

Holy Cross College (Autonomous) Tiruchirappalli - 2

PG and Research Department of Botany

Online Quiz – Report (22.5.2024-24.5.2024)

To commemorate the “International day for Biological Diversity” the PG and Research Department of Botany conducted Online Quiz for all the students through online mode during 22.5.2024 to 24.5.2024. Dr. R. Kavitha, Organizing Secretary & Head, Department of Botany organized the quiz. Dr. A. Freeda Rose, Assistant Professor of Botany was the resource person for the quiz.

The quiz questions were prepared using google forms and certificate issued to the participants those who secured the passing score of 60%. 20 questions related to biodiversity were asked. The response was remarkable, with 215 participants engaging over the three-day period. The participants hailed from diverse academic backgrounds, including UG, PG, Research Scholars, and Faculty members from Botany, Biochemistry, and Zoology departments of Holy Cross College, Tiruchirappalli. Additionally, students from various colleges across Tamil Nadu and other states of India contributed to the event's success. This initiative not only promoted awareness about biological diversity but also fostered interdisciplinary collaboration and learning among students and faculty members. It served as a testament to the collective interest in and dedication to understanding and appreciating the natural world's richness and complexity.



HOLY CROSS COLLEGE (AUTONOMOUS)

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College with Potential for Excellence
Tiruchirappalli - 620 002.

PG & RESEARCH DEPARTMENT OF BOTANY

organizes E-quiz

In commemoration of the International day for
Biological Diversity

on the theme

BIODIVERSITY & ITS IMPORTANCE

DATE: 22.05.2024 to 24.05.2024

Presided by

Rev. (Sr.) Dr. Isabella Rajakumari. P

Principal,

Holy Cross College (Autonomous),

Tiruchirappalli - 620 002.

- No registration fee
- Open to all
- E-certificates will be provided to the participants who score 60% and above

To attend the quiz kindly click the link given below

<https://forms.gle/RH3nzhlverFpxyfa6>

Contact us for any queries

e-mail id: botany@hcctrichy.ac.in



Send

215 responses

[View in Sheets](#)

Not accepting responses

Message for respondents

This Form is not currently accepting submissions. Please check back again later.

Summary

Question

Individual

Insights

Average
66.91 / 100 points

Median
70 / 100 points

Range
10 - 95 points

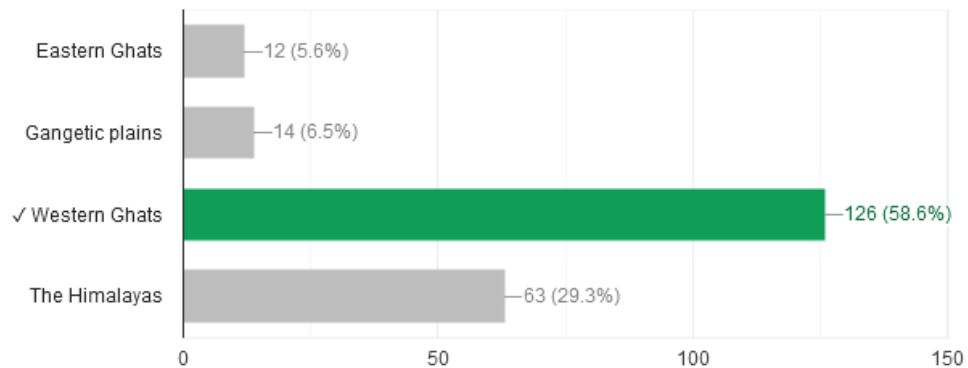
Total points distribution

PG & Research Department of Botany

Find out the Biodiversity Hot spot of India from the following

[Copy](#)

126 / 215 correct responses



The plant which has the biggest leaf is

[Copy](#)

164 / 215 correct responses

Holy Cross College (Autonomous) Tiruchirappalli - 2
PG and Research Department of Botany

05.06.2024 - WEBINAR ON OUR LAND, OUR FUTURE, WE ARE # GENERATION RESTORATION

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IN COMMEMORATION OF WORLD ENVIRONMENT DAY
PG AND RESEARCH DEPARTMENT OF BOTANY

Organizes
A WEBINAR ON
"Our Land, Our Future, We are #GenerationRestoration"

RESOURCE PERSON
Dr.A.Daisy Caroline Mary
Assistant Professor
Department of Environmental Sciences
Bishop Heber College (Autonomous)
Tiruchirappalli - 620 017

PRESTIDED BY
Rev.Dr.(Sr.) Isabella Rajakumari
Principal
Holy Cross College (Autonomous)
Tiruchirappalli - 620 002

Time : 2:30 pm
Date : 05-06-2024

ORGANIZING SECRETARIES
Dr.A.AUXILIA
Dr.L.HELEN DIANA
Assistant Professors
PG and Research Department of Botany
Holy Cross College(Autonomous)
Tiruchirappalli - 620 002

