



Bon Secours College for Women

Vilar Bypass Road, Thanjavur-613006
Accredited by NAAC with 'A' Grade
(Affiliated to Bharathidasan University)
Recognised by UGC under section 2(f) & 12 (B)



Department of Botany & Biotechnology



Bonseye Association

NEWS Chronicle (2014 - 15)

Towards Excellence.....



Prelude

The Department of Botany and Biotechnology was established in the year 2005 with an objective of imparting quality education and understand the dynamic nature of Biotechnology. The Department has a family of Enthusiastic students, Committed Teachers and Independent thinkers working and learning together to shape the future. The department is well equipped with infrastructure and facilities that full fill the requirement of syllabi as per the guidelines of the university.

All the activities of the department are conducted through the “**Bon’s Eye Association**”. The association is installed with office bearers every year. At present there are 133 students and 6 faculty members & a Lab assistant serving in the department.

Vision

- To Serve the Nation through advancement of knowledge by creating technologist of good calibre, high ethics, noble ideas & values.



Mission

- To Inspire and work with the students by imparting quality education to meet the challenging environment.
- To Empower & Strengthen the student community.

Curricular activities



Career Oriented Programme’ on “*Mushroom Cultivation and Bio fertilizer Production*” was organized on 16.09.14. Dr. R. Senthil Kumar, Asst. Professor of Department of Microbiology, Bharathidasan University College, Kurumbalur was the resource person.





The “*National Conference on Biotechnological Implications in Eco-Friendly Textiles for Health (NCBIETH-2015)*” was jointly organised by the departments of

Botany & Biotechnology, Fashion Technology & Costume Designing and Hospital Administration on 05.03.15. The Volume 1, Special issue 1 of the peer reviewed Journal of ICRJMSS (ISSN no: 2394-7691) was released by the chief guest Dr. S. Sridharan, Former Controller of Examination, Bharathidasan University, Trichy. The first copy was received by the Principal Dr. Sr. Victoria, FBS.

The “*International interdisciplinary Conference on E-Technologies in Anthropology ICETA-2015*”



was organised by the department together with Computer departments & the department of Hospital Administration on 17.03.2015 & 18.03.2015. The chief guest released the peer reviewed International journal of Advance Research in Computer Science and Software Engineering (IJARCSSE) and a copy was received by the Principal Dr. Sr. Victoria, FBS.

Adjuvant for the same



To face the emerging fields and justify the Pros & Cons, Boons or Bans of Biotechnology, the students are being practised through Quiz, Group Discussions & Unique assignments.

Our Pride

Ms. V. Sindhuja had secured 9th Rank in the April 2014 University Examination



Support to academics



9 students of department of Botany & Biotechnology participated in the One day Workshop on “*Techniques in DNA Barcoding*” organized by the department of Biotechnology at St. Joseph’s College (Autonomous), Trichy on 10.12.14.

Ms. C. Suchitra of I Botany won III prize in the ‘Tamil Mandra Thervu ’and a cash of Rs. 900 was awarded at “Aaduvome Pallu Paaduvome” organised by the department of Tamil at Bon Secours College for Women, Thanjavur on 21.01.15.

12 students of department of Botany & Biotechnology participated in “BIO- FEST 2015, A Festival for Under graduates” organised by the P. G & Research department of Biotechnology , National College (Autonomous), Trichy on 28.02.15 and the students won prizes in various competitions held on the day.



Ms. J. Shanofer of III Biotechnology won BEST PRESENTATION AWARD for the paper entitled ‘*A Destination Towards A Safe & Healthy Ecosystem by A Survey on Doom of Biomedical Waste in Hospitals Cum Laboratories in Thanjavur District*’ in the “National Conference on Biotechnological Implications in Eco-Friendly Textiles for Health (NCBIETH-2015)” jointly organised by the departments of Botany & Biotechnology, Fashion Technology & Costume Designing and Hospital Administration, Bon Secours College for Women, Thanjavur on 05.03.15.

Ms. S. JayaSurya & S. Vijayalakshmi and Ms. A.Nachammai of III Biotechnology presented & published the papers entitled '*Composition of Textile Effluent and Effect of Natural Dyes on It*' and '*A Pilot Scale Survey on Biomedical Waste Management in Thanjavur*' respectively in the "National Conference on Biotechnological Implications in Eco-Friendly Textiles for Health (NCBIETH-2015)" on 05.03.15.



The Students and faculty visited Hyderabad from 17.09.14 to 22.09.14 to facilitate their knowledge on the Biodiversity.

Co-Curricular support

The department of Botany & Biotechnology focus on co-curricular activities by conducting diploma course on Horticulture.



The students are also being trained in Vermi composting, Mushroom Cultivation and Herbal Plant propagation.

