

K.S. RANGASAMY COLLEGE OF TECHNOLOGY

(An Autonomous institution affiliated to Anna University, Chennai)

(Accredited by NBA, Accredited by NAAC – ‘A’ Grade and Approved by AICTE)

K.S.R. Kalvi Nagar, Tiruchengode – 637 215

DEPARTMENT OF BIOTECHNOLOGY

ANNUAL REPORT FOR THE ACADEMIC YEAR 2012-13



Submitted by

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June 2013

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“To know, is to know that you know nothing. That is the meaning of true knowledge - Socrates”, with this inspiring quote I humbly present the annual report of our department for the academic year 2012-2013 by highlighting all the academic and non academic accomplishments by the staff members and students.

1. Department Profile

The Department of Biotechnology was started in the year 2002, with the primary aim of providing high quality education in Biotechnology from the formative years of bachelor degree to Ph.D., program to rural people of Tamil Nadu. We are very happy to submit the annual report for the academic year 2012-13 in which the activities of staff members and students of Biotechnology Department are enormous and noteworthy.

1.1. Ranking

According to survey conducted by “Biospectrum Asia Magazine”, Bangalore (Cyber media magazine) our Department ranked **4th position out of 280 private institutions** offering Biotechnology course in India, with respect to teaching-learning process, quality in education, placement, infrastructure and academic achievements. [“Biospectrum Asia Magazine”, Bangalore (Volume 11, Issue No. 5, May 2013).]

1.2. Courses offered

UG: B.Tech. Biotechnology with an intake of 60 students per year

PG: M.Tech. Biotechnology with an intake of 18 students per year

1.3. Lab facilities

The department is constructed with excellent infrastructure and state of art laboratories. At presents the department holds 11 laboratories with well sophisticated and advanced facilities. The lists of laboratories are as follows,

- Microbiology lab
- Cell Biology and Immunology lab
- Molecular Biology and Genetic Engineering lab
- Cancer Biotechnology lab
- Biochemistry lab

- Bioprocess lab
- Bio organic chemistry lab
- Chemical Engineering and Downstream Processing lab
- Bioinformatics and Molecular Modeling lab
- Plant tissue culture lab
- Common Instrumentation lab

1.4. Annual Budget

The management is magnanimous for allocating sufficient fund to the department towards the procurement of equipment, glassware and chemicals covering recurring and non recurring budget head. This year a tune of Rs 16.37 lakh was sanctioned to the department.

S.No.	Purpose	Amount in Rs.
1.	Recurring	3,75,000
2.	Non-recurring	11,45,000
3.	R & D	1,17,000
4.	Total	16,37,000

1.5. Staff members

A total number of 19 faculty members are working in the department with various specializations as per the AICTE norms to scatter the knowledge in Biotechnology to the student communities. Among the teaching staff members, seven of them are pursuing Ph.D., program. In addition, there are 11 supporting staff members working in different laboratory which also includes three programmers.

S. No	Name and designation of staff	Qualification
1.	Dr.P.Ponmurugan, Professor and Head	M.Tech., Ph.D.,
2.	Ms. Puniethaa Prabhu, Associate Professor	MCA.,PGDBI,M.Phil., (Ph.D.,)
3.	Dr.V. Balakrishnan, Associate Professor	M.Sc., M.Phil., Ph.D.,
4.	Dr. J.Philip Robinson, Associate Professor	M.Sc., M.Phil., Ph.D.,
5.	Ms.B. Bagyalakshmi, Associate Professor	M.Sc., M.Phil., (Ph.D.,)
6.	Ms.B.Kalpana, Assistant Professor	M.Sc., M.Tech.,
7.	Ms. S. Anita, Assistant Professor	M.Sc., (Ph.D.,)
8.	Ms.M.Ramya, Assistant Professor	M.Sc., (Ph.D)

9.	Dr.K. Poongothai, Assistant Professor	M.Sc., M.phil., Ph.D.,
10.	Ms.R. Arutselvi, Assistant Professor	M.Sc., M.Phil.,(Ph.D.,)
11.	Mr.M.Abishek, Assistant Professor	M.Tech.,
12.	Mr.R. Subbaiya, Assistant Professor	M.Tech., (Ph.D.,)
13.	Mr.I.Muthiah, Assistant Professor	M.Tech.,
14.	Mr.S.Venkatesh Prabhu, Associate Professor	M.Tech., (Ph.D.,)
15.	Mr.R.Arulvel, Assistant Professor	M.Tech., MBA.,
16.	Dr.M.Balasubramaniam, Assistant Professor	M.Sc., Ph.D.,
17.	Ms.S.Poornima, Assistant Professor	M.Tech.,
18.	Ms.M.Nithya, Assistant Professor	M.Sc., M.Phil.,
19.	Mr.M.Karthikeyan, Assistant Professor	M.Tech.,

2. Performance report of the department

2.1. Neomutants – Association activity

Contemporary research in the area of Biotechnology has witnessed an enormous growth in the past few decades in order to keep abreast with the latest developments in the field of Biotechnology, an extremely high level of understanding and awareness is created for the student communities by the Department. Further the department also encourages scientist, academicians, administrators, policy makers and entrepreneurs to enhance the vision of budding biotechnologists. On focusing on these targets the department has created an association which runs for the students and by the students for organizing special guest lecture programs and other technical functions.

In this regard, the association inaugural function for this academic year was held on 03th July, 2012, Tuesday at 10.30 am with the esteemed presence of **Dr. D.Ramesh Kumar, MD, Salem Microbes, Salem, Tamil Nadu** as Chief Guest in which he came out with a excellent speech about the “**Biotechnology in Future**” in the presence of Dr.K.Thyagarajah, Principal and HoD along with members of Department of Biotechnology.

2.2. Guest Lectures organized by the department

S.No	Date	Name of the Programme	Name of the Resource Person
1	03.07.12	Association Inaugural Function	Dr.D.Ramesh Kumar Managing Director Salem Microbes Pvt Ltd, Salem
2	31.07.12	Meritorious Award Function	Mr.G.Sivakumar Ms.V.Anandha Priya PPTS, Coimbatore
3	21.09.12	Guest Lecture on ‘Modeling and simulations’	Mr.S.Sivamani Associate Professor Department of Biotechnology Kumaraguru College of Tech, Coimbatore
4	26.12.12	Guest Lecture on ‘Biotechnology in Industrial Application’	Dr.P.Arumugam Director, Armat’s Biotek Pvt Ltd, Chennai.
5	04.01.13	Guest Lecture on “Guidelines to Prepare the Research paper for publication”	Dr.Sanjeeva Nayaka Scientist, Lichenology laboratory, NBRI, Lucknow.
6	23.01.13	Personality Development Programme for Graduates	Dr.A.Lakshmi Director, Department of Management Studies, K.S.R.C.T.
7	13.02.13	Guest Lecture on “Molecular Docking and its applications towards Modern Drug Discovery”	Mr.P.Parasuraman UGC-BSR Research Fellow Department of Pharmacy Faculty of Engineering & Technology, Annamalai University.
8	20.02.13	Guest Lecture on “An overview of Antibacterial New Drug Discovery”	Dr.S.Maneesh Paul Associate Director Anti-Infectives, Drug Discovery Research Orchid Chemicals and Pharmaceuticals Limited, Chennai.
9.	05.02.12	Writing of paper for publication and Project report preparation	Dr.Sanjeeva Nayaka Scientist, Lichenology laboratory, NBRI, Lucknow.