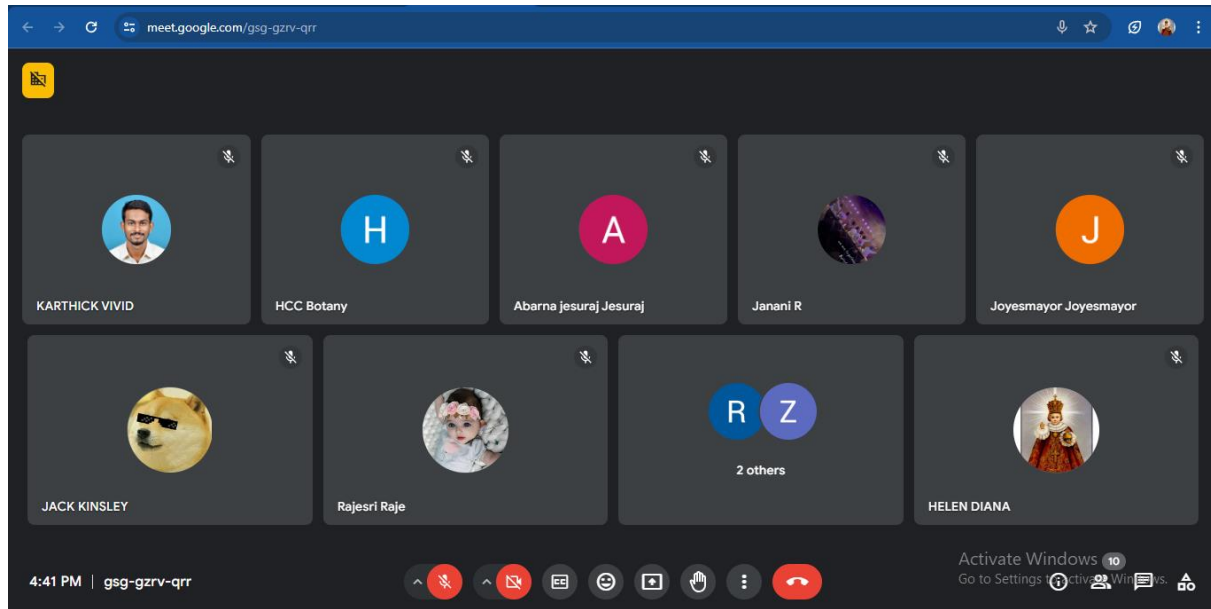
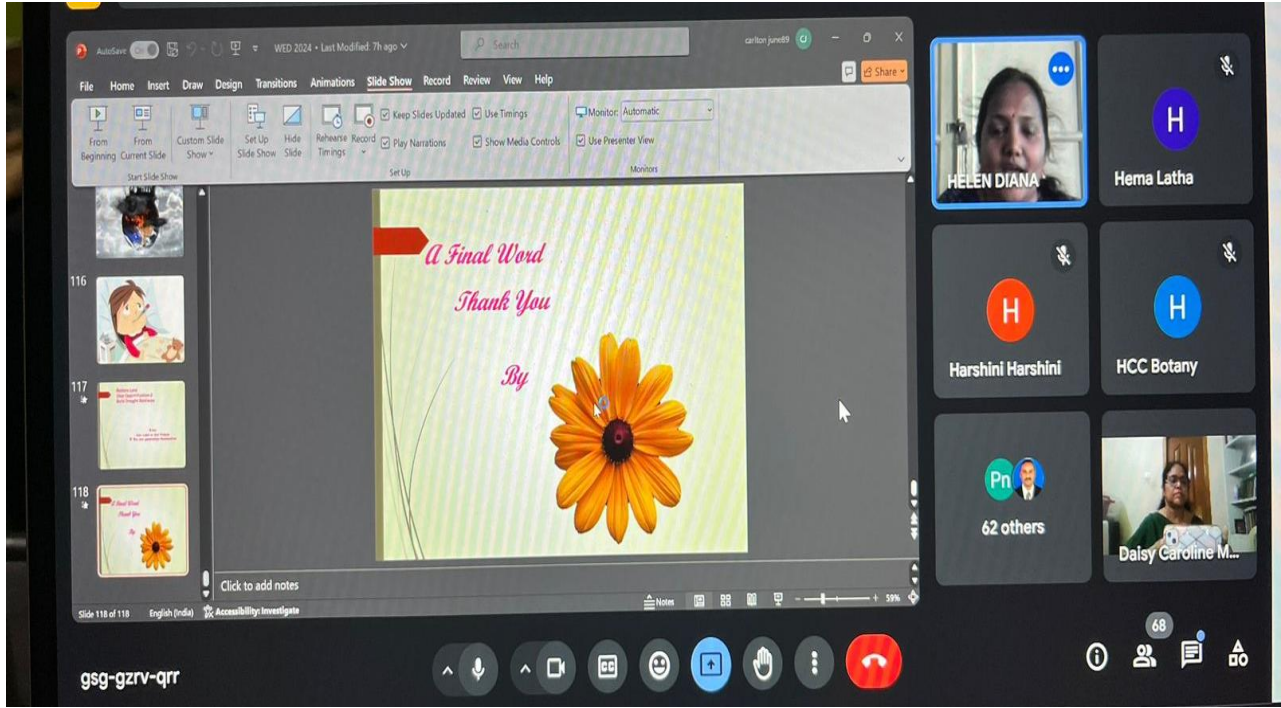
CONVENER
Dr.R.KAVITHA
Assistant Professor & Head
PG and Research Department of Botany
Holy Cross College (Autonomous)
Tiruchirappalli - 620 002

Kindly Register by using the Link below:
<https://forms.gle/N5Xx7cnn3zb7r7zj8>

Contact us for any queries
e-mail id: botany@bcctrichy.ac.in

To celebrate the World Environment Day, PG and Research Department of Botany conducted an enlightening webinar session on the topic "Our land, Our future, We are # Generation Restoration" on 05.06.2024 at 2:30pm. The webinar started with prayer followed by welcome address given by Dr.A.Auxilia, Assistant Professor of Botany, Holy Cross College (Autonomous) Tiruchirappalli. The resource person was Daisy Caroline Mary, Assistant Professor of Environmental Sciences, Bishop Heber College (Autonomous), Tiruchirappalli. The Resource person briefed on the importance of how to save the endangered species of both plants and animals by conserving our environment, our natural resources. She explained how each species contributes to the food web, which keeps the life cycle going on earth. Even if a tiny species goes extinct, it can disturb the entire cycle of existence. The impact caused by such careless acts of ours can cause irrevocable damage to our environment which will definitely cost lives. The session concluded with the awareness that, it's high time we take steps to conserve our existing natural resources thereby conserving species of plants and animals or else the day is not too far where we will have to pay for oxygen and water for survival. Her interaction with