Extracurricular activities:

Our students bagged the '**OVER ALL CHAMPIONSHIP**' award in **BIO-FEST'2015**, organised by the P.G & Research Department of Biotechnology, National College (Autonomous), Trichy on 28.02.15





Our students added laurel by sweeping the **‘OVER ALL CHAMPIONSHIP’** award in *Muthamizh Vizha’2015*, organised by the Department of Tamil on 21-01-2015.

Ms. T. Vidhya, M. Kiruthika, S. Kiruthika and T. Bargathun Nisha won I prize in ‘Wealth out of Waste’ and V. Valli won II prize in ‘Tamil speech competition’ in the “Green Carnival Festival” organized by Pavendar Bharathidasan College of Engineering and Technology, Trichy on 06.09.2014.



Ms. V. Valli of II Biotechnology won I Prize with a cash award of Rs. 10,000 in the DISTRICT LEVEL Poem competition organized by the Tamilthurai at Rajah’s High School, Thanjavur on 01.10.14

Students of Biotechnology participated and donated blood in the “Blood Donation Camp” organised by Tamil Nadu State AIDS Control Society, on 10.10.14.

4 students participated in the Bharathidasan University Cultural Fest-2014 organized by Bharathidasan University, Trichy on 17.10.14 - 19.10.14.

Ms. V. Valli of II Biotechnology participated in the ‘State Level Training on Tamil Traditional Folk Dance organized by Tamil Nadu State AICUF at St. Joseph’s College (Autonomous), Trichy from 27.12.14 to 30.12.14.



National Election board of Tamil Nadu Govt. organized various competitions at Bon Secours College for Women, Thanjavur on 25.01.15. Ms. C. Suchitra of I Botany won II Prize in ‘Essay Competition’. Ms. V. Valli of

II Biotechnology won II Prize in ‘Speech Competition’. Ms. P. Nishanthini of II Biotechnology & Ms. R. Delinta Linu Swarnila of II Biotechnology won II & III Prize in ‘Poem Writing’ respectively. Ms. R. Abirami of III Biotechnology won II prize in ‘Essay Competition’.

Ms. A. Helan Christiya & Ms. R. Laanswick of I Biotechnology won I Prize in the ‘Solo Dance competition’ organized by Annai Group of Institutions, Kumbakonam on 05.02.15.

9 students participated in CENITTREZ’15 organized by the department of Microbiology at Bharathidasan University, Trichy on 28.02.15. Ms. A. Nachammai & P.Priya of III biotechnology and Ms. A. Helan Christiya & R. Laanswick of I biotechnology won II prize in ‘Western Dance Competition’.

Faculty Execution

Ms. A. Indumathi, ExNoRa Coordinator, Ms. F. Leena Grace Nancy, Environmental Education Coordinator and 13 students of department of Botany & Biotechnology participated in the “*Green Carnival Festival*” organized by Pavendar Bharathidasan College of Engineering and Technology, Trichy on 06.09.2014.

Ms. F. Leena Grace Nancy, Ms. R. Kalaivani, and Ms. D. Elamathi, Asst.Professor, department of Botany & Biotechnology participated in the “*National level Faculty Development Programme*” on ‘*Research Methodology*’ organized by the P.G & Research department of Commerce at Bon Secours College for Women on 12.09.14.

Ms. A. Indumathi, Asst. Professor of department of Botany & Biotechnology participated in the One day Workshop on “*Techniques in DNA Barcoding*” organized by the department of Biotechnology at St. Joseph’s College (Autonomous), Trichy on 10.12.14.



Ms. R. Kalaivani, Asst. Professor of department of Botany & Biotechnology participated in the One day Workshop on “*Plant Tissue Culture Techniques*” organized by the department of Biotechnology at St. Joseph’s College (Autonomous), Trichy on 22.12.14.

Ms. D. Sahaya Sukeetha, Asst. Professor of department of Botany & Biotechnology participated in the One day Workshop on “*High Performance Liquid Phase Separation Technique*” organized by the department of Marine Biotechnology at Bharathidasan University, Trichy on 23.01.15.

Ms. F. Leena Grace Nancy, Asst. Professor, department of Botany & Biotechnology participated in the UGC sponsored workshop on “*In Glass Technology for Bioresources Conservation*” organized by the department of Biotechnology at St. Joseph’s College (Autonomous), Trichy from 28.01.15 to 06.02.15.

Ms. A. Indumathi, Asst. Professor of department of Botany & Biotechnology participated and presented a poster on “*Biodegradation of Polythene Waste through Soil Bacteria*” in the National Seminar on “*Integrated Waste Management & Energy Recovery*” organized by the department of Environment Management at Bharathidasan University, Trichy on 12.02.15.

