



SREE NARAYANA COLLEGE KOLLAM

BIODIVERSITY CLUB AND SHANTHISTHAL



ACTIVITY REPORT

2020-2021

INTRODUCTION

Kerala State Biodiversity Board (KSBB) is planning to establish 'Biodiversity Clubs' in Colleges and Higher Secondary Schools in order to implement programmes to conserve biodiversity in a timely manner. Biodiversity Conservation programmes will be conducted by the Biodiversity Clubs in University Campus, Colleges and Higher Secondary Schools. These biodiversity clubs will carry out programmes for conservation of local biodiversity in accordance with Biodiversity Acts, in association with local Biodiversity Management Committees (BMCs). In addition, these clubs will also establish 'Shanthisthal', a man-made forest ecosystem in the colleges, where at least a minimum of 10-20 cents would be made available for making a forest grove with RET (Rare, Endangered and Threatened) species. This protected Shanthisthal maintained by the Biodiversity Club of the college in due course of time will become a biodiversity rich area of rare and endangered plant and animal species without human hindrance.

The main objectives of establishing the Biodiversity Clubs include

- In association with BMCs conduct biodiversity studies.
- Involve in the activities of forming People's Biodiversity Registers
- Assessing the local biodiversity and come up with programmes on benefit sharing of biodiversity resources in association with BMCs
- Conducting awareness programmes on biodiversity conservation
- Equip younger generation to create biodiversity awareness in the community
- Help to materialise Biodiversity conservation plans proposed by BMC of the area

Organisational structure Biodiversity clubs will have an organisational structure as given below:

Patron	: Principal of the College
Coordinator	: A teacher committed to biodiversity studies and conservation activities
Executive committee	: Three teachers and two students who are Interested in conservation/ protection of environment, one member of PTA
Invitees	: KSBB District Coordinator, One BMC member, Local Forest Officer and Local Agricultural Officer

The club shall have a minimum of 50 members drawn from various classes and shall not be gender based.

Guidelines for establishment of 'Shanthisthal'

- There shall be at least 10-20 cents available for establishing the 'Shanthisthal'
- The forest grove being made in the allotted land, shall be only with RET and local varieties of trees/ plants
- The State Biodiversity Board will offer financial support for initial establishment/ protection
- In course of time the forest grove referred to as 'Shanthisthal' would be an assembling of plant/ tree varieties of RET species and also would automatically enrich the faunal elements
- The teachers/ students shall maintain 'Shanthisthal' in a sustainable manner so that the future generations of students and the local community will get benefit out of it

- Once the trees/ plants are established, the local/ scientific names are to be displayed so that the Shanthisthal will also have an educative value
- In course of time a 'register' with the plants and animals in the 'Shanthisthal' to be prepared and maintained in the College for reference

Biodiversity Club in our college hosts various programmes in the academic year 2019-20. The biodiversity club in our college maintain a tree garden in the campus named Shanthisthal, a place where Rare, Endangered and Threatened (RET) plants were kept growing, maintained by the Biodiversity Club under the sponsorship of Kerala State Biodiversity Board Thiruvananthapuram. The following faculties are in charge of the club;

Dr. N. Ratheesh Dept. of Botany	(Co-ordinator)
Dr. Latha Sadananthan Dept. of Botany	(Member)
Dr Mini S Dept of Chemistry	(Member)
Smt. Greeshma P	(Member)
Dr. P.S. Preetha	(Member)

Student Representatives

ARCHANA SATHEESAN T
 ARYAKRISHNAN V
 ATHIRA MADHAV SURYA.B
 DRISYA D.S
 KAVYA RAMESH
 KRISHNENDHU S
 ARCHA. S
 ASHIK.S JEEVAN
 DHANESH P R
 DILNA .D
 GEETHU KRISHNAN
 GEOJITH GEORGE
 GOPIKA KRISHNAN P G

Activity Report 2020-2021

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Dr. P.S. Preetha	(Member)

Some of the activities are listed below:

1. Observation of World Environmental Day

World Environment Day was celebrated with various students activities on 5th June 2020. Biodiversity club in association with Department of Botany organize a digital poster making competition among college students through online mode. 17 students from our college registered the programme. Vignesh K, Second Year BSc Mathematics of our college Bagged First Prize.

2. Planting new seedlings at Santhisthal

The main activity of the club is to maintain the shanthisthal, a garden of rare and endangered and threatened (RET) plants. Students were entrusted to plant seedlings of fruit trees at Shanthisthal. Each tree seedling was planted by students and maintained it.