2.3. Conferences organized by the department

Name of the Coordinators	Title	Conducted at	Sponsored by	Date
Dr.P.Ponmurugan, Ms.P.Puniethaa prabu	Annual Meeting of the Society for Biotechnologist in India and Conference on Current Scenario in Biotechnology SBTI-CSB 2012	Cyberdome, KSRCT	AICTE, MoEF, DBT.	27.09.2012 to 29.09.2012

2.4. Workshops conducted by the department

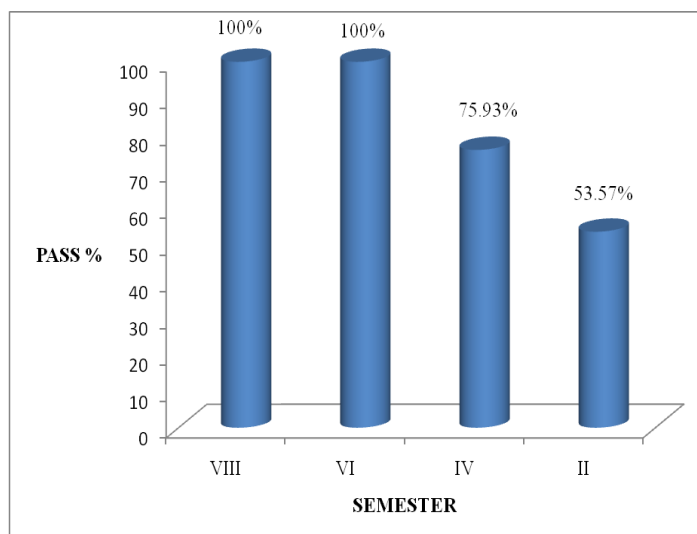
S.No	Title of the workshop	Name of the trainer	Date	No. of students participated	Workshop coordinator
1.	Advanced techniques in molecular biology	Mr. Satheesh kumar and Ms. Hema, MEDOX Pvt. Ltd, Chennai	02.08.2012 and 03.08.2012	65	Ms.B.Kalpana
2.	Workshop on Medical coding	Ms.Sumilla, ALDOS, Bangalore.	13.08.2012 and 14.08.2012	100	Mr.M.Abishek

2.5. Result analysis

END SEMESTER APR/MAY 2012

Autonomous end semester results APR/MAY 2012 for B.Tech Biotechnology have been published. The analysis revealed that the students of VIII semester and VI semester produced 100% result. The students of IV and II semester have secured overall pass percentage of 75.93% and 53.57% respectively.

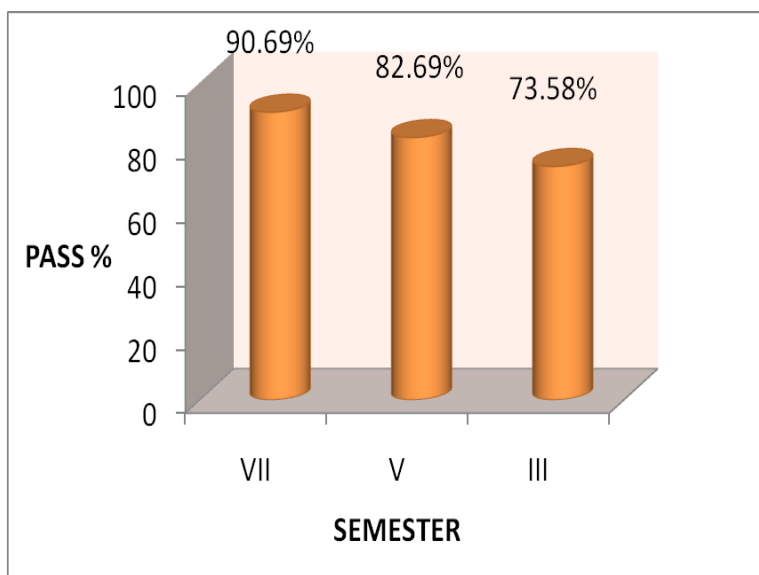
The overall result of Department of Biotechnology is 81%.The analysis showed that the results were improved progressively as the students move to their higher semesters.



END SEMESTER NOV/DEC 2012

Autonomous End Semester results (December 2012) for the academic year 2012-13 (Odd semester) have been published. Based on the results the following analysis was made to examine the academic performance of the students.

Seventh semester (batch 2009-2013) results showed the pass percentage of 90.69%, fifth semester (batch 2010-2014) and third semesters (batch 2011-2015) results showed 82.69% and 73.58% respectively. The results revealed that while students are moving to higher semesters the overall pass percentage increases gradually.

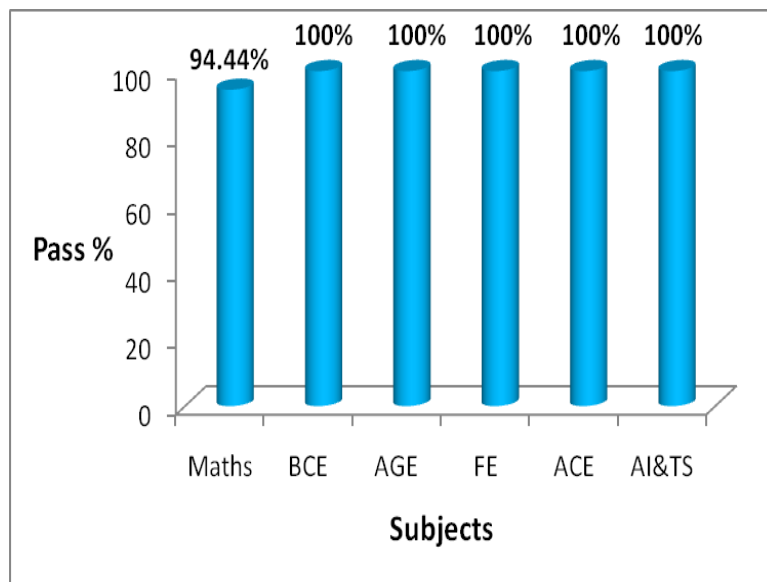


In seventh semester, cent percent result was achieved in the subject of Total Quality Management and two elective subjects like Cancer Biology and System Biology. In all other subjects pass percentage was above 90%. Fifth semester results showed more than 88% was obtained in all the subjects except Food Science and Technology of which 100%. Third semester results depicted more than 80% in all the subjects and 100% was registered in Cell Biology and Genetics.

M.Tech Biotechnology

M.Tech Biotechnology Programme was started in the academic year 2012-2013 with the intake of 18 students. Autonomous End Semester Examination results (Dec 2012/Jan 2013) for the first

semester M.Tech Biotechnology (2012-1014) has been announced. The overall pass percentage was 94.44%, it shows that the academic performance of M.Tech students is good and upto the mark.



By seeing the individual subjects, except Mathematics for Biotechnologist other subjects like Biochemical Engineering, Advanced Genetic Engineering, Fermentation Engineering, Advanced Chemical Engineering and Analytical Instruments & Trouble shooting the pass percentage was 100%.