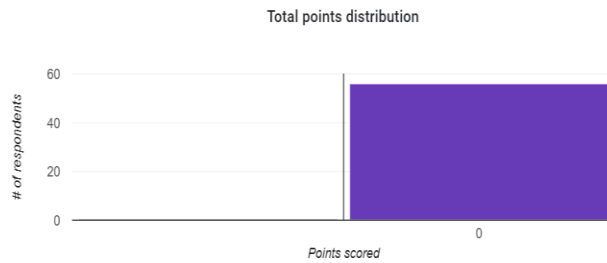
students was more valuable and her ideas gave an insight among the students about conservation of environment. About 56 participants from various institutions such as Sadakathullah Appa College, Tirunelveli, PSG College of Arts and Science, Coimbatore, National College, Tiruchirappalli, Vivekanandha College of Arts and Sciences Tiruchengode, Cauvery College, Tiruchirappalli were benefitted from the webinar. The webinar ended with the vote of thanks proposed by Dr. I. Helen Diana, Assistant Professor of Botany, Holy Cross College (Autonomous) Tiruchirappalli.



Average 0 / 0 points

Median 0 / 0 points

Range 0 - 0 points



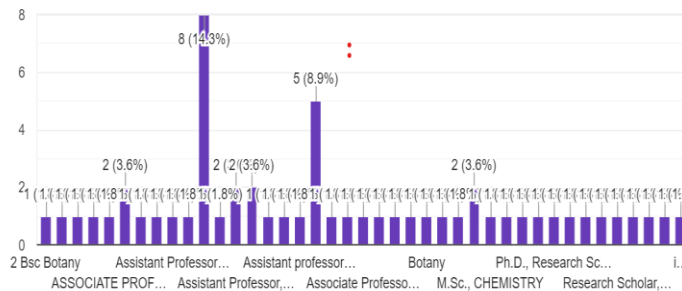
Email
56 responses

K. S. UMA BHARAI HI

Class/Designation & Department

Copy

56 responses



**PG AND RESEARCH DEPARTMENT OF BOTANY
HOLY CROSS COLLEGE (AUTONOMOUS)**

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College with Potential for Excellence

Tiruchirappalli – 620 002, Tamilnadu , India.

Awareness Programme on “Tree Plantation” – 01.07.2024

“Van Mahotsav” is a week-long festival observed annually starting from 1st July to 7th July in India to celebrate trees and environmental conservation.

To commemorate the Van Mahotsav week, the PG & Research Department of Botany organized an awareness programme on “Tree Plantation” on 1st July 2024 at 11.15 am in the college grounds. The primary objective of the program was to raise awareness about the importance of tree plantation for environmental conservation and sustainability. Both UG and PG students of botany department actively involved in the programme and created tree plantation awareness through their dance, skit and song that explained the present environmental issues, importance of plants and its conservation with placard which holds tree plantation slogan.

The program attracted many students belonging to various departments in the college and made them understand the importance of plants at the present scenario to combat the various environmental issues and also gained a deeper understanding of the role of trees in mitigating climate change and enhancing ecosystem services. The program fostered community involvement in tree planting initiatives, promoting a sense of environmental responsibility. Tree plantation Awareness programme ended with “Plant Trees Save Earth” slogan. Totally, 90 students and 9 staff members from the department of Botany involved in the programme and several students from other departments observed and enjoyed the event. The Tree Plantation Awareness Program successfully achieved its objectives of raising awareness and fostering community engagement in environmental conservation. It is hoped that, the knowledge gained through this awareness programme will contribute to a greener and more sustainable future.

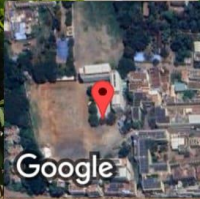
Awareness Programme on “Tree Plantation” – 01.07.2024 (Photos)





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GPS Map Camera



Tiruchirappalli, Tamil Nadu, India
RMGR+3G7, Tharanallur, Tiruchirappalli, Tamil Nadu 620008, India
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GPS Map Camera



Tiruchirappalli, Tamil Nadu, India
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GPS Map Camera



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06.07.2024 - TREE SCAVENGER HUNT - REPORT

In commemoration of “Van Mahotsav” – Tree plantation week, PG and Research Department of Botany organized an event named “Tree Scavenger Hunt” for all the students of our college on 6th July 2024 from 2.00 to 3.00pm. There were nine teams from various departments participated. Each team comprises of five members with their own department. There were 15 questions with clues. Each question was in the form of a riddle that hinted the location and nature of the trees & plants, so that the students can thoroughly decoding the hints. Various parts of the college premises were used to place the clues and hints of the questions. As it was a time bound activity, it was considered that the team members who collected the information with the given clues & hints correctly find out the answers to all the questions would be declared as the winner. There was a lot of exhilaration as students ran from one place to another and taken selfies and geotag photos along with the possible locations where the clues and hints given, then moved on to another question. There was a tremendous team work and co-ordination among the team members. At the end, it was a “treasure” to all of us who organized the event as we saw the enthusiasm and passion of the students who participated with smiles on their face after finding the final answer with its clue. Finally II BA History students namely C. Maheswari, Harini Palanisami, L. Priya, A. Josephin Jenova and P. Gayathri won the first prize.