Ms. F. Leena Grace Nancy, Asst. Professor, department of Botany & Biotechnology presented a paper entitled ‘*Scavenging and Protecting Action of Flavonoids Against Lipid Peroxidation in Ventral Prostrate of Adult Rats*’ in the ICMR sponsored National Seminar on “*Chemistry and Efficacy of Natural Products –A Demand in Greater use of Plant Based Drugs*”



organized by the department of Chemistry at Bon Secours College for Women, Thanjavur on 21.02.15 & 22.02.15.

Ms. R. Kalaivani, Asst. Professor of department of Botany & Biotechnology presented a paper entitled *'Enhancement of Technique for Optimised Production of PHA from Marine Bacteria Utilizing Cheaply Available Carbon Sources at Thanjavur District'* at National Seminar on "Recent Trends and Future Advances in Life Sciences" organised by the Central University, Thiruvarur on 26.02.15 & 27.02.15

The faculty members of the department have presented and published various research papers in the Volume -1, Special issue-1 of the peer reviewed Journal of ICRJMSS (ISSN no: 2394-7691) released in the "*National Conference on Biotechnological Implications in Eco-Friendly Textiles for Health (NCBIETH-2015)*" jointly organised by the departments of Botany & Biotechnology, Fashion Technology & Costume Designing and Hospital Administration on 05.03.15.

- Ms. A. Indumathi, Asst. Professor, published papers entitled *'Fastness Properties of Silk Fabrics Dyed with Bark Extracts of Prunus amygdalus'* & *'Bacteriological Analysis of Pollution Indicators in Nagapattinam Coastal Sediments'*
- Ms. F. Leena Grace Nancy, Asst. Professor, published a paper entitled *'Bacteriological Analysis of Pollution Indicators in Nagapattinam Coastal Sediments'*.
- Ms. R. Kalaivani, Asst. Professor, published a paper entitled *'A Destination Towards A Safe & Healthy Ecosystem by A Survey on Doom of Biomedical Waste in Hospitals Cum Laboratories in Thanjavur District'* & *'Composition of Textile Effluent and Effect of Natural Dyes on It'*

- Ms. D. Sahaya Sukeetha, Asst. Professor, published a paper entitled '*A Pilot Scale Survey on Biomedical Waste Management in Thanjavur District*'

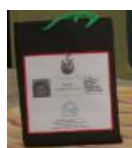
The faculty members of the department have presented and published various research papers in the Special issue of the peer reviewed International Journal of Advanced Research in Computer Science & Software Engineering (ISSN no: 2277 128X) released in the "*International Interdisciplinary Conference on E- Technologies in Anthropology*" (ICETA- 2015) jointly organised by the P.G. Department of Biotechnology, Computer departments and Department of Hospital Administration on 17.03.15 & 18.03.15.

- Ms. A. Indumathi, Asst. Professor, published papers entitled 'Bimolecular Nanomotors and their Applications'
- Ms. F. Leena Grace Nancy, Asst. Professor, published a paper entitled 'mRNA expression & Poly chlorinated Biphenyls Effects Enumerated by using E- Technology'.
- Ms. R. Kalaivani, Asst. Professor, published a paper entitled 'Is the establishment of internet treasured to humanity? A survey among the students of bon secours college for women'
- Ms. D. Sahaya Sukeetha, Asst. Professor, published a paper entitled 'Exploration and Identification of Bioactive Compound from Sponge Associated Bacteria by Utilizing Biological Database'

Entrepreneur



development:



By underlining the principle of Entrepreneurship, the students are being initiated as a 'Job Creator & not a Job Seeker' through

BONS EWA (Environment Welfare Activity).

Social Responsibilities



The students actively participated in the implementation of '30,00,000 sapling plantation Scheme' of Clean Thanjavur Movement. Nearly 2000 saplings were planted within the college campus. The programme was presided by the Secretary Rev. Mother Jeyarani FBS., and the Principal Dr. Sr. Victoria FBS.



The consultancy is being provided to the Self Help Group members of Vilar panchayat on Vermi composting and Waste management.

Research & Development

The students are encouraged to carry out minor projects on the topics '*A Destination Towards A Safe & Healthy Ecosystem by A Survey on Doom of Biomedical Waste in Hospitals Cum Laboratories in Thanjavur District*' & '*A Pilot Scale Survey on Biomedical Waste Management in Thanjavur*' as a part of their curricular activity.

Sports



The faculty & the students actively participated and won prizes in various sports events.

Bon Secours College for Women

*Vilar Bypass Road, Thanjavur-613006
Accredited by NAAC with 'A' Grade
(Affiliated to Bharathidasan University)
Recognised by UGC under section 2(f) & 12 (B)*



The Head, Faculty & the Students