100% Result Details

<u>Even Semester (2011-2012) for B.Tech Biotechnology</u>					
S.No.	Sub. Code	Subject Name	Staff Name	Sem	% of Pass
1.	08230801C	Biopharmaceutical Technology	Dr.P.Ponmurugan & Mrs.K.Poongothai	VIII	100
2.	08230884E	Clinical Trial Management	Mr.M.Abishek & Mr.I.Muthiah	VIII	100
3.	08230893E	Bio-Business	Dr.V.Balakrishnan & Mr.R.Arulvel	VIII	100
4.	08230602C	Immunology	Ms.B.Bagyalakshmi	VI	100
5.	08230603C	Molecular Modeling and Drug Designing	Ms.Puniethaa Prabhu	VI	100
6.	08230604C	Protein Engineering	Ms.M.Ramya	VI	100
7.	08230642E	Genomics and Proteomics	Mr.M.Balasubramanian	VI	100
8.	08230651E	Food Science & Technology	Ms.S.Anita	VI	100

S.No.	Sub. Code	Subject Name	Staff Name	Sem	% of Pass
1.	08230773E	Cancer Biotechnology	Mr.R.Subbaiya	VII	
2.	08230774E	System Biology	Ms.Puniethaa Prabhu & Mr.M.Abishek	VII	
3.	10 BT 501	Food Science and Technology	Ms.S.Anita	V	100
4.	10 BT 302	Cell Biology and Genetics	Dr.J.Philip Robinson	III	100

Even Semester (2011-2012) for M,Sc Biotechnology

S.No.	Sub. Code	Subject Name	Staff Name	Sem	% of Pass
1.	10MBT201	Immunology	Ms.R.Arutselvi	II	100
2.	10MBT202	Molecular biology and r-DNA Technology	Ms.M.Nithya & Mr.Himanshu Pandey	II	100
3.	10MBT203	Plant Biotechnology	Dr.J.Philip Robinson	II	100
4.	10MBT204	Animal Biotechnology	Ms.R.Nithya	II	100
5.	10MBT205	IPR,Biosafety and Bioethics	Ms.K.Sindhu	II	100
6.	10MBTE11	Drug and Biologically active Compounds	Ms.K.Parimala Devi & Dr.J. Philip Robinson	II	100

Odd Semester (2012-2013) for M.Tech Biotechnology

S.No.	Sub. Code	Subject Name	Staff Name	Sem	% of Pass
1.	10PBT102	Biochemical Engineering	Mr.M.Karthikeyan	I	100
2.	10PBT103	Advanced Genetic Engineering	Ms.B.Kalpna	I	100
3.	10PBT104	Fermentation Engineering	Mr.R.Arulvel & Mr.R.Subbaiya	I	100
4.	10PBT105	Advanced Chemical Engineering	Mr.S.Venkatesa Prabhu	I	100
5.	10PBT106	Analytical Techniques and Trouble shooting	Dr.M.Balasubramanian	I	100

2.6. Other achievements and activities

- An in-house magazine called “Biozoom” is regularly released by the Department of Biotechnology every semester in which research articles, general articles, legendary works, new innovations, interesting facts and figures are compiled and edited by our own students and staff members. A total of seven issues have been released so far. In this academic year, Biozoom Volume 5, Issue 1 has been released along with the ISSN No: 2250 0693.

- A successful Alumni meet was conducted on 18th September 2012, in which around 60 alumni participated and shared their experience on and off the campus of KSRCT. This event was successfully organized by Mr.M.Karthikeyan and executed well with the cooperation of all staff members. During this occasion, an Alumni souvenir book was released successfully. Dr.R.Premkumar, Assistant Director, UPASI Tea Research Institute, Valparai, was the chief guest for alumni day function.

3. Performance report of the faculty members

3.1. Ongoing Projects

S.No	Principal Investigator (Name and Designation)	Title of the project	Sponsoring Agency	Date of Sanction	Valid up to	Funds received in Rs.
1.	Dr.P.Ponmurugan Dr.Rama S. Verma (Indian Institute of Technology- Madras, Chennai)	Evaluation of antioxidant properties of lichens obtained from Eastern Ghats for Biomedical applications	Indian Council of Medical Research (ICMR), New Delhi.	ICMR No. 59/14/2008/B MS/TRM dated 17-03-2011	21 st March 2014	14,24,934/-
2.	Dr.N.Mathivanan (University of Madras, Chennai) Dr.P.Ponmurugan	Development of PGPR formulations for the management of rhizome rot of turmeric plants	Department of Biotechnology, New Delhi	BT/PR13718/AGR/05/498/2010 dated June 20, 2011	21 st June 2014	42,75,000/-
3.	Dr.P.Ponmurugan and Mr.R.Subbaiya	Mass production of antibiotics from <i>Streptomyces</i> spp. for biomedical applications through Bioprocess Engineering	AICTE, New Delhi	April 2013	April 2016	Rs.8,600,00/-

3.2. Proposals submitted for funding agency

S.No	Principal investigator	Title of Project	Sponsoring agency	Fund expected in Rs.
1.	Dr. P. Ponmurugan	Evaluation of bioactive compounds and gold and silver nano particles biosynthesized from marine sponge associated <i>Actinomycetes</i> for Biomedical applications	Ministry of Earth Sciences, New Delhi.	31,00,000/-
2.	Dr. P.Ponmurugan and Dr. S.Rama S Varma, (IIT Madras, Chennai)	Evaluation of anti-diabetic properties of S-allylcysteine: Effect on Polyol pathway, Glut4 protein and mRNA expression of antioxidant enzymes in experimental Diabetes	ICMR, New Delhi	31,95,350/-
3.	Dr.P.Ponmurugan, Dr.V.Balakrishnan, Dr.J.Philip Robinson along with 14 other experts in Tamil Nadu	Application of microorganisms in sustainable agriculture.	Department of Biotechnology, New Delhi	Rs 7.25 Crore
4.	Dr.P.Ponmurugan Dr.V.Balakrishnan Sanjeeva Nayaka NBRI, Lucknow	Studies on diversity, biomedical applications and conservation of lichens from 'Palani Hills Wildlife Sanctuary and National Park', Tamil Nadu	Ministry of Environment and Forestry, New Delhi	Rs.46,64,160/-
5.	Dr.P.Ponmurugan	Evaluation of antibiotics producing <i>Streptomyces</i> spp. against rhizome rot disease in turmeric	UGC, New Delhi	Rs.15,00,000/-
6.	Dr.N.Mathivanan, Dr.P.Ponmurugan, Dr.V.Shanmugaiah Dr.Sithanandham and Prof. John Poté University of Geneva Switzerland	Development of bioformulation for the ecofriendly management of major insects and diseases of finger millet and pigeon pea and their biosafety assessment	Indo-Swiss Collaborative Project Scheme, DBT, India and Switzerland	Rs.35,00,000/-
7.	Dr.P.Ponmurugan Ms.M.Ramya	Biosynthesis of copper nanoparticles from electroplating industry effluents and their evaluation against rhizome rot pathogen in turmeric plantations	DST, Nanomission, New Delhi	Rs.35,00,000/-
8.	Mr.I.Muthiah Dr.P.Ponmurugan., Dr.P.Arumugam	Short term training programme for the use of Biofertilizers to improve the yield potential and maintain soil health for the benefit of turmeric farmers	AICTE, New Delhi	24,10,000/-