06.07.2024 - TREE SCAVENGER HUNT - PHOTOS



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Tiruchirappalli-620 002

To celebrate Tree Plantation Week
PG and Research Department of Botany
Organizes

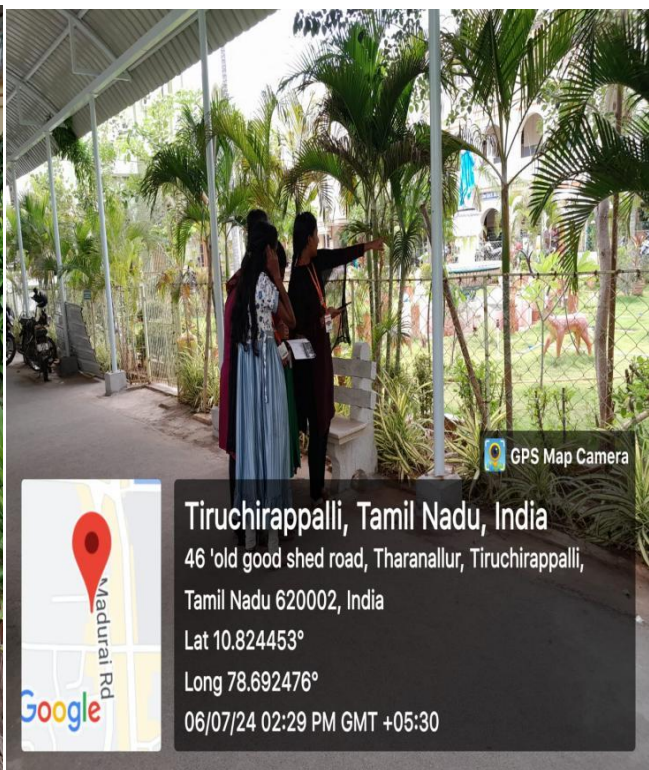
TREE SCAVENGER HUNT GAME

On
6th July 2024 at 1:30 p.m

Instruction

- 5 Students from each department
- 1 team per department
- Duration of the game is 1 hour
- The winners will be awarded prizes

ALL ARE CORDIALLY INVITED





Tiruchirappalli, Tamil Nadu, India
RMFR+MMG, Tharanallur, Tiruchirappalli, Tamil Nadu
620002, India
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GPS Map Camera



Tiruchirappalli, Tamil Nadu, India
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GPS Map Camera

HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPPALLI
PG AND RESEARCH DEPARTMENT OF BOTANY
TREE PLANTATION REPORT AT TIRUPATTUR

DATE: 13.07.2024

Around 35 Students of II M.Sc., and III B.Sc., Botany were taken to Thirupattur for a tree plantation programme on July 13, 2024 accompanied by Dr. A. Freeda Rose and Dr. I. Helen Diana, Assistant Professors, PG and Research Department of Botany. During the tree plantation activity, 200 fruit tree saplings were planted around the Brahmapureswarar Temple pond in collaboration with IDBI Bank's corporate social responsibility team. The event was inaugurated by Mr. Vaidyanathan, affectionately known as the "Tree Man," who serves as the Personal Assistant to the Collector of Perambalur District. IDBI Bank executive officer & the team and Mr. Sankaran, Gurukul, Brahmapureswarar Temple were also present. The fruit species like *Manilkara zapota*, *Annona squamosa*, *Syzygium cumini*, *Citrus limon*, *Punica granatum*, *Mangifera indica* were planted. These fruit trees will support the sustenance of tree dwelling apes and birds by supplying food and shelter. Adding to the day's significance, four of our PG students and Dr. A. Freeda Rose, participated in a live interview with FM radio, raising awareness about the importance of planting trees.





HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPPALLI

PG AND RESEARCH DEPARTMENT OF BOTANY

FIELD VISIT REPORT (13.07.2024)

On July 13, 2024, around 35 students from the II M.Sc. and III B.Sc. Botany, were participated in a one-day educational field visit to Sanamangalam, accompanied by Dr. A. Freeda Rose and Dr. I. Helen Diana, Assistant Professors in the PG and Research Department of Botany. Students were amazed by the 'VirutchagaSolai,' a grand government nursery in Sanamangalam, Tiruchirappalli, which showcased an extensive collection of one crore plant saplings of different tree species.

The students also witnessed the Forest Tree Seed Research Centre, P.K. Agaram, Tiruchirappalli District and explored various facilities such as the Cold Seed Storage Unit, Seed Explanation Centre and Seed Germination Place. Notably, students observed seeds of Sholas forest species, medicinal plants, agroforestry plants and the poly house (the place where rare species of plants are germinated and propagated). This place is maintained at 95% humidity. Thirty-five students benefited from this field visit, which highlighted the significance of environmental conservation and the innovative methods being implemented to support sustainable forestry.



Sanamangalam, Tamil Nadu, India
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Long 78.79516°
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GPS Map Camera



Sanamangalam, Tamil Nadu, India
3Q7W+JJ, Sanamangalam, Tamil Nadu 621104, India
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GPS Map Camera



 **GPS Map Camera**



Sanamangalam, Tamil Nadu, India
3Q7W+JJ, Sanamangalam, Tamil Nadu 621104, India
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PG AND RESEARCH DEPARTMENT OF BOTANY
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INDUSTRIAL VISIT TO VAAHAA NATURALS- ORGANIC FARM

(20.07.2024)

Students of I,II M.Sc Botany and II B.Sc Botany were taken to an Industrial visit to “Vaahaa Naturals- Organic Farm” and “Matha Nursey and Garden Care”, Dindigul on 20.07.2024. Students were accompanied by Dr. M. Revathi and Dr.B. Helenmary Piramila, Assistant Professors of Botany and Mrs. A. Marina, Administrative staff. The journey was started at 8:00AM in the morning.

