

EVENTS AT A GLANCE



Bon Secours College for Women

(Affiliated to Bharathidasan University)
Accredited by NAAC with 'A' Grade
Recognized by UGC under section 2(f) & 12 (B)
Vilar Bypass, Thanjavur -6



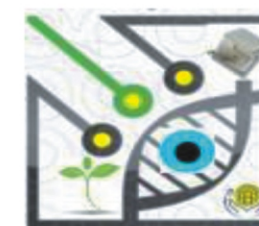
With Regards,
The Head, the Faculty & the Students

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DEPARTMENT OF BOTANY & BIOTECHNOLOGY



BONS EYE ASSOCIATION

News Chronicle (2016-17)



Towards Excellence

Prologue

The Department of Botany and Biotechnology was established in the year 2002 & 2005 respectively with an objective of imparting quality education and understanding 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 facilities that fulfil the requirement of syllabi as per the guidelines of the university. We maintain a well established Herbal Garden comprising 200 different medicinal plants and trees. At present there are 247 students and 8 faculty members & a Lab assistant serving in the department.

Vision

To Serve the Nation through advancement of knowledge, creating technologists 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.

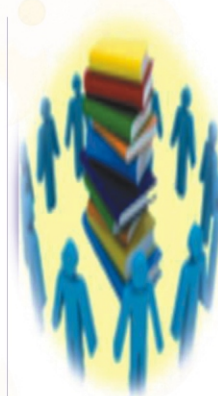
Objectives of the Department

- To Empower & Strengthen the student community With the advancement of Theoretical knowledge through noble ideas & values.
- To highlight the principle of Entrepreneurship, the students are being initiated as a 'Job Creator & not a Job Seeker' through BONS EWA (Environment Welfare Activity).
- To equip the students to face the challenging environment, emerging vicinity and the Pros & Cons, Boons or Bans of the competitive field through Personality Development Programme.
- To enrich our academic curriculum in addition to Research & Extension for the transformation of scientific knowledge to social welfare.



Curricular and Co-Curricular Activities:

Career Orientation Programme on..... <ul style="list-style-type: none"> Mushroom Cultivation Vermi composting Biofertilizer Production Horticulture Floriculture 	Industrial Visits and Field Trip <ul style="list-style-type: none"> To reputed Organizations and Industries
Student's project and Publications <ul style="list-style-type: none"> Summer project Mini Project 	Personality Development Programmes <ul style="list-style-type: none"> Internship Programme Interview Skills



Student implementation:

To glow with our academics, the students of the department have published a research paper in the Peer Reviewed International Journal with IMPACT FACTOR

K. Vaishnavi., II MSc Dept of Botany and Biotechnology, published a paper entitled "A Study on Microbial Fingerprinting of Different Organic Samples in Vermicompost" in Indian Journal of Research. Volume : 5 | Issue : 10 | October 2016
ISSN - 991 | IF : 5.215 | IC Value : 77.65.

Students Mini Project

Class	Title of the Mini Project / Activity
II M. Sc.,	Biotechnology Plastic degrading Ability of <i>Aspergillus oryzae</i> isolated from the Garbage Dumping Sites of Thanjavur
I M.Sc.,	Biotechnology The Antibacterial Activity of <i>S. Platensis</i> and <i>Oscillatoria Sp</i> Grown In vitro.
I M.Sc.,	Biotechnology Comparative Analysis of Vitamin C in Natural and Canned fruit juices
II B. Sc.,	Biotechnology The study of Phylogenetic tree representing the phenotypic characters of individual family – Case Study.

Faculty Development Programme

The Faculty of the Department attended a One day National level Faculty Development Programme on Innovative Teaching Methodology organized by the PG & Research department of Commerce at Bon Secours College for women, Thanjavur on 08. 08. 2016.

Ms. F. Leena Grace Nancy, Asst. Prof, Department of Botany and Biotechnology, participated in the "All India Association for Christian Higher Education (AIACHE)" Golden Jubilee Grand Finale celebrations held at American College, Madurai, Tamilnadu from 7.10.16 to 11.10.16

Ms. A. Indumathi, Asst. Professor, Dept of Botany and Biotechnology, participated in FDP Training conducted by National institute of technology (NIT) on Feb 27-Mar 03, 2017.

The Faculty Development Programme, **Mushroom cultivation - Pros & Cons** was organised on 06.02.2017.



Our Pride

Rank holders- an accolade to our credits....

Name	Class	Rank
S. Abirami	U.G	1 st
S. Keerthika		2 nd
V. Valli		7 th
D. Pavithra		19 th
A. Anitha	P.G	11 th
M. Thenmozhi		13 th

Placement Success.....

Name	Company
S. Abirami	Serco
V. Valli	TCS
T. Sathya priya	TCS
M. Kiruthiga	TCS
A. Delinta linu Swarnila	TCS
T. Kasthuri	Omega Services

Faculty execution:

To radiate our academics, the faculty members of the department have published various research papers in the peer reviewed International Journal with IMPACT FACTOR.