9.	Dr. J. Philip Robinson	ˆ Biosynthesis Of Silver Nanoparticles from tissue cultured leaf Extracts Of <i>Moringa Concanensis</i> Nimmo Ex Dalz & Gibson And <i>Caralluma Altenuata</i> Wight For Anticancer Drug Screening	SERB- DST	23,00,000/-
10.	Dr. J. Philip Robinson	<i>In vitro</i> radiation induced and chemical mutagenesis in Sesame (<i>Sesamum indicum</i> L.) for the selection of high yielding variety	DAE, Mumbai	18,00000/-
11.	Dr.P.Ponmurugan B.Kalpana	Empowering Women through Technical Rural Entrepreneurship Development Programme (Processing, formulation and marketing technology for medicinal and aromatic plants)”	AICTE	Rs.5,00,000
12.	B.Kalpana	Technical Workshop on Forensic DNA Technology for Biotechnology Graduates	DBT	Rs.1,00,000

3.3. MoU signed

S.No	Name of the organization MoU signed with	Purpose of MoU	Signed on	Period
1.	Point Perfect Transcription Services (India) Pvt. Ltd, Coimbatore.	Placement Faculty development programme	08.02.2013	3 Years
2.	ARMATS Biotek Private Ltd, Chennai	Research and Development	27.12.2013	5 Years
3.	Virtis Bio Labs, Salem	Collaborative research and Placement	11.04.2013	3 years
4.	St.Martha Hospitals, Bangalore	Research and Development	25.05.2013	3 years

3.4. Journal Publications (National and International)

S. No	Name of all the Authors	Title of the Paper	Name of the Journal	Volume No., Page No. and Year	National / International	Impact Factor
1.	Ramya,M and	Management of	Crop	Vol 44,	Internatio	IF:1.

	Ponmurugan,P.	<i>Cephaleuros parasiticus karst</i> , an algal pathogen of tea plant, <i>Carnellia sinsensis</i> (L)	protection	2013, Pp; 66-74	nal	47
2.	Ramya, M. Ponmurugan, P. and Saravanan, D.	Host pathogen interaction studies between susceptible and tolerant tea clones in relation to red rot disease.	International Journal of algae	Vol 14(4), 2012, Pp. 379-388	International	-
3.	Ponmurugan, P. Monica, C. and Mathivanan, N.	Survey and Biocontrol of Rhizome rot disease in southern Indian turmeric plantation.	Journal of Biotechnology and Biomaterials	Vol 8, 2012, Pp. 22-23	International	-
4.	Monica, C. and Ponmurugan, P.	Floral dyes: An eco friendly and cost effective alternative for the synthetic textile dyes.	Journal of Biotechnology and Biomaterials	Vol 8, 2012, Pp. 23-24	International	-
5.	Sanjeeva Nayaka, Dalip K. Upreti, Ponmurugan.P and Ayyapadasan Ganesan.	Two new species of saxicolous Pyxine with yellow medulla from southern India	The Lichenologist (British Journal of Lichens)	Vol 45(1) Pp: 3-8, 2013.	International	IF: 1.4
6.	Saravanan G and Ponmurugan P.	<i>Amerathus viridis</i> Linn, (Common spinach) modulates C-reactive protein, protein profile, ceruloplasmin and glycoprotein analysis	Journal of Science, Food and Agriculture	Vol 92(1), 2012, Pp. 2459-2464	International	-
7.	Bagyalakshmi.B, Ponmurugan.P and Marimuthu.S.	Interface of potassium solubilizing bacteria on crop productions and quality of tea.	African journal of agricultural research.	Vol 7(30), 2012, Pp. 4250-4259	International	0.2
8.	Bagyalakshmi.B, Ponmurugan.P and Balamurugan.A	Impact of different temperature, carbon and nitrogen sources on solubilization efficiency of native potassium solubilizing bacteria from tea.	Journal of Bioscience and research	Vol 3(2), 2012, Pp. 136-142	International	-
9.	S.Anita, P.Ponmurugan and R.Ganesh Babu	Significance of secondary metabolites and enzymes secreted by <i>T.atroviride</i> isolates	African Journal of Biotechnology	Volume 11, Issue 45, Pp. 10350 - 10357	International	0.5

		for biological control of <i>Phomopsis</i> canker disease.		Year 2012.		
10.	B.Bagyalakshmi and P.Ponmurugan	Compatibility study of indigenous plant growth promoting <i>Rhizobacteria</i> with inorganic and organic fertilizer used in tea.	International Journal of Agricultural research	Volume 7, Issue 3, Pp. 144 - 151 Year 2012.	International	-
11.	B.Nithya and P.Ponmurugan	Studies on <i>Actinomycetes</i> diversity in Eastern ghats of southern India for secondary metabolite production	International Journal of Agricultural research	Volume 3, Issue 6, Pp. 152 - 159 Year 2012.	International	-
12.	Arutselvi R. Balasaravanan T. Ponmurugan P. Suresh P. Ramachandran N.	Comparative studies of anti-microbial activity of turmeric and selected medicinal plant leaf extracts used in Indian Traditional medicine	Journal of herbs, Spices and Medicinal Plants	Vol 18(3), 2012, Pp. 231-239	International	-
13.	Arutselvi R. Balasaravanan T. Ponmurugan P. Adeena Ane Joel	Effect of various biopesticides and biocides on the leaf pest, <i>Udaspes folus</i> of turmeric plants	Journal of Biopesticide	Vol 5(1), 2012, Pp. 51-56	International	-
14.	Arutselvi R. Ponmurugan P. Balasaravanan T. Suresh R.	Formulation of natural insecticides against <i>Panchaethrips indicus</i> Bagnall in <i>Curcuma longa</i> L.leaves of PTS and Erode varieties	Journal of Biopesticides	Vol 5, 2012, Pp. 77-81	International	-
15.	Arutselvi R. Balasaravanan T. Ponmurugan P. Muthusaranji R.	Comparative study of enzyme activity of leaves of turmeric varieties.	Journal of Pharmacy Research	Vol 5(4), 2012, Pp. 2137-2140	International	-
16.	Krishnasamy L, Jayanthi K and Ponmurugan P.	Biotechnological synthesis of silver nanoparticles of <i>Indigofera aspalathoids</i> leaf extracts	Discovery Life	Vol 1(1), 2012, Pp. 237-242	International	-
17.	J. Philip Robinson S. Jyothi Prasad Kakati and P. Saravana Kumar	<i>In vitro</i> seed germination of <i>Cymbidium aloifolium</i> (L.) Sw. a potential medicinal Orchid form	Journal of Biological Research	Under Review	Under Review	0.62

