dr Saify Tayyab, Prof. & Head, Dept. of Botany, Safiya college Bhopal.	13/2/08	Personality development	M.Sc. Students. Research fellows and Staff