At “Vaahaa Naturals” the students and the faculty members were welcomed by Mr.Arockia Samy, Supervisor of the farm. He gave a brief introduction about the “Vaahaa Naturals-Organic farm” and the different kinds of farming methods they practiced like integrated farming. Preparation of organic manures like panchakaviya, amirthakaraisal and 3D karaisal were also explicated by him. In addition to these he had clearly enlightened about more than 100 organic products prepared in Vaahaa in various categories like stone pressed sesame oil, ground nut oil, coconut oil, millets powder, naval honey, drumstick honey, traditional poha, traditional millets multi vitamin malt, health mix powder, palm jaggery, palm candy, baby bath powder, hair wash powder, herbal sanitary napkin etc.

After the introductory session the students directly visited the organically grown ground nut field and vermicompost unit. Followed by this they visited the poultry farm with organically grown different breeds of chick and animal husbandry with wild cow and bull varieties. Later then they had a chance to visit the preparation unit of organic pesticides, most interesting apiculture unit of preparing three types of honey like hill honey, naval honey and drumstick flower honey.

Farm workers in Vaahaa had proudly said that their aim is to produce the best quality products that are entirely natural and organic. Through this visit the students gained more knowledge on different organic farming methods and entrepreneurship ideas.

In the afternoon the students visited the most stunning place "Matha Nursey and Garden Care". There they saw so many orchids, herbs, shrubs, trees, cactus, creepers, bonsai plants, ornamental plants, special indoor plants. To mention a few *Jasminum officinale*, *Rosa sinensis*, *Nerium oleander*, *Petroselinum crispum*, *Syringa vulgaris*, *Ficus retusa*, *Acer palmatum*, *Juniperus spp.*

The proprietor of "Matha Nursery and Garden care", had shared the history and the maintenance of nursery, ideas about the selection of seeds for plantation and plantation methods. Then they saw the cultivation pond of *Azolla* and *Spirulina*.

In this trip the students had a wonderful experience in seeing different species of enormous plant diversity and different farming methods. Finally they gained the knowledge that "Nature Always Wears The Colours of Spirit".





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31.07.2024 - Inauguration of Linnaeus club of Botany

The Inauguration of Linnaeus club of Botany for the academic year 2024-2025 was held on 31.07.2024 at 2.00 pm in Shanthi's Hall. The Resource person of the day was Mrs. J. Jeline Rani, Assistant Professor, PG and Research Department of Botany, Bishop Heber College (Autonomous), Tiruchirappalli. The Program begin with prayer song by II M.Sc., Botany students followed by welcome address by Dr. A. Auxillia, Assistant Professor of Botany and reading the minutes by Miss. Deepthi, II M.Sc Botany Secretary of Botany Club.

The chief guest Mrs. J. Jeline Rani delivered the inaugural address on the topic of – ‘Nature’s Life Line- the Critical Need for Species Conservation. She explained the IUCN Red list threat categories and hot spots of threatened Plants, Birds, Amphibians, Reptiles, fishes and invertebrate species. She mentioned the importance of Biodiversity and also highlighted the reforestation activity in other countries and conservation efforts and strategies. She has given the keen knowledge about the sustainable agriculture for healthy living and the role of individuals and communities to conserve the biodiversity in future. It was a thought-provoking session. Moreover, her speech motivates the younger generation to be a responsible citizen in conserving the nature. 90 undergraduate and postgraduate students were participated in the inauguration meeting. The meeting came to end with the vote of thanks by Dr. I. Ramya Roselin Assistant Professor of Botany.



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SCHOOL OF LIFE SCIENCES

PG and Research Department of Botany

(DST FIST AND DBT STAR COLLEGE SCHEME)

INAUGURATION OF BOTANY ASSOCIATION

PRESIDED BY

Rev.Sr.Dr. Isabella Rajakumari
Principal

RESOURCE PERSON

Mrs.Jeline Rani.J

Assistant Professor
Department of Botany
Bishop Heber College (Autonomous)
Tiruchirappalli - 620 023

Will deliver the inaugural address on

**'Nature's Lifeline' : The critical need for Species
Conservation.**

Date: 31.07.24

Time : 2.00 to 4.00 pm

Venue : Shanthi's Hall

ALL ARE WELCOME

HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPPALI-620002

SCHOOL OF LIFE SCIENCES

PG & RESEARCH DEPARTMENT OF BOTANY

Linnaeus club of Botany Inauguration



HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPPALI-620002

SCHOOL OF LIFE SCIENCES

PG & RESEARCH DEPARTMENT OF BOTANY

Linnaeus club of Botany Inauguration



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Tiruchirappalli – 620 002, Tamilnadu , India.

HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPPALI-6200002

SCHOOL OF LIFE SCIENCES

**LINNAEUS AND ARISTOTLE CLUB OF PG & RESEARCH DEPARTMENT OF
BOTANY AND ZOOLOGY (05.08.2024)**

lecture session on "Hepatitis and Dengue: Traditional System of Medicine will keep it out"

HOLY CROSS COLLEGE (AUTONOMOUS)
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NATIONALLY ACCREDITED (4th CYCLE) WITH A++ GRADE (CGPA 3.75/4) BY NAAC
COLLEGE WITH POTENTIAL FOR EXCELLENCE
TIRUCHIRAPPALLI - 620002

**ASSOCIATIONS OF THE PG & RESEARCH DEPARTMENTS OF
BOTANY & ZOOLOGY**

**Cordially invite you for a lecture session
on
HEPATITIS AND DENGUE:
TRADITIONAL SYSTEM OF MEDICINE
WILL KEEP IT OUT**

Presided by
Rev. Sr. Dr. Isabella Rajakumari
Principal
Holy Cross College (Autonomous)
Tiruchirappalli.