		Eastern Ghats of Tamil nadu				
18.	J. Philip Robinson and L. Aiswarya	In vitro regeneration of lycopersicum esculentum Mill.	Research in Plant Biology	submitted	submitted	-
19.	J. Philip Robinson and R. Jayashree	Effective Degradation and Evaluation of Coconut Waste Compost	Research in Plant Biology	submitted	submitted	-
20.	J. Philip Robinson and M. Maheswari	In vitro multiple shoot induction from nodal explants of capsicum annum L. of kandhari variety	International Journal of applied Microbiology and Plant research	submitted	submitted	-
21.	J. Philip Robinson and S. Saranya	AN IMPROVED METHOD FOR THE IN VITRO PROPAGATION OF Solanum melongena L.	International Journal of applied Microbiology and Plant research	submitted	submitted	-
22.	Murugesan Balasubramanian, Rathnam Boopathy	Purification and characterization of peroxidases from liquid endosperm of <i>Cocos nucifera</i> (L.): Biotransformation	Journal of Molecular Catalysis B: Enzymatic	Vol.90, PP. 33-42, 2013	International	IF: 2.7 (SCI journal)
23.	Nagarathnam,B., S. Kannan, V. Dharnidharka, V. Balakrishnan, G. Archunan and R. Sowdhamini.	Cross-genome clustering of human and <i>C. elegans</i> G-protein coupled receptors	Journal of Evolutionary Bioinformatics	Vol,8,pp. 229-259	International	2.7
24.	Balakrishnan,V,V.Pr abhu and T.Sundari	Biodiversity assessment in Rameswaram island,Gulf of Mannar Biosphere, Research In Plant Biology	Asian Journal of Plant Science Research,	Vol.2,No.4, pp539-545.	International	-
25.	Elavazhagan T and V.Balakrishnan	Antibacterial activity of <i>Kedrostis foetidissima</i> (jacq)Cong”	International Journal of Current Microbiology and Applied	Vol.2, No.4,pp.104 -107		

			Sciences,			
26.	Balamurugan V and V.Balakrishnan	Evaluation of phytochemical, pharmacognostical and antimicrobial activity from the bark of <i>Moringa concanensis</i> Nimmo	International Journal of Current Microbiology and Applied Sciences,	Vol.2, No.4, pp.117-125	International	-
27.	M.Abishek	Isolation, Screening, Characterization and determination of B-Complex vitamins by lactobacillus from different sources of meat	International Journal of pharmaceutical Sciences and Research	3(6), 1828-32, 2012	International	0.42
28.	R.Subbaiya, M.Priyanka, M.MasilamaniSelvam	Formulation of Green Nano-Fertilizer to Enhance the Plant Growth through Slow and Sustained Release of Nitrogen	Journal of Pharmacy Research	5(11), 5178-5183, 2012	International	
29.	S.Venkatesaprabhu and G.Bharath.	Column biodesulphurization of bituminous coal by acidithiobacillus ferrooxidans isolate	International Journal of Future Biotechnology	1(1), 1-8, 2012	International	-
30.	S.VenkatesaPrabhua, S.Harish, S.Narasimman, Yoga Vignesh Chandra.	Biosorption studies of heavy metals from synthetic effluents	International Journal of Bioprocess Techn	1(1), 1-9, 2012	International	-
31.	VenkatesaPrabhu.SP oornima.S, Nithya.M and Sirajudheen.R	Evaluation of extraction parameters and dyeing effect of 2-hydroxy-1, 4-naphthoquinone from henna (<i>lawsoniainermis</i>)	International Journal of Future Biotechnology	2(1), 1-5, 2013	International	-
32.	S.VenkatesaPrabu, R.Arulvel, M.Ishwarya, T.R.Sriramand C.Arunkumar	Cytotoxic potential of extracts of <i>punica granatum</i> fruits and bark against hela cell lines	International Journal of Pharmacy Research	2(1), 1-14., 2013.	International	-
33.	Puniethaa Prabhu and Duraiswamy	Enhanced Dark Block Extraction method performed	International Journal of	Vol. 8, No. 2, pp. 275-293, 2013	International	0.6

		automatically to determine the number of clusters in unlabeled data sets	Computers, Communications and Controls			
34.	Puniethaa Prabhu and Duraiswamy	An Efficient Visual Analysis method for Cluster Tendency Evaluation, Data Partitioning and Internal Cluster Validation	Computing and Informatics	Vol. 31, No. 5, 2013	International	0.4
35.	B.Kalpana, S.N.Gautham Hari Narayana	Lipase production from waste engine oil using microbial strains	International Journal of Bioprocess Technology	Year- 2012, Volume 1(1), Page No1-6	International	
36.	S.Kirubakaran M.Nithya	Effect on addition of different fruit juices on sensory and chemical quality of yogurt	The Journal of food technology (communicated)	Volume 11,2013	International	Nil

3.5. Conference/ workshops/ training programs attended by faculty members

S.No	Name of the faculty member	Publications		Conferences		Workshop /FDP/ Training programs attended
		National	International	National	International	
1	Dr. P.Ponmurugan	4	5	1	2	1
2	Mrs. PuniethaaPrabhu	-	2	1	1	3
3	Dr.V. Balakrishnan	1	2	1	1	-
4	Dr.J. Philip Robinson	-	1	1	-	-
5	Mrs.B. Bagyalakshmi	-	1	-	-	1
6	Mrs.M.Ramya	-	2	1	-	1
7	Mrs.K. Poongothai	-	1	1	-	-
8	Mrs.R. Arutselvi	5	1	1	-	1
9	Mr.R. Subbaiya	1	3	3	2	1
10	Mr.I.Muthiah	-	-	2	1	1
11	Mr.S.Venkatesa Prabhu	-	4	4	1	1
12	Mr.R.Arulvel	-	1	2	-	-
13	Dr.M.Balasubramanian	-	-	1	1	1
14	Ms.S.Poornima	-	1	1	-	2
15	Mr.M.Karthikeyan	-	-	2	-	1
16	Mrs.B.Kalpana	-	1	2	-	1

17	Mrs. S. Anita	-	3	1	-	1
18	Mr.M.Abishek	-	1	-	-	-
19	Mrs.M.Nithya	-	1	1	-	1

3.6. Faculty members visited abroad

S.No	Name of all the Authors	Title of the Paper	Title of the Conference	Venue	Date
1.	P.Ponmurugan	Management of <i>Phomopsis canker</i> in tea plantations using <i>Trichoderma harzianum</i> under field conditions	The 12 th International <i>Trichoderma</i> and <i>Gliocladium</i> workshop	Lincoln Univeristy, Christchurch. New Zealand	27.08.2012 to 30.08.2012
2.	P.Ponmurugan	Survey of various biocontrol agents southern Indian turmeric plantation for the biological control of rhizome rot disease	Third Asian Congress on PGPRs	Hotel Hyatt, Manila, Philippines	21.04.2013 to 24.04.2013

3.7. Sequences submitted at NCBI, USA

S.No	Name of the organisms	Accession number	Name of the Faculty member
1.	<i>Cercospora species</i> KC10-1 Strain	JQ002571.1	Mrs.B.Mythili Gnanamangai and Dr.P.Ponmurugan
2.	<i>Cercospora theae</i> VC38-3 Strain	JQ002573.1	Mrs.B.Mythili Gnanamangai and Dr.P.Ponmurugan
3.	<i>Bacillus subtilis</i>	KC823231	Mr.S.Prasanna and Dr.V.Balakrishnan
4.	<i>Pseudomonas spp.</i>	KC823232	Mr.S.Prasanna and Dr.V.Balakrishnan
5.	<i>Bacillus tequilensis</i>	KC822925	Mr.S.Prasanna and Dr.V.Balakrishnan
6.	<i>Bacillus subtilis</i>	KC822926	Mr.S.Prasanna and Dr.V.Balakrishnan
7.	<i>Bacillus subtilis</i>	KC822927	Mr.S.Prasanna and Dr.V.Balakrishnan
8.	<i>Bacillus flexus</i>	KC849389	Mr.S.Prasanna and Dr.V.Balakrishnan
9.	<i>Nocardiopsis dassonvillei</i>	JX254902	Mr.R.Subbaiya
10.	<i>Nocardiopsis metallica</i>	JX254903	Mr.R.Subbaiya
11.	<i>Streptomyces spp.A</i>	KF027207	Ms.B.Nithya, B.Kalpna, P.Ponmurugan
12.	<i>Streptomyces spp.B</i>	KF027208	Ms.B.Nithya, B.Kalpna, P.Ponmurugan
13.	<i>Streptomyces spp.C</i>	KF027209	Ms.B.Nithya, B.Kalpna, P.Ponmurugan
14.	<i>Streptomyces spp.D</i>	KF027210	Ms.B.Nithya, B.Kalpna, P.Ponmurugan
15.	rbcL gene from <i>Cephaleuros parasiticus</i> karst	KC559111	Ms.M.Ramya and P.Ponmurugan
16.	<i>Pseudomonas putida</i> Strain	KC820813	Ms.K.Manju Karunambika and

