



SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT  
SCMS Campus, Prathap Nagar, Muttom, Aluva, COCHIN- 683 106. Kerala

# FIELD WORK BIOTECH





# SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT

SCMS Campus, Prathap Nagar, Muttom, Aluva, COCHIN- 683 106. KERALA

## Department of Biotechnology

### B.Sc Botany & Biotechnology(Double Main) 2020-2023

#### Student List -Field trip to JNTBGRI

Sl.No.	Name of the student	Roll No.
1	SREEVARSHA.S	B.Sc Bt 98
2	THOMAS JOHN	B.Sc Bt 99
3	GOWRI PRIYA P.S	B.Sc Bt 103
4	UTHARA UTHAM KURUP	B.Sc Bt 104
5	PAVAN A KUMAR	B.Sc Bt 105
6	GOVIND T S	B.Sc Bt 108
7	ABDUL HAZEB.K.A	B.Sc Bt 109
8	LAKSHMI PRABHA	B.Sc Bt 111
9	IAS P AZAD	B.Sc Bt 112
10	PREETHI RAJ	B.Sc Bt 114
11	ARUNIMA SANKAR	B.Sc Bt 115
12	NAMITHA STANLEY	B.Sc Bt 118
13	DEVIKA JAYKUMAR	B.Sc Bt 119
14	POOJA P.S	B.Sc Bt 121
15	RISWANA K B	B.Sc Bt 124

Faculty: Mrs. Devaki Suresh, Mr. Ranjith C.V.



Dr. G SASHI KUMAR  
PRINCIPAL  
SCMS SCHOOL OF TECHNOLOGY AND MANAGEMENT





# SCMS SCHOOL OF TECHNOLOGY & MANAGEMENT

PROMOTED BY PRATHAP FOUNDATION FOR EDUCATION AND TRAINING

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Approved by the All India Council for Technical Education & Affiliated to M. G. University

SSTM/31/22/190

5/08/2022

To  
The Director  
Jawaharlal Nehru Tropical Botanic Garden and Research Institute(JNTBGRI)  
Palode, Thiruvananthapuram.

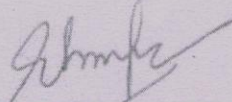
Dear Sir/Madam,

This is to inform you that the graduate students of BSc Botany and Biotechnology, Third semester, SCMS School of Technology and Management (SSTM), Cochin, along with two faculty members Mrs. Devaki Suresh and Mr. Ranjith C.V. will be visiting JNTBGRI for a study trip on 11<sup>th</sup> August 2022.

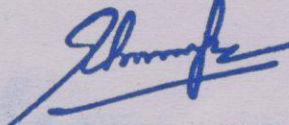
Kindly do the needful.

The list of students is attached herewith for your kind perusal.

Yours faithfully,

  
Dr. G SASHI KUMAR  
PRINCIPAL







## FIELD TRIP REPORT

Nature is the treasure house of information, knowledge and wisdom. Despite attending lectures and practicals in classrooms, the study trip to see things outside the campus will generate a new enthusiasm and positive energy. Since, the Botany and Biotechnology curriculum naturally demands an academic exposure through field trips and lab visits.

As per the course plan of the 3rd semester of BSc Botany & Biotechnology, the students have to visit a Biotechnology Institute to get accustomed with Biotech tools and techniques. The 4<sup>th</sup> semester course plan insists for the Algae collection. With respect to the course objectives we have chosen two places accordingly,

- A. **Tropical Botanic Garden and Research Institute(TBGRI), Thiruvananthapuram–  
Biotechnology lab**
- B. **Thirumullavaram Seashore, Kollam – Algal collection**

A. **TROPICAL BOTANIC GARDEN AND RESEARCH INSTITUTE(TBGRI):** Tropical Botanic Garden and Research Institute (TBGRI) is a reputed plant biotechnology research institute located at Palode, Thiruvananthapuram. In order to commemorate the late Prime Minister Jawaharlal Nehru, the institute is being officially named as Jawaharlal Nehru Tropical Botanic Garden and Research Institute (JNTBGRI). The institute has well defined infrastructure for doing biochemical, molecular and phytochemical research. The institute maintains a comprehensive collection of plants for conserving tropical wealth of India. The institute carries out taxonomical and ethnopharmacological research for plant improvement and utilization. The cultivation and culturing of plants of India especially for the economic benefit of Kerala is also taken care. Activities to help botanical teaching and to create public understanding of the value of plants, TBGRI undertakes sound research initiatives in plant tissue culture, isolation of phytochemical components etc. TBGRI functions under the umbrella of Kerala State Council for Science, Technology and Environment (KSCSTE), Government of Kerala.