Resource Person
Dr. M. Lakshmi Bharathi
Siddhamaruthuva Semmal
Ambasamudram, Tirunelveli
Organising Committee

DEPARTMENT OF BOTANY	DEPARTMENT OF ZOOLOGY
1. Dr. Kavitha R - Asst.Prof.&Head	1. Dr. Sujatha Ilangovan- Asst.Prof.&Head
2. Dr. R. Manonmani - Asst.Prof.	2. Dr. M. Rajathi D Modilal -Asst.Prof.
3. Ms. S. Deepthi - Student President	3. Ms. Neha S -Student President

DATE :05-08-2024 TIME: 2-4 p.m. VENUE: SOPHY'S HALL

05.08.2024 Lecture Session of Linnaeus and Aristotle Club

The Association meet of PG and Research Department of Botany and Zoology was held on 5th August 2024 between 2.00 and 4.00 p.m. at Sophy's Hall. The meeting was commenced with the prayer service led by II M.Sc Zoology students. Ms. Nivetha priyadharshini of II PG Zoology welcomed the gathering and followed by reading of the minutes by Miss Deepthi, II M.Sc Botany, Secretary of Linnaeus Club and Miss. Neha, II M.Sc Zoology, Student President of Aristotle Club.

The meeting was presided over by Dr. M. Lakshmi Bharathi, Siddhamaruthuva Semmal, Ambasamudram, Tirunelveli. She has delivered her lecture on the topic "Hepatitis and Dengue: Traditional System of Medicine will keep it out" by describing different types of Hepatitis and their causes which included contaminated shaving razors and non-sterile tattoo needles etc. She engrossed on the benefits of the conventional method of food and medicines such as tender coconut, gooseberries and other calcium rich foods in treating liver diseases and hepatitis.

Then she insisted the effects and benefits of consuming Adhimadhuram in treating the metabolic disorders of Hepatitis and also highlighted the importance of consuming Nilavembu and Pirandai in treating dengue caused by *Aedes aegypti* Mosquito. Finally, she imparted the effect of Thoothuvalai in treating X-syndrome that is a condition in which the administered insulin is rejected by the body of diabetic patients.

The session was highly informative and very interesting. 150 UG and PG students of Botany and Zoology were participated. The meeting was concluded with the vote of thanks proposed by E. Preethi kanchila of II M.Sc Botany.

HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPPALI-620002

SCHOOL OF LIFE SCIENCES

PG & Research Department of Botany and Zoology

Linnaeus and Aristotle Club of Lecture Session Report (05.08.2024)



HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPPALI-620002

SCHOOL OF LIFE SCIENCES

PG & Research Department of Botany and Zoology

Linnaeus and Aristotle Club of Lecture Session Report (05.08.2024)



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**HOLY CROSS COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI -2
LINNAEUS CLUB OF PG AND RESEARCH DEPARTMENT OF BOTANY
Student Welfare Program -Elevate & Empower: Alumnae Insights for Students' Success
(12.08.2024)**

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Tiruchirappalli-620 002, Tamil Nadu, India

Linnaeus Club of PG & Research Department of Botany
Organizes
Student Welfare Program on

**ELEVATE & EMPOWER: ALUMNAE INSIGHTS FOR
STUDENTS' SUCCESS**

RESOURCE PERSONS

Ms.M.Selva Priya M.Sc.,B.Ed. P.G Assistant in Botany GTR Hr.Sec.School Thuraiyur	Ms.Sushma M.Sc., Assistant Manager Sushmaa Demolition Works
Ms. S.Vanathi M.Sc., Founder of Academic Writings & Research Scholar,	Ms.B.Dhanashi M.Sc., Creator of DD's Biology Co-founder of Academic Writings
Ms.A.Bashira M.Sc., B.Ed Entrepreneur Micro Pencil Art Co-founder of Academic Writings	Ms. A.Pavi Lucia Mary B.Sc., B.Ed., AR Executive in Medical Billing Trichy

Date: 12.08.2024
Time : 2:00 pm - 4:00pm
Venue :Botany Laboratory

All are Cordially invited....!

HOLY CROSS COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI -2
SCHOOL OF LIFE SCIENCES

LINNAEUS CLUB OF PG AND RESEARCH DEPARTMENT OF BOTANY

Student Welfare Program -Elevate & Empower: Alumnae Insights for Students' Success (12.08.2024)

The Student Welfare Program was organized by the Linnaeus club of PG and Research Department of Botany for the academic year 2024-2025 on 12.08.2024 at 2.00 pm in UG laboratory. The Resource persons of the day were a panel of distinguished alumnae from various sectors including, Mrs. M. Selva Priya, P.G. Assistant in Botany at GTR Hr. Sec. School, Thuraiyur, Ms. Sushma, Assistant Manager at Sushma Demolition Work, Ms. S. Vanathi, Founder of Academic Writings and Research Scholar, Ms. B. Dhanashi, the creator of DD's Biology and Co-founder of Academic Writings, Ms. A. Bashira, an entrepreneur in Micro Pencil Art and Co-founder of Academic Writings, and Ms. A. Pavi Lucia Mary, AR Executive in Medical Billing, Trichy. The Program began with prayer song by I M.Sc., Botany students followed by welcome address by Dr. I Ramya Roselin, Assistant Professor of Botany and reading the minutes by Miss. Deepthi, II M.Sc Botany President of Botany Club. One of the chief guests Mrs. Selva Priya, shared her experiences of clearing the Teachers Recruitment Board (TRB) exam. She reminisced about her college days, encouraging students to stay focused on their goals and persevere through challenges.