	E16		P.Ponmurugan
17.	<i>Isoptericola variabilis</i>	1628659	Subbaiya,R., Rajesh Muthu,M., Muthiah,I. and Masilamani Selvam,M.
18.	<i>Nocardiopsis dassonvillei</i>	1626490	Kalaiselvi,M. and Subbaiya,R.
19.	<i>Nocardiopsis alba</i>	1626479	Lalitha,A. and Subbaiya,R.
20.	<i>Nocardiopsis spp.</i>	1548022	Subbaiy,R., Masilamani Selvam,M, Ranjith Kumar,V, Silambarasan,P, Manoj kumar,S.

3.8. Details of patents (Indian patent filed)

S.No.	Title of the patent	Patent holder's name	Reference Number
1.	Production of secondary metabolites from acid tolerant actinomycetes (<i>Streptomyces sannanensis</i> KSR11) and their analysis by GC-MS method	B.Mythili, P.Ponmurugan, and N.Mathivanan	1366/CHE/2013 dated. 27.03.2013

3.9. Awards/ Honors/ Scholarships received by faculty members

S.No	Name of the Faculty	Name of the award	Awarding Authority	Amount in Rs.	Nature of award
1.	Mr. R.Arulvel	Young Scientist Fellowship	TNSCST, Chennai	Rs.22,532/-	Research Fellowship
2.	Mr.M.Karthikeyan	Summer faculty research fellowship	IIT Delhi, New Delhi.	Two months internship at IIT Delhi.	Research Fellowship

3.10. Details of Ph.D., research guidance by faculty members

S.No	Name of the Ph.D., Scholar	Name of the research guide	Name of the University	Title of the Ph.D., Thesis	Status
1.	G. Saravanan	Dr.P.Ponmurugan	Bharathiar University, Coimbatore	Biochemical evaluation and antidiabetic properties S-Allyl cysteine of garlic on Streptozotolin induced experimental diabetes in rats	Awarded
2.	K.M. Johnson	Dr.P.Ponmurugan	Vinayaka Missions University, Salem	Analysis of quality parameters of drinking water in Delhi	Awarded
3.	K. Poongothai	Dr.P.Ponmurugan	Bharathiar University, Coimbatore	Evaluation of antidiabetic potential of field grown and tissue	Awarded

				cultured plants of <i>Solanum xanthocarpum</i> Schard. and Wendl. on alloxan - induced experimental diabetes in rats	
4.	B. Mythili Gnanamangai	Dr.P.Ponmurugan	Anna University, Coimbatore	Studies on <i>Cercospora theae</i> , a causal organism of Bird's eye spot disease in tea plants	Awarded
5.	K. Suresh Kumar	Dr.P.Ponmurugan	SASTRA University, Thanjavur	Molecular cloning and characterization of the gene coding for azoreductase from <i>Pseudomonas aeruginosa</i> isolated from soil	Awarded
6.	R. Subashini	Dr.P.Ponmurugan	Vinayaka Missions University, Salem	Studies on the effect of <i>Nelumbo nucifera</i> on isoproterenol-induced myocardial infarction in Male Albino wistar rats	Awarded
7.	M.R. Anil Kumar	Dr.P.Ponmurugan	Vinayaka Missions University, Salem	Studies on selected drinking water quality parameters from different water sources in various states of India and the evaluation of suitable technologies for its purification	Awarded
8.	T. Kannan	Dr.P.Ponmurugan	Vinayaka Missions University, Salem	Evaluation of commercial biofertilizers containing <i>Azospirillum</i> on the growth of cereals	Awarded
9.	K.C. Rohit	Dr.P.Ponmurugan	Vinayaka Missions University, Salem	Studies on fungal microflora in Industrial effluents and their impact on some crop plants	Awarded
10.	B. Bagyalakshmi	Dr.P.Ponmurugan	Anna University, Chennai	Evaluation of Potassium solubilizing bacteria in tea fields for increased productivity and soil health	Viva-voce awaited
11.	S. Anita	Dr.P.Ponmurugan	Anna University, Chennai	Evaluation of <i>Trichoderma</i> spp. isolated from southern Indian tea plantations	Viva-voce awaited

				against <i>Phomopsis</i> canker disease	
12.	M. Ramya	Dr.P.Ponmurugan	Anna University, Chennai	Molecular characterization of <i>Cephaleuros parasiticus</i> Karst, the causal agent of red rust disease in tea plants	Viva-voce awaited
13.	D. Saravanan	Dr.P.Ponmurugan	Anna University, Chennai	Standardization of culturing techniques for <i>Cephaleuros parasiticus</i> Karst, the causal organism of red rust disease in tea plants	Viva-voce awaited
14.	B.Nithya	Dr.P.Ponmurugan	Anna University, Chennai	Isolation, characterization and evaluation of actinomycetes from Eastern Ghats for biomedical applications	Viva-voce awaited
15.	V. Kanimozhi	Dr.P.Ponmurugan	Bharathiar University, Coimbatore	Isolation, characterization and field evaluation of indigenous <i>Pseudomonas fluorescens</i> for biocontrol activity against <i>Phomopsis</i> canker in tea	Synopsis submitted
16.	B. Gangathra Prabhu	Dr.P.Ponmurugan	Bharathiar University, Coimbatore	The Pho PQ DNA binding protein as a potent transcription regulator in <i>Salmonella</i>	Synopsis submitted
17.	Nagaraja Suryadevara	Dr.P.Ponmurugan	Bharathiar University, Coimbatore	Isolation and Molecular characterization of multi-resistant <i>Pseudomonas fluorescens</i> from turmeric fields of Andhra Pradesh	Synopsis submitted
18.	B.Nagarathnam	Dr.V.Balakrishnan	Anna University, Chennai	Genome wide survey of certain mammalian GPCRS and olfactory receptors	Awarded

