



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 199 students are enrolled and 7 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

Amplification of Thoughts and Deeds.....

A ‘**Guest Lecture**’ on “**Basics of Quantum Physics**” was organized on 13.07.15. Dr. T. Ganesh, Associate. Prof. Dept. of Physics, Rajah Serfoji Govt. College (Autonomous), Thanjavur was the resource person.



‘**Career Oriented Programme**’ on “**Apiculture Techniques**” was organized on 04.08.15. Mrs. Josephine Arockia Mary, Proprietor, VIBS natural bees farm, Madurai was the resource person.

‘Intercollegiate Competition’ (SCIFEST-2015) was organized by the department together with Physics and Chemistry on 22-09-2015. Among 200 participants from various other colleges Bishop Heber college (Autonomous), Trichy, won the overall championship award.



The **‘Training Programme’** on **“Roof Gardening Techniques”** was organized on 30.11.15. Dr. G.G. Kavitha Shree, Subject matter Specialist and Dr.G. Baskaran, Head KVK, Needamangalam was the resource person.



The **“National Conference on Contemporary Advances in Biotechnology and Bioinformatics Frontline-NCCABB’15”** was organised by the department of Botany & Biotechnology on 21.12.15 and 22-12-15. The Research papers were published in the Special issue of the peer reviewed *International Journal of Current Microbiology and Applied Sciences* (IJCMAS) (ISSN no: 2319-7706).

The National Conference on **“The Emergence of Biotechnology and ICT for Sustainable Agriculture”** **TEBISA’16** was jointly organised by the departments - PG Departments of Computer Science, Computer Applications and Department of Botany & Biotechnology on 15-03-2016.



Educational tour



The Students of the department actively participated in **‘Industrial Visit’** to Nila Sea Foods and Exports, Pattukottai on 29-9-2015.

The Students and faculty visited **Wayanadu, Kerala** from 30.09.15 to 02.10.15 to facilitate their knowledge on the Biodiversity.



Co-Curricular activities

Laurels by Students.....



The Department had won III Prize for the “**Sirantha Padaipalar Viruthu**” for the Village Settings on the Pongal Celebration.

V. Valli of III Biotechnology won **I Prize** in ‘Poetry Writing’ Competition entitled “Independence Day Religious Awareness Competition” conducted by the Thiruvarur Peravai on 15.8.2015.

I. Gifty Karene & K. Nazreen of II Biotechnology won “**BEST PRESENTATION AWARD**” for the paper entitled ‘Immuno therapy in Kidney Disease’ & “Bioplastics” respectively in the ‘National Conference on Contemporary Advances in Biotechnology and Bioinformatics Frontline’-NCCABB’15 on 21.12.15 & 22.12.15.

B. Jasminnivetha of I M.Sc., presented a paper entitled ‘Role of Ammonia Oxidising Bacteria in Aquaculture’ and R. Abirami & S. Keerthika of III Biothechnology presented a paper entitled ‘A Review on Biomarkers Accessible for the Life Threatening Ovarian Cancer’ in the ‘National Conference on Contemporary Advances in Biotechnology and Bioinformatics Frontline’-NCCABB’15 on 21.12.15 & 22.12.15.

The students bagged II & III prizes for ‘Scientific Word’ & ‘Cooking without Fire’ competitions respectively in **BIO-FEST’2016**, organised by the P.G & Research Department of Biotechnology at Bishop Heber College (Autonomous), Trichy on 09.02.16.

The students participated and won prizes in the “National Seminar on Environmental Impact on Biotechnology & Intercollegiate competitions” organised by the Department of Biotechnology, Bharath College of Science and Management on 23.03.16.

Sports

The students of the department won various prizes in the Sports Day Competitions held at Bon Secours College for Women on 15.08.2015.

- R. Karthika of I Biotechnology **won** the Volley Ball Tournament & KHO-KHO in favour of ‘Emerald Team’.
- S. Vinothini of II Biotechnology was awarded as **Runner** in ‘Hand Ball Tournament’ in favour of ‘Ruby Team’.
- K. Saranya of I Botany won **Third Prize** in 400m Relay & as **Runner** in ‘Volley Ball Tournament’ in favour of ‘Diamond Team’.
- M. Palaniammal of II Botany was awarded as runner in favour of ‘Ruby Team’.

Faculty execution.....

An 'Interactive Training Session' on "*Vermiculture Techniques*" was held on 15.06.15 by Dr. Sultan Ahmed Ismail, Chennai.

Dr. R. Kalaivani, Asst. Prof had served as the judge for the Science exhibition "*Veettukkoru Vingnani*" at Ramya Sathiyathan Polytechnique & B.Ed College, Thanjavur on 19.8.2015.



Mrs. A. Indumathi, Head & Asst. Prof. Dept of Botany & Biotechnology, delivered an Invited talk on "*Roof Gardening Techniques*" organized by NSS unit of Bon Secours College for Women on 24.01.16.

An 'Extension Programme' on "*Use of Plastic and its Hazardous effect*" was organized to students of Shree Ramajayam Govt school, Vilar on 16.12.15 by Mrs. A. Indumathi, Asst. Prof.