Ms. A. Indumathi, Head & Asst. Professor, published a paper entitled "Biodegradation of Polythene waste through soil Bacteria: A Review", in International Journal of Scientific Engineering and Research. Volume 4, Issue 10, PP. 74-78. 2016. ISSN -2347-3878. | IF: 3.791

Dr. R. Kalaivani, Asst. Professor, published a paper entitled "A Study on impact of agronomical carbon sources in bacterially produced PHA", in International Journal of Current Microbiology and Applied Sciences. Vol 5, Issue (12), PP. 910-918 2016. ISSN - 2319- 7706. | IF: 2.937 | IC Value: 85.95.

Ms. S. V. Bakiyalakshmi, Asst. Professor, published a paper entitled "Analysis of bioactive compounds in Navara (Njavara) rice by GCMS", in International Journal of Recent Scientific Research Vol. 7, Issue, 11, pp. 14307-14311, 2016. ISSN - 0976-3031. | IF: 5.971 | IC Value: 5.72.

Dr. R. Kalaivani, Asst. Professor, published a paper entitled "A Study on Microbial Fingerprinting of Different Organic Samples in Vermicompost" in Indian Journal of Research. Volume : 5 | Issue : 10 | October 2016 ISSN - 2250-1991 | IF : 5.215 | IC Value : 77.65..

Ms. S. V. Bakiyalakshmi, Asst. Professor, published a paper entitled "In Vitro Anti Arthritic activity of Njavara Rice", in Asian Journal of Pharmaceutical Research, Vol. 6, Issue, 4, pp. 250-252, 2016. ISSN - 2231-5691.

Dr. R. Kalaivani, Asst. Professor, presented a research paper entitled "A study on Production of Polyhydroxyalkanoates by utilising alternate Carbon Sources for a built-in Biorefinery" in International Conference on Innovative research in Life Sciences organised by Life Science Departments, Dhanalakshmi Srinivasan College for Women, Perambalur on 06.03.2017.

Ms. A. Indumathi, Asst. Professor, presented a research paper entitled "Effective Degradation of High Density Polyethylene (HDPE) by Aspergillus flavus from Municipal Soil" in International conference on Innovative research in Life Sciences organised by Life Science Departments, Dhanalakshmi Srinivasan College for Women, Perambalur on 06.03.2017.

Ms. A. Indumathi, Asst. Professor, presented a paper entitled "Effective degradation of HDPE by Aspergillus sp. isolated from Polythene polluted sites of Thanjavur" in Zoomic' 17 organised by Dept. of Microbiology. Thiagarajar College (Autonomous), Madurai.

Ms. S. V. Bakiyalakshmi, Asst. Professor, presented a research paper entitled "Antimicrobial Effect of Carotene and Anthocyanin from Daucus carota and Brassica oleracea" in International conference on Innovative research in Life Sciences organised by Life Science Departments, Dhanalakshmi Srinivasan College for Women, Perambalur on 06.03.2017.

Ms. A. Indumathi, Asst. Professor, had served as a Chief Guest in "Bioscope – 17", an Inter college competition conducted by Department of Biotechnology, Bharath College of Science and Management, Thanjavur on 13.3.2017.

Curricular activities - focused upon cognitive aspects for intellectual development.

Escalation in Thoughts & Deeds

International Guest Lecture on "Recent Scenario of food security in Biotechnology" was organized on 3.8.16. Dr. T. Saravana Kumar, Dept. of Environment & Civil Engineering, University of Auckland, New Zealand was the resource person. He emphasised the advanced technologies in food technology.



'Intercollegiate Competition' (SCIFEST-2016) was organized by the Department together with Physics and Chemistry on 28.09.16. Among 450 participants from various colleges participated. Bishop Heber College (Autonomous), Trichy, won the overall championship award.



The **"International Lecture workshop on Microbioanalytics"** was organised by the Department of Botany & Biotechnology on 30.9.16. Mr K. Parthiban , M.S., Applied Biotechnologist, Warsaw University, Poland, Europe was the resource person.

Educational tour- An integral part to learning adventure

The Students and faculty visited **Kerala** from **21.9.16 to 24.9.16** to facilitate their knowledge on the Biodiversity of Fauna & Flora.



Co-Curricular activities - An integral part of educational environment.

SCI_ZEST of the Students.....



S.Keerthika, R.Abirami, S.Sathyapriya III B.Sc Biotechnology won first prize in Clay modelling and Turn coat competitions in the National Seminar on Environmental impact on Biotechnology & Intercollegiate competitions organised by Bharat College of Science & Management, Thanjavur.

Twelve students from Department of Botany and Biotechnology participated and won many prizes in SCIFEST competitions conducted by Department of Microbiology, Bharathidasan University, Trichy in the name of “CENITTERZ 17” on 28.2.17.