3.11. Topics discussed during research forum

S.No	Name of the faculty member	Date of Presentation	Topic of Presentation
1.	Dr.P.Ponmurugan	05.07.2012	Silica solubilizing bacteria for effective mineralization
2.	Ms.S.Anita	12.07.2012	Role of <i>Trichoderma</i> in tea plants
3.	Ms.R.Arutselvi	01.08.2012	Formulation of natural insecticides in <i>Curcuma longa</i> L. leaves of PTS and Erode varieties
4.	Mr.I.Muthaih	16.08.2012	Molecular Characterization of Besotrophin targeting vitally from macular dystrophy
5.	Mr.R.Subbaiya	30.08.2012	<i>In vitro</i> study of anti cancerous and anti microbial activity of biologically synthesized silver nano particles from <i>S.olivaceus</i>
6.	Mr.S.Venkatesa prabhu	13.09.2012	Kinetics of Biological removal of Heavy metals from electroplating Industrial sludge.
7.	Ms.M.Nithya	11.10.2012	Screening of alkaline protease from <i>Aspergillus fumigates</i>
8.	Mr.G.Ayyapadasan (Research scholar)	-do-	Antioxidant properties of paraneloid lichens
9.	Ms.M.Ramya	-do-	Molecular characterization of <i>Cephaleuros parasiticus</i>
10.	Ms.B.Bagyalakshmi	26.11.2012	Exploitation of <i>Pseudomonas spp</i> in tea fields
11.	Mr.M.Abishek	-do-	Review on extended release tablets
12.	Ms.Puniethaa prabu	-do-	Graph based visual assessment cluster tendency for unlabelled data sets
13.	Ms.B.Kalpana	03.01.2013	Plasmid profiling and RAPD analysis of multi drug resistant Uropathogens.
14.	Dr. M.Balasubramanian	17.01.2013	Aquaporin: Natural water purification system (A pilot study)
15.	Dr.J.Philip Robinson	13.02.2013	Invasive weeds that affects the natural plant diversity of Sathyamangalam wild life sanctuary, Tamil Nadu.
16.	Mr.M.Karthikeyan	28.02.2013	IPR issues in Biotechnology

4. Performance report of the students

4.1. Participation and paper presentation in conference/seminars

Research and development is also becoming the prime focus with the students, which also induce them to present their research findings at various conferences conducted in and out the state, by which a good number of students from Department of Biotechnology participated and presented papers in different colleges.

Program	No. of Students participated in Conference		Symposium
	National	International	National
UG	75	4	43
PG	5	-	2

4.2. Prizes won by the students at various technical and non-technical events

Our students proved that if they are provided with an opportunity they will never forget to leave their impression of success by achieving laurels. Around 50 students have brought name and fame in connection with achievements in terms of sizable number of laurels to the department from various colleges in diversified arena.

S.No.	Name and Class	Title of the Paper/ Poster	Title of the Conference	Date and Venue	Prize
1.	TR.Sriram and Vinoth Kumar.T, III B.Tech, Biotech	Non technical	OMICS'12	28.08.2012 Department of Biotechnology, Sri Venkateswara College of Engg. Chennai.	Third and Second in BIOJAM
2.	A.Abirami III B.Tech, Biotech	Management of type two diabetes using amylase and glucosidase from <i>Musa paradisiacal</i> & <i>Cardiospermum halicaeabum</i>	National conference on "Novel approaches in Biotechnology and environmental management"	23.08.2012 and 24.08.2012 Department of Biotechnology, Adhiyamaan College of Engineering, Hosur.	Third
3.	N.Sivaram III B.Tech, Biotech	Non technical	-do-	-do-	Second (Suppose and oppose)
4.	N.Praveen kumar and Y.Geetha rani	Extraction of xylo-oligosaccharides from agricultural by products	National level technical symposium – Bioviridis'12	04.09.2012 Prathyusha institute of technology and management, Chennai	Second

5.	T.R.Sriram, T.Vinoth kumar and N.Praveen kumar	Bioleaching of Galena using ALER by <i>Leptospirillum ferrooxidans</i>	-do-	-do-	Third
6.	Y.Geetha rani and N.Praveen Kumar	Extraction of xylo- oligosaccharides from agricultural by products	Recent trends in Biotechnology – SASGENIX'12	22.09.2012 Sree Sastha institute for engg. and technology, Chennai.	First
7.	N.Praveen Kumar	Technical Quiz	-do-	-do-	First
8.	S.N.Gautham Harinarayana IV B.Tech, Biotech	Isolation of novel protease gene isolated from Soil through metagenomics	SBTI-CSB'12	27.09.2012 to 29.09.2012 Department of Biotechnology, KSRCT	KAPL Award
9.	R.Subha harshni IV B.Tech, Biotech	Larvicidal efficacy of <i>Solanum xanthocarpum and Cucurbita maxima</i> plant extracts against mosquito <i>species Culex quinquefaeciatus</i>	-do-	-do-	IBS Award
10.	P.Deepak Kumar II – B.Tech, Biotech	Paper presentation	ICEHT – 2012	Sri Venkateswara University, Tirupathi 20.12.2012 to 22.12.2012	Second Prize
11.	M.Mohana Preethi II – B.tech, Biotech	Paper presentation	Microciencia – 2012	SRM University, Chennai. 17.12.2012 and 18.12.2012	Best paper award
12.	N.Praveen kumar and Y.Geetha Rani III B.Tech, Biotech	Enzymatic production of xylose oligosaccharide from agricultural byproduct.	TECHNOVATI ON'13	24.01.2013 and 25.01.2013 CIT, Coimbatore	First
13.	N.Praveen kumar III B.Tech, Biotech	Overall participation	-do-	-do-	GEM of CHEM
14.	Ashly Rajan IV B.Tech, Biotech	Paper presentation	14 th FUTURA	21.01.2013 to 23.01.2013 Bannari Amman Institute of	First

				Technology, Sathiyamangalam	
15.	Y.Geetha rani, III B.Tech, Biotech R.Nanthini, IV B.Tech, Biotech	Bio Treasure Hunt	-do-	-do-	Second
16.	D.Aambarees h, II B.Tech, Biotech	Solo dance	Rivera, VIT University, Vellore.	07.02.2013 to 09.02.2013	Second
17.	R.S.Lavanya and K.Selva priya III B.Tech, Biotech	Paper Presentation	NCFB – 2013	06.02.2013 and 07.02.2013 Department of Biotechnology, SRM University, Chennai.	First
18.	S.Indhumathi I M.Tech, Biotech	Poster Presentation	Technical symposium – Bioconcorrensa- 13	28.02.2013 TNAU, Coimbatore.	Best Poster
19.	T.R.Sriram, N.Praveen kumar, R.Dhivya and K.Aarthi III B.Tech, Biotech	Non-Technical events	12 th ISTE State level students convention.	01.02.2013and 02.02.2013 Adhiparasakthi Engineering College, Melmaruvathur.	First
20.	A.Abirami and M.Kanimozhi III B.Tech, Biotech	Paper presentation	National Conference on IIPDM	18.02.2013 and 19.02.2013 Periyar University, Salem	Best presentatio n
21.	S.M.Brindha Shree IV B.Tech, Biotech	Oral presentation	National conference on advanced plant pathology	27.03.2013 and 28.03.2013 University of Madras, Chennai.	Second
22.	N.Sivaram III B.Tech, Biotech	Poster presentation	-do-	-do-	Second
23.	T.R.Sriram and A.Sundaram III B.Tech, Biotech	Oral Presentation	National level students technical symposium and project design contest	01.03.2013 and 02.03.2013 Department of Biotechnology, Vivekanandha College of	First

				Engineering for women, Tiruchengode.	
24.	P.Suresh IV B.Tech, Biotech	Oral Presentation	Department of Biotechnology, KSRCT- Students technical symposium	11.03.2013 Kanini Karutharangam, KSRCT.	First (Rs-2500/-)
25.	S.Indhumathi I M.Tech, Biotech	-do-	-do-	-do-	Second (Rs-2000/-)
26.	P.Deepak kumar II B.Tech, Biotech	-do-	-do-	-do-	Third (Rs-1500/-)
27.	T.R.Sriram and A.Sundaram III B.Tech, Biotech	-do-	-do-	-do-	Fourth (Rs-1000/-)
28.	V.Ranjith kumar III B.Tech, Biotech	-do-	-do-	-do-	Fifth (Rs-750/-)

4.3. College Toppers in Biotechnology

It has really been a cherishing moment for us to produce university rank holders for in this competitive world. The data revealed that around three each of students stood in the class as toppers with good CGPA.