Publications & Presentations by the Faculty

To radiate our academics, the faculty members of the department have presented and published various research papers in the Special issue of the peer reviewed International Journal of Current Microbiology and Applied Science (IJCMAS) with IMPACT FACTOR of 2.093 (ISSN no: 2319-7706) released in the 'National Conference on Contemporary Advances in Biotechnology and Bioinformatics Frontline'-NCCABB'15 organised by the Department of Botany & Biotechnology on 21.12.15 & 22.12.15.

- Ms. A. Indumathi, Asst. Professor, published papers entitled "Comparative Study on the Antibacterial Activity of *S. platensis* and *Oscillatoria Sp.* Grown *In-vitro*" & "Screening of Plastic Degrading Fungi *Aspergillus oryzae* from Garbage Dumping Sites of Thanjavur".
- Ms. F. Leena Grace Nancy, Asst. Professor, published a paper entitled "Comparative Studies on Bio algae by using Bio Informatics Tools"
- Dr. R. Kalaivani, Asst. Professor, published a paper entitled "Bioplastics"

- Ms. D. Sahaya Sukeetha, Asst. Professor, published a paper entitled “Role of Ammonia Oxidising Bacteria in Aquaculture”
- Ms. M. Elamathi, Asst. Professor , published a paper entitled “*In-vitro* Micropropagation of *Piper betle* (Linn.)”
- Ms. S.Amirthum, Asst. Professor , published papers entitled “Phytochemical and anti -cholesterol activity of *Aegel marmelos* (l.) Corr. Leaf extract using in albino mice” & “Isolation and characterization of medicinal compounds from *aegel marmelos*,(l.) Corr against diabetics in albino mice”
- Ms.S.V. Bakiyalakshmi, Asst. Professor , published papers entitled “Isolation and application of chitin and chitosan from crab shell” & “*In vitro* anti -diabetic activity of *Njavara* rice”

Ms. A. Indumathi, Asst. Prof. & Ms. S.V. Bakiyalakshmi, Asst. Prof. participated and presented the papers entitled “Screening of Plastic Degrading Fungi from Garbage Dumping Sites of Thanjavur” & “*In vitro* Pharmacological Activity of Flavonoid Isolated from *Njavara* (*Oryza sativa*)” respectively in the ‘International Seminar on New Frontiers and Challenges in Environmental Sciences’ organized by the Department of Biotechnology, Maruthupandiyar College, Thanjavur on 11.02.16 & 12.02.16.

Ms. M. Elamathi, Asst. Prof., has participated in the National Conference on “National Conference on Emerging Trends in Pant Sciences ” organized by the Department of Pant Science and Technology, Bharathidasan Univ, Trichy on 10.03.16 & 11.03.16.

The faculty members of the department have presented and published abstracts in the Soveineir released in the National Conference on “The Emergence of Biotechnology and ICT for Sustainable Agriculture”TEBISA’16 jointly organised by the Departments of Botany & Biotechnology, Computer Science & Computer Applications on 15.03.16.

- Ms. A. Indumathi, Asst. Professor, published a paper entitled “Screening of Plastic Degrading Fungi from Garbage Dumping Sites of Thanjavur”.
- Ms. F. Leena Grace Nancy, Asst. Professor, published a paper entitled “Comparative Studies on Bio algae by using Bio Informatics Tools”
- Dr. R. Kalaivani, Asst. Professor, published a paper entitled “Bioplastics”
- Ms. D. Sahaya Sukeetha, Asst. Professor, published a paper entitled “Role of Ammonia Oxidising Bacteria in Aquaculture”
- Ms.M. Elamathi, Asst. Professor, published a paper entitled “Enhancement of Plant Growth by Limonene in *Lycopersicon esculentum*”.
- Ms. S. V. Bakiyalakshmi, Asst. Professor, published a paper entitled “Immuno Therapy for Kidney Disease”

Ms. M. Elamathi, Asst. Prof., has participated in the National Conference on “Impact of Nano Science in Modern Technology” NCINSMT-16, organized by the Department of Physics, Bon Secours College for Women on 21.03.16.

They have also proved themselves in Co-curricular activities and won several prizes in College Sports day events.

Events at Glance



Fresher's Day

Bride Course



Guest Lecture on Quantum Physics

Association of Installation



Novena celebration

**Rally on demises of
A.P.J**





SCI FEST '15



Training Program on Roof gardening

“National Conference on Contemporary Advances in Biotechnology and Bioinformatics



Frontline-NCCABB'15”

Pongal celebration



“The Emergence of Biotechnology and ICT for Sustainable Agriculture” TEBISA'16



Paper bag Making



Ozone Day Celebration



SCISHOW 16

Name of the Student	Univ. Rank
A. Nachammai	4 th Rank
S. Jayasurya	6 th Rank
J. Shanofer	6 th Rank
T. Vidhya	12 th Rank
Rank Holders Imass	18 th Rank



Best Practices

Mushroom cultivation and Olericulture was established by the department on 10-10-2015 as a technology transfer from **lab to land**





Vermi Culture

Floriculture & Horticulture



Indoor Garden



Apiculture

Aquarium maintenance for breeding practices



Clean, Green and Hygiene Activity



Bons Eye Plants

Model Expo



Training to the staff members for Paper bag making



Segregation of Paper Bags

With Regards,
The Head, The Faculty & The Students