Ms. Sushma then took the stage to discuss the entrepreneurial mindset. She emphasized the importance of starting a business, highlighting the essential steps such as business registration, obtaining necessary permits, setting up accounting systems, and understanding both central and state government schemes. She also shared ideas on the types of businesses one can start in India. Ms. S. Vanathi discussed the challenges students face in self-identification and shared her expertise as the Founder of Academic Writings. She has given valuable guidance on preparing project reports, project ideas, internship reports, assignments, seminars, resumes, and interview techniques. Ms. B. Dhanashi, the creator of DD's Biology and Co-founder of Academic Writings, shared her college experiences and the journey of starting her YouTube channel, DD Biology. Her story was a testament to how passion and hard work can lead to success. Ms. A. Bashira shared her entrepreneurial experience in Micro Pencil Art and co-founding Academic Writings. She gave insights on future prospects and inspired students to

explore creative avenues. Lastly, Ms. Pavi Lucia Mary explained the key roles in medical billing, including data entry, coding, and account receivable. She gave an overview of the process in medical coding and shared the qualifications and skills required for those interested in pursuing a career in this field.

The event was a wonderful opportunity for students to learn from the experiences and insights of successful alumnae, empowering them to achieve their own goals and also this event provided valuable guidance on career motivation, entrepreneurship, project preparation, and medical billing. The program concluded with the vote of thanks by B. Akalya, I M.ScBotany.

**HOLY CROSS COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI -2
SCHOOL OF LIFE SCIENCES**

**LINNAEUS CLUB OF PG AND RESEARCH DEPARTMENT OF BOTANY
Student Welfare Program -Elevate & Empower: Alumnae Insights for Students' Success
(12.08.2024)**



HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPPALI-620002

SCHOOL OF LIFE SCIENCES

LINNAEUS CLUB OF PG AND RESEARCH DEPARTMENT OF BOTANY

**Student Welfare Program -Elevate & Empower: Alumnae Insights for Students' Success
(12.08.2024)**



INDUSTRIAL VISIT TO K.S.VARIER'S ASHTANGA AYURVEDICS PVT LTD

22.08.2024

Students of II M.Sc & III B.Sc Botany were taken to an Industrial Visit to K.S.Varier's Ashtanga Ayurvedics Pvt Ltd, Thayanur, Tiruchirapalli on 23rd August 2024. Students were accompanied by Dr. R. Kavitha and Dr. M.Revathi, Assistant professors of Botany.

The proprietor Mr. Sasi Varier welcomed the students and staff members and gave an introduction about the industry. He explained that Ashtanga is one of the oldest manufacturers of Ayurvedic Medicines in Tamil Nadu, founded in 1936 and Ayurveda has a lot to give to keep man healthy by way of its natural preparations that are more food-like and can be a supplement to health. In addition, he enlightened that Ashtanga plans a range of products developed out of its vast experience in Ayurveda, which shall be more acceptable to the modern times and adhering to the basic principles of Ayurveda. He specifically mentioned that they are using 7,000 to 8,000 medicinal plants as the best source for medicine and is committed to spread the greatness of the science all over the world.

After the introductory session the students were divided into two groups and visited the production unit systematically. First they visited the raw material section where the various sources of products were kept. Followed by this they learnt about BMR (Batch Manufacturing Record) and processing unit in which goods are created by combining raw materials using a predetermined formula. Next unit they visited was grading section where quality control will be done by the chemist. In addition to these they also saw different types of machineries like disintegrater, intergrater and pulverizers. In capsule section, they came to knew that around 300 capsules were prepared at a time. Finally they familiarized the

different methods that can be used in packaging, wrapping, cushioning, weather proofing and sealing.

In this visit the students had a very wonderful knowledge about the medicinal uses of herbal plants and the method in which they made into many formulations without any side effects.





**PG AND RESEARCH DEPARTMENT OF BOTANY
HOLY CROSS COLLEGE (AUTONOMOUS)**

(Affiliated to Bharathidasan University)

Nationally Accredited (4th Cycle) With "A ++ Grade" (CGPA 3.75/4) by NAAC

College with Potential for Excellence

Tiruchirappalli – 620 002, Tamilnadu , India.

**Report of “International Symposium on Microbiome & Transformative Biology:
Exploring the future of life sciences”**



Holy Cross College (Autonomous)
Affiliated to Bharathidasan University
Nationally Accredited (4th Cycle) with A++ Grade (CGPA 3.75/4) by NAAC
College with Potential for Excellence
TIRUCHIRAPPALLI - 620 002, Tamil Nadu, India.

**PG & Research Department of Botany
School of Life Sciences**

Cordially invites you for the
International Symposium
on
**Microbiome & Transformative Biology:
Exploring The Future of Life Sciences**

Date : 30th August 2024 (Friday)
Time : 9.30 a.m.
Venue : Sophy's Hall

PROGRAMME

9.30 – 10.30 am.

Inauguration

Prayer

Welcome Address

Dr. R. Kavitha

Assistant Professor & Head
PG & Research Department of Botany
Holy Cross College (Autonomous)
Tiruchirappalli

Presentation of Memento

Inaugural Address

Rev. Dr. (Sr.) Sarguna

Secretary
Holy Cross College (Autonomous)
Tiruchirappalli

Presidential Address

Rev. Dr. (Sr.) Rajakumari. P

Principal
Holy Cross College (Autonomous)
Tiruchirappalli

Key Note Address

Dr. D. Dhanasekaran

Professor
Department of Microbiology
Bharathidasan University
Tiruchirappalli

Vote of Thanks

Dr. B. Helenmary Piramila

Assistant Professor
PG & Research Department of Botany
Holy Cross College (Autonomous)
Tiruchirappalli

10.30 - 11.45 a.m.