4.4. Class toppers in Biotechnology

Rank	NAME	CGPA
IV B.Tech., Biotech		
1	Brinda Shree .S.M	9.44
2	Aswathy.O.B	9.04
3	Aathithya.R	8.94
III B.Tech., Biotech		
1	Geetha Rani .Y	8.73
2	Priyadharshini.A	8.55
3	Priyadharshini.C	8.51
II B.Tech., Biotech		
1	Deepak kumar.P	9.65
2	Mohana Preethi.M	9.43

3	Khadija.I	9.35
I M.Tech., Biotech		
1	Indhumathi.S	8.84
2	Kalaiselvi.M	8.20
3	Mathupreetha.T	8.12

4.5. Students project scheme received from TNSCST, Chennai.

S.No	Name of the student	Name of the guide	Title of the project	Amount sanctioned	Awarding authority
1.	J.Rajanisowparnika IV B.Tech	Dr.V.Balakrishnan	Ecofriendly approach of textiles dye effluent decolourization by using microbial source	Rs 10,000	Tamil Nadu State Council for Science and Technology, Chennai.
2.	R.Nanthini IV B.Tech	Dr.P.Ponmurugan	Evaluation of Lichens as feed additives on the overall performance of Broiler chicks	Rs 10,000	-do-
3.	D.Vaishnu Devi IV B.Tech	Mrs.S.Anita	Probiotication of nannari syrup by using <i>Lactobacillus</i> and its study on anticancer activity	Rs 10,000	-do-

4.6. Summer Research Fellowship received by students

S.No	Name of the Student	Year	Name of the venue	Duration
1.	Sriram A	IV	Jaypee University of information technology. (Summer research fellowship, IASc, Bangalore)	01.06.2012 to 07.07.2012
2.	C.Monica	IV	L.V.Prasad eye institute, Hydrabad. (Summer research fellowship, IASc, Bangalore)	16.05.2012 to 16.07.2012
3.	O.B.Asathy	IV	Indian institute of Science and Education, Kolkata. (Summer research fellowship, IASc, Bangalore)	14.05.2012 to 14.07.2012
4.	R.Muthu Saranji	IV	Tezpur University Assam. (Summer research fellowship, IASc, Bangalore)	01.06 2012 to 28.06 2012
5.	P.Suresh	IV	National Institute of Immunology Delhi. (Summer research fellowship, IASc, Bangalore)	10.05.2012 to 10.07.2012

4.7. Implant training undergone by students

S.No	Name of the Student	Year	Name of the Inplant training centre	Duration
1.	A. Gnana Ellis	III	Geomarine Biotechnologies, Chennai.	29.11.2012 to 03.12.2012
2.	R.Reena	III	Geomarine Biotechnologies, Chennai.	29.11.2012 to 03.12.2012
3.	M.Shiyamala	III	Geomarine Biotechnologies, Chennai.	29.11.2012 to 03.12.2012
4.	S.Vishnu	III	Microtherapeutic Research labs Pvt. Ltd, Chennai.	08.06.2012 to 10.06.2012
5.	R.Manohari	III	Joule foods, Chennai.	08.06.2012 to 10.06.2012
6.	N.Praveen Kumar	III	Microtherapeutic Research labs Pvt. Ltd, Chennai.	26.05.2012 to 06.05.2012

4.8. Placement training programme








Placement training was given to B.Tech and M.Sc students to enable them to get proficiency in aptitude, GD, HR, communication, verbal and non verbal skills. Training was given by internal and external trainers. External training was given by M/S IMS, Coimbatore and SMART Training Resources, Chennai. Internal training by experts in various fields from various departments was also provided to the students in order to enable them to be well versed in C and C++ languages which will be helpful for them to be placed in IT companies. Core competency was provided by subject experts in Biotechnology.















S.No.	Module Description	Duration	Resource person	Target audience	No. of students benefited
1.	Placement training Phase I	14 days 21.05.2012- 03.06.2012	M/S IMS, Coimbatore. Smart Resources, Chennai.	IV year B.Tech	24
2.	Placement training Phase I	3 days 28.05.2012- 30.05.2012	M/S IMS, Coimbatore Smart Resources, Chennai.	II year M.Sc	7

3.	NASSCOM-NAC-TECH Training	17 days 1-8-2012 to 17-8-2012	SMART Resources, Chennai.	IV year B.Tech	21
4.	Company based training-ZIFO	48days	Biotech & English Staff,KSRCT	IV year B.Tech, II year M.Sc	24 7
5.	Company based training-TCS and WIPRO	5 days 19.09.2012-23.09.2012	SMART Resources, Chennai.	IV year B.Tech	22
6.	Company based training-TCS and WIPRO(C, C++)	5 days 24.09.2012-01.10.2012	IT, CSE staff, KSRCT	IV year B.Tech	15
7.	Company based training-TCS and WIPRO	5 days 03.10.2012 to 07.10.2012	M/S FACE Trainers,Cbe and APT, Chennai	IV year B.Tech	15

4.9. List of students placed through campus drive

Our students proved that they are competent enough in their core subjects as well as in other aptitude and technical skills. This led them to get through both core and non-core companies without any struggle. A sum of 21 students got placed successfully in various companies through campus drive till date.

Name of the Company	Name of the Students		
Tata Consultancy Services Limited 185/188 Lloyds Road Chennai -600 086			
Zifo Technologies Private Limited 21A, Anna Salai Littlemount Saidapet, Chennai -600 015.			
Wipro Technologies Chennai			

Point Perfect Transcription (India) Pvt.Ltd. Coimbatore Saravanampatti Coimbatore -641 035				
	D. Gayathri	R. Jayashree	K. V. Krishnaveni	
Yogam BPO Chennai				
	K. Fairy Julia			
Dell Parot systems, Coimbatore				
	R. Nanthini	S. Dhasarathan	P. Karthikeyan	Mohammed Ejahir Raseen
Virtis Biolab, Salem				
	D. Vaishnudevi	R. Snegabala		
VWR Lab Products, Coimbatore				
	O. B. Aswathy	A. K. Sajin	M. Mithirai	T. T. Akhil

4.10. List of students cleared GATE and CSIR exam

S.NO.	Name of the student	Exam types	Marks	Rank
1	Janani R.P	GATE	39.33	2437
2	Suresh P	GATE	38.33	2743
3	Maheswari M	GATE	38.00	2839
4	Gautham Hari Narayana S N	GATE	35.67	3556
5	Suresh P	CSIR	49.96	148

5. Final note

Irrefutably, I in reality sense proud that our department has been in the limelight on different occasions which have also showcased our augmentation and accomplishment on diversified arena. I also anticipate that the success tempo and intensification of the department will be in log phase ceaselessly. It is my colossal contentment to thank all the teaching, non teaching staff members and the students who contributed their best to give a lift for our department.

“VISION WITHOUT ACTION IS A DAYDREAM. ACTION WITHOUT VISION IS A NIGHTMARE.”