3. Regular maintaining activities at Santhisthal

The club members make four groups among themselves to perform the maintenance activities at Shanthisthal. Each day one group perform weeding, watering and other activity at evening time. Likewise all the four groups perform their activity from Monday to Thursday. Friday all the four groups jointly perform the activities. Possible Saturdays all the group members and coordinators were assembled at Shanthisthal to perform campus cleaning, weeding etc

4. Ozone Day 2020 Celebration

World Ozone day 2020 was celebrated in association with Department of Zoology, Bhoomithra Sena Club and Nature Club. The ozone layer, a fragile shield of gas, protects the Earth from the harmful portion of the rays of the sun, thus helping preserve life on the planet. The phaseout of controlled uses of ozone depleting substances and the related reductions have not only helped protect the ozone layer for this and future generations, but have also contributed significantly to global efforts to address climate change; furthermore, it has protected human health and ecosystems by limiting the harmful ultraviolet radiation from reaching the Earth. This year, we celebrate 35 years of the Vienna Convention and 35 years of global ozone layer protection. Life on Earth would not be possible without sunlight. But the energy emanating from the sun would be too much for life on Earth to thrive were it not for the ozone layer. This stratospheric layer shields Earth from most of the sun's harmful ultraviolet radiation. Sunlight makes life possible, but the ozone layer makes life as we know it possible.

World Ozone Day, held on September 16, celebrates this achievement. It shows that collective decisions and action, guided by science, are the only way to solve major global crises. In this year of the COVID-19 pandemic that has brought such social and economic hardship, the ozone treaties' message of working together in harmony and for the

collective good is more important than ever. The slogan of the day, 'Ozone for life', reminds us that not only is ozone crucial for life on Earth, but that we must continue to protect the ozone layer for future generations.

A webinar was organized to celebrate World Environmental Day 2020 on 16 September 2020 through Google meet platform. The programme was presided by our Principal Dr. R Sunilkumar and inaugurated by Dr C. Anilkumar, Senior Principle Scientist, Science Education Division, KSCSTE, Thiruvananthapuram. The Resource person was Dr AA Muhammed Hatha, Professor, Dept. of Marine Biology and Biochemistry, School of Marine Science, Cochin University of Science and Technology. He delivered an excellent speech on Ozone depletion- implication for life on earth. Welcome address was made by Dr S Sheeba and Vote of thanks was delivered by Dr S Sankar.

The Academic Collaboration was extended by Kerala State Council for Science Technology and Environment, Thiruvananthapuram. 75 students and faculty members participated in the webinar.

1. Brochure- Poster Presentation



SREE NARAYANA COLLEGE KOLLAM
(Affiliated to the University of Kerala)
Reaccredited by NAAC with 'A' Grade

Digital Poster Making Competition

Organised by
**Postgraduate and Research
Department of Botany**

In Connection with
World Environment Day 2020



In association with Biodiversity Club

Theme: **Celebrate Biodiversity with special
emphasis on Lockdown**

All original entries may be submitted in PDF/JPEG
format before 06 June 2020 to ratianchal@gmail.com

For more details
Dr. N. Ratheesh (Coordinator) 9446980933
Nisha AP (HoD) 9446527486

Organising Committee
Dr. Sunilkumar R (Principal)
Smt. Nisha AP (HoD)
Dr. Preetha PS
Dr. Latha Sadanandan
Dr. Kiran Raj MS
Dr. N Ratheesh (Coordinator)
Dr. Chithra Vijayan
Dr. Vilash V

Brochure World Ozone Day Celebration 2020



SREE NARAYANA COLLEGE KOLLAM
(Reaccredited by NAAC with A Grade)

Department of Zoology
In Association with
BHOMITHRA SENA CLUB, BIODIVERSITY CLUB AND NATURE CLUB

Organise a webinar in connection with
WORLD OZONE DAY- 2020
CELEBRATION

OZONE FOR LIFE - 35 YEARS OF OZONE LAYER PROTECTION

Ozone Depletion - Implications for Life on Earth!

Organising Committee
Dr. R. Sunilkumar Principal
Dr. S.V. Manoj IQAC Coordinator
Dr. B.T. Sulekha HoD
Dr. S. Sheeba Convener
Dr. N. Raatheesh Co-convener
Dr. Sankar S.
Dr. B. Hari
Dr. Anjana Thampi
Smt. Suja Karapath
Smt. Nimi M.
Dr. Latha Sadanandan
Smt. Nisha V.S.
Dr. Preetha P.S.
Smt. Greesha P.
Dr. Ambili S.
Dr. Biju M.S.
Dr. S. Jisha

Inauguration

Dr. Anilkumar C
Senior Principal Scientist
Science Education Division
KSCSTE Thiruvananthapuram

Resource Person

Dr. A.A. Mohamed Hatha,
Professor
Dept. of Marine Biology, Microbiology and Biochemistry
School of Marine Sciences
Cochin University of Science and Technology

Date : 16/09/2020
Time : 4.00pm

 Meet

Registration link
<https://forms.gle/AFFD1Rj9BvpjyRuV8>

Academic Collaboration :
Kerala State Council for Science
Technologu and Environment- TVM



Regular Activities at Santhisthaal



World Environment day 2020 Webinar