Session – I

“Microbiome & Genomic Analysis of root nodule symbionts in Actinorrhizal plants.”

Dr. D. Dhanasekaran

Professor
Department of Microbiology
Bharathidasan University
Tiruchirappalli

11.45 -12.00 p.m.

Tea Break

12.00 -1.00 pm.

Session - II

“UNIVANICH oil palm industrial research & development for commercial production and global marketing”

Dr. P. Baskaran

Principal Scientist & Head of Research
Oil Palm Research Center (OPRC)
Univanich Palm Oil PCL Ltd., Plaiphraya
Krabi 81160 - Thailand

1.00 -2.00 pm.

Lunch Break

2.00 -3.00 pm.

Session – III

“Actinobacteria biopesticide”--A nature’s boon”

Dr. H. Syed Jahangir

Associate Professor & Head
Department of Botany
Jamal Mohamed College (Autonomous)
Tiruchirappalli

3.00 - 4.00 p.m.

Valediction

ORGANIZING COMMITTEE

Chief Patron

Rev. Dr. (Sr.) Rajakumari. P

Principal
Holy Cross College (Autonomous)
Tiruchirappalli

Convener

Dr. P. Shanthy

Dean, School of Life Sciences,
Associate Professor in Botany,
Holy Cross College (Autonomous)
Tiruchirappalli

Organizing Secretary

Dr. R. Kavitha

Assistant Professor & Head,
PG & Research Department of Botany
Holy Cross College (Autonomous)
Tiruchirappalli

Organizing Committee Members

Dr. S. Catharin Sara, Associate Professor

Dr. M. Revathi

Dr. R. Manonmani

Dr. A. Auxilia

Dr. B. Helen Mary Piramila

Dr. A. Freeda Rose

Dr. I. Helen Diana

Assistant Professors
PG & Research Department of Botany
Holy Cross College (Autonomous),
Tiruchirappalli

FOR FURTHER DETAILS PLEASE CONTACT

Dr. R. Kavitha – 8056439269

e-mail id: botany@hcctrichy.ac.in

“International Symposium on Microbiome & Transformative Biology: Exploring the future of life sciences” organized by the PG and Research Department of Botany on 30th August 2024 started with the prayer service. The symposium commenced with the inaugural ceremony. Dr. R. Kavitha, Organizing secretary and Head of the Department of Botany, Holy Cross College (Autonomous), Trichy welcomed the gathering.

Rev. Dr. Sr. Judy Gomez, Vice principal, Holy Cross College (Autonomous), Trichy, felicitated the symposium and she insisted that our body is a “Temple of God” and eating unhealthy food might destroy the microbiome of our body and she had also stated that natural probiotics like curd and fermented rice will increase the microbiota of our body. She aquainted that this symposium will help in “Nurturing nature” so that we will be healthy. Besides these she wished the Department to attain great success by conducting many programmes in the future.

Dr. D. Dhanasekaran, Professor, Department of Microbiology, Bharathidasan University, Trichy, delivered a Key note address of the symposium. He congratulated & appreciated the department for organizing the symposium on this title. He mentioned that the title of the symposium is very unique and it is the need of the hour. In addition he quoted the inspiring words of Bharathidasan and six essentials of life. Finally he concluded with the recent advancements in genetic engineering, plant microbiome interaction and plant based medicine.

The inauguration successfully came to an end with a vote of thanks proposed by Dr. B. Helenmary Piramila, Assistant professor of Botany, Holy Cross College (Autonomus), Trichy.

I Session of the symposium was chaired by Dr. D. Dhanasekaran, Professor, Department of Microbiology, Bharathidasan University, Trichy. He delivered a lecture on the topic Microbiome & Genomic Analysis of root module symbionts in Actinorhizal plants. He started his session with the introduction about microbiome and different types of human microbiome. He proceeded with the ecology of nitrogen fixing bacteria and biological nitrogen fixation. He had also explained the different species of *Casuarina* and

root nodules of the plants pictographically. At last he gave an explanation on “Actinorhizal symbiotic bacteria- culture dependant approach”.

Dr. H. Syed Jahangir, Associate professor & Head, Department of Botany, Jamal Mohamed College, Trichy was the resource person for the technical session II. He gave a lecture on “Actinobacteria biopesticide – a nature’s boon”. He highlighted the negative impact of chemical pesticides on non- target organisms and soil that leads to serious damage to the food chain and food web. Moreover, bio-pesticides are eco- friendly, non-toxic and genetically focuses on target organisms. He also explained the different types of pests in Brinjal and the impact of bio-pesticides on controlling them.

The last technical session of the International symposium was taken over by Dr. P. Baskaran, Principal Scientist & Head of Research, Oil Palm Research centre, Univanich oil palm PCL, Ltd, Krabi, Thailand, on the topic “Univanich oil palm industrial research & development for commercial production and global marketing”. He captivated the participants with the leaf explants to induce somatic embryogenesis in oil palm. Preliminary experiments in oil palm cloning and the protocol in OPRS using inflorescence explants also familiarized by him. In addition to theses he also focused on the cryopreservation process and the contamination of culture. Finally the video played by him was clearly explained the production technologies involved in high yielding oil. There were 84 participants of undergraduate, postgraduate botany students and research scholars benefitted from this event.

The valediction of the International symposium was started with the prayer. Dr.M. Revathi, Assistant Professor of Botany, Holy Cross College (Autonomous) Trichy, read the consolidated report of the symposium. The valediction came to an end successfully with the vote of thanks proposed by Dr. R. Manonmani, Assistant professor of Botany, Holy Cross College (Autonomous), Trichy.



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