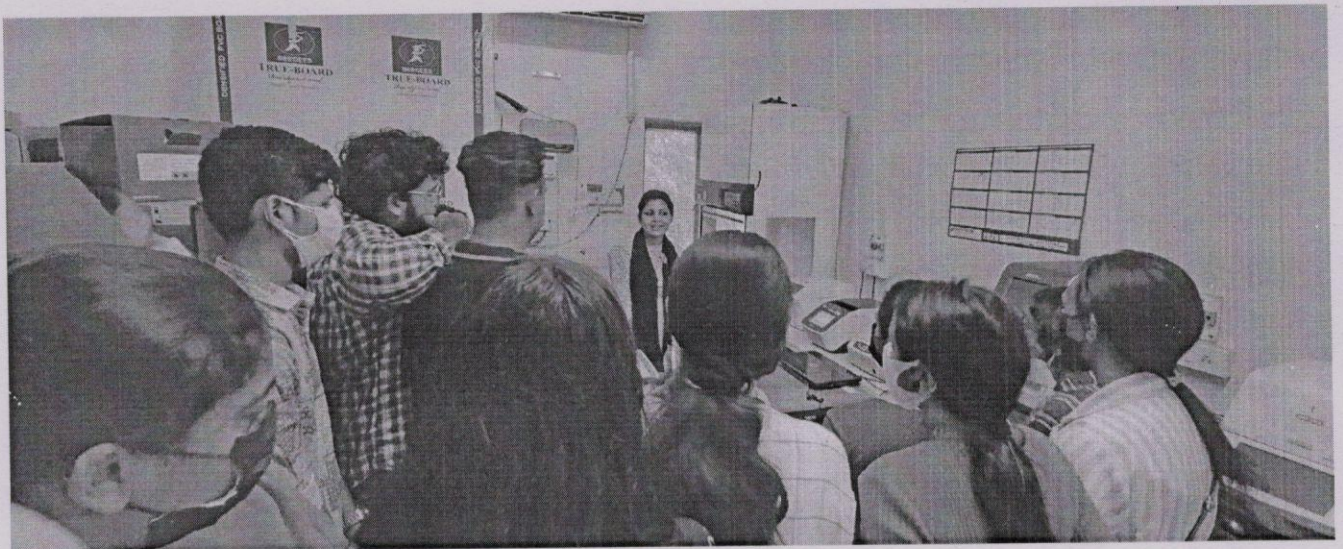
  
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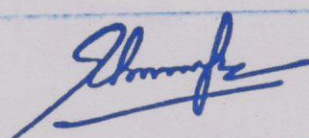






On 11<sup>th</sup> August 2022, the graduate students of BSc Botany and Biotechnology, third semester, SCMS School of Technology and Management (SSTM), Cochin, along with two faculty members **Mrs. Devaki Suresh** and **Mr. Ranjith C.V.** have conducted a study trip to JNTBGRI. The student group reached JNTBGRI at 11.00 am. In TBGRI, we visited Phytochemistry and Plant Molecular biology lab, where the students were able to see nucleic acid isolation, UV gel documentation systems, class on working and principle of PCR and qPCR techniques, Plant tissue culture techniques and storage rooms, Botanic garden, Cacti house, orchid & anthurium garden and biotechnology (culture techniques and storage environment) and bioinformatics division.





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B. **THIRUMULLAVARAM SEASHORE:** Subsequent to the visit to TBGRI, we extended our study trip to Thirumullavaram, Kollam for understanding the algal flora and for some specimen collection from the sea shore. So, on 12<sup>th</sup> August 2022 we reached Thirumullavaram, Kollam for algal collection. This trip was as per the objective of our 4<sup>th</sup> semester course plan. Then, we walked along the shores of the beach to find a good spot to collect algae. We collected different algal species like Sargassum, Chara, Spirogyra, Caulerpa, Coleochaete, Polysiphonia etc.

Altogether, the entire program was so exciting for the students since they learned and conceived the relative views of our ecosystem. Thus, they enjoyed the spirit of learning botany and biotechnology from this amazing journey. The trip has provided a wonderful experience for all of them.

**Mrs. Devaki Suresh**

**Deputy Director**

**Dr. Sethulekshmy Nair**

**Ranjith C.V**



**Dr. G SASHI KUMAR**  
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Field trip Attendance

Sl.No.	Name of the student	Roll No.	
1	SREEVARSHA.S	B.Sc Bt 98	Present
2	THOMAS JOHN	B.Sc Bt 99	Present
3	GOWRI PRIYA P.S	B.Sc Bt 103	Present
4	UTHARA UTHAM KURUP	B.Sc Bt 104	Present
5	PAVAN A KUMAR	B.Sc Bt 105	Present
6	GOVIND T S	B.Sc Bt 108	Present
7	ABDUL HAZEB.K.A	B.Sc Bt 109	Absent
8	LAKSHMI PRABHA	B.Sc Bt 111	Present
9	IAS P AZAD	B.Sc Bt 112	Present
10	PREETHI RAJ	B.Sc Bt 114	Present
11	ARUNIMA SANKAR	B.Sc Bt 115	Present
12	NAMITHA STANLEY	B.Sc Bt 118	Present
13	DEVIKA JAYKUMAR	B.Sc Bt 119	Present
14	POOJA P.S	B.Sc Bt 121	Present
15	RISWANA K B	B.Sc Bt 124	Present

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