Ms. J.Jayanthi II.M.Sc., Biotechnology presented a research paper in “National seminar on **Bio Elixer’2017**” & “**Macro to Micro focusing on Biology research**” at Scott Christian College, Nagercoil and Govt. Arts College, Madurai respectively on 23.02.17 & 02.03.17.

A.Helan Christiya, R. Laannswick and F. Lourdhumerlin, Dept of Botany and Biotechnology presented a paper entitled in International conference on Innovative research in Life Sciences organised by Life Science Departments, Dhanalakshmi Srinivasan College for Women, Perambalur on 06.03.2017.

Thirteen students from Department of Botany and Biotechnology participated and bagged **Overall Championship** in “**Bioscope – 17**”, an Inter college competition conducted by Department of Biotechnology, Bharath College of Science and Mangement, Thanjavur on 13.3.2017.

III B.Sc., Biotechnology students presented a model on Integrated Farming for the sustainable income generation during Pongal celebration it was also given coverage by Zen TV.



Ms.I. Dayana II B.Sc Botany, won III prize in the group western dance competition conducted by PRIST University, Vallam, Thanjavur on 29.9.16.

Ms.R. Madhumitha II B.Sc Botany, won I prize in the folk dance, in inter departmental cultural convercompition conducted by PRIST University, Vallam, Thanjavur on 29.9.16.

Ms.G.Divya, II B.Sc Biotechnology won I prize in essay writing competition held on 21.01.2017 to commemorate the National Voters Day initiated by the Election Commission, Govt. of India.

BONFEST'16

The students of the department actively participated and won prizes in different events in the inter departmental cultural convergence – **BONFEST'16**.

The credentials are as follows...

- ✦ Ms. J.K.Rajarajeswari, III B.Sc Biotechnology won **1st Prize in Collage**
- ✦ Ms. N.Zulfathul Murshida, II B. Sc., Biotechnology won **2nd Prize in Cartooning**
- ✦ Ms. N.Aishwarya lakshmi, III B. Sc., Biotechnology won **2nd Prize in Clay modelling**
- ✦ Ms. P.Surya, II B.Sc., Biotechnology won **2nd Prize in Rangoli**
- ✦ Ms. A. Vinciya, I B.Sc., Biotechnology won **3rd Prize in MonoAct**
- ✦ Ms. R. Laannswick, III B.Sc Biotechnology won **1st Prize in Classical Solo Dance**
- ✦ Sis. Priyanka I B. Sc., Botany won **3rd Prize in Solo song**
- ✦ Ms. I. Dayana, Ms. Sureka, Ms. Helan christiya, Ms. Laannswick, Ms. Indumathi, Ms. Salominal Mary, and Ms. V. Sneka won **1st Prize in Group Dance.**

Sports - Involving physical exertion and skill

The Twenty students of the department won various prizes in different events in the Annual Sports meet held at Bon Secours College for Women on 23.07.2016.

Entrepreneur development Cell - Creating a conducive environment

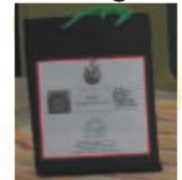


By underpinning the principle of Entrepreneurship, the students are being initiated as a “Job Creator & not a Job Seeker” through **BONS’ EWA (Environment Welfare Activity)**. To attribute technology transfer from **lab to land**.

Mushroom cultivation and Olericulture was established by the Department on 25.01.17.

As a part of Horticulture, an enterprise on Floriculture was installed at Bon’s Herbal garden on 03.02.17.

Vermicompost is also being sold successfully in and off campus as a part of EWA’s EDC.



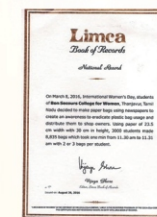
Planting a Variety of Vegetable crops supports a wider range of beneficial organic farming by utilising waste non degradable belongings through hanging garden technique was initiated and imparted by our department on 13.02.2017.

Extension Activities

Department of Botany & Biotechnology donated 50 plant saplings to the villagers of Kollankarai at the NSS Camp on 17.12.16. Dr. Pazha. Pragadesh, JRC District Coordinator, Rajah’s Higher Secondary School, Thanjavur presided over the function.

Consultancy services - Providing of expert knowledge

Fifty beneficiaries of the *Self-Help groups* of Vilar panchayat were made aware of with the needs of sustainable life development through “**Organic Farming**” by Mrs. A. Indumathi, Head. & Dr.R.Kalaivani, Asst. Prof. on 17.02.17.



Recognitions - Honour of an achievement

LIMCA BOOK of RECORDS has been received for the Fastest Paper bag making by 3000 students in one minute (11.30-11.31 a.m) on 8.9.2016.

Dr. R. Kalaivani was awarded **Bharath Gaurav Award** and Certificate of Excellence by India International Friendship Society, New Delhi on May - 2016.

