

# CHRIST COLLEGE

(Autonomous)

Irinjalakuda



**CLUB REPORT**



## Report of Activities for the year 2019-2020

A district level mass awareness programme was organized for sensitizing stakeholders of higher educational institutions in Thrissur district, Kerala on responsible institutional waste management. The programme was organized by the Bhoomithrasena club, in collaboration with Enviro club and Biodiversity club, Christ College, Irinjalakuda and in technical collaboration with the Central Pollution Control Board (CPCB), Regional Directorate (South), Bengaluru with the objective to impart awareness to the teaching faculties, student coordinators of different clubs engaged in promoting green campus and on the scientific management of institutional wastes in the light of integrated waste management rules notified in 2016. The three-day training was organized with the financial support from KSCSTE, Govt. of Kerala, under their prestigious 'Environment Management Training' (EMT) programme for the year 2019-20. The target trainees were teaching faculties from various colleges in Thrissur district, student coordinators from various colleges, staffs from the health department of various local bodies in Thrissur district, staffs from Kerala State Pollution Control Board, district office, Thrissur and administrators from various colleges.

Apart from the training programme we also had taken initiatives for a plastic free Onam celebration 2019. Scientifically designed waste bins were installed at different locations in the campus for the category - wise segregation of solid waste. Awareness classes/ campaigns were conducted for the students/teachers to minimise the usage of plastics in the campus and the support from the management, students and teachers were really encouraging.



## **National Seminar on 'Know Your Nature', in connection with World Environment Day**

**5<sup>th</sup> June 2017**

**Date of Programme: 6<sup>th</sup> June 2017**

**Time: 9.30. a.m. to 4.30 p.m.**

**Venue: New Seminar Hall, Christ College (Autonomous), Irinjalakuda**

Organizers: Bhoomithra club, Dept. of Geology and Environmental Science, Dept. of Botany and National Service Scheme Sponsors of the programme: Kerala State Council for Science, Technology and Environment (KSCSTE), Thiruvananthapuram

Dr. Patil Suyog Subhash Rao, IFS, Divisional Forest Officer, Thrissur inaugurated the National seminar on 'Know Your Nature' organized in connection with World Environment Day celebrations 2017 funded by Kerala State Council for Science, Technology and Environment (KSCSTE), Thiruvananthapuram. Dr. Tessy Paul P., Associate Professor and HOD, Dept. of Botany and Coordinator, Biodiversity club welcomed the gathering. The function was presided over by Dr. Mathew Paul Ukken, Principal in charge, Christ College (Autonomous), Irinjalakuda. Dr. Deepesh V., Scientist, Central Pollution Control Board, Bengaluru and Dr. Dipu S., Scientist, Water Quality Division, Centre for Water Resources Development and Management, Kozhikode were the resource persons for the technical sessions. During his inaugural address Dr. Patil Rao stressed the importance of the theme 'Connecting people to Nature' which implores us to get outdoors and into nature to appreciate its beauty and its relevance.





Dr. Deepesh V. highlighted the importance of right environmental education and awareness for a responsible environmental behaviour. According to him institutions' role is important for infusing environmental awareness to a genuinely concerned student community. Dr. Dipu S. was keen on stressing the value of 'Blue Gold' for our better future. More than 250 participants including students and faculty members of the college and neighbouring colleges attended the programme. 06-06-2017 Planted saplings in connection with World Environment Day: In connection with the World Environment Day 2017, sapling of Nattumavu was planted in the College campus by Dr. Patil Suyog Subhash Rao, IFS, Divisional Forest Officer, Thrissur.

## Theme of the seminar



This seminar focuses on creating awareness on emerging environmental issues and to encourage actions for the protection and conservation of environment. It mainly thrusts on the significance of environmental monitoring in educating public about environmental conditions and in taking responsible decisions regarding environment.

## Programme

- Registration : 9.00 am – 9.30 am
- Inaugural session : 9.30 am – 11.00 am
- Inauguration : Dr. Patil Suyog Subhash Rao IFS  
Divisional Forest Officer, Thrissur
- Technical session 1: 11.30 am – 1.00 pm  
How well we are connected to **nature?**  
Dr. Deepesh V., Scientist, CPCB,  
Bengaluru.
- Technical session 2: 2.00 pm – 3.30 pm  
Blue Gold – Our future'  
Dr. Dipu S., Scientist, CWRDM,  
Kozhikode.
- Closing ceremony : 3.30 pm



**CHRIST COLLEGE (AUTONOMOUS)**  
IRINJALAKUDA, KERALA

Affiliated to the University of Calicut and Re-accredited by  
NAAC (Grade A)  
Ranked No.1 college in Kerala, 17th in India  
(Ranked by MHRD, Govt of India)

**NATIONAL SEMINAR**

*Know Your Nature*

*Jointly organised by*

Enviro – Bhoomithra club, Biodiversity club,  
Department of Geology and Environmental science,  
Department of Botany and  
National Service Scheme (NSS)



Funded by  
Kerala State Council for Science,  
Technology and Environment  
(KSCSTE), Thiruvananthapuram

*Date: 6th June,  
2017*

*Venue: Christ College  
Auditorium*





## Christ College (Autonomous), Irinjalakuda, Kerala

Christ College was started in the year 1956 by the Devamatha province of the Carmelites of Mary Immaculate (CMI), an indigenous Religious Congregation, founded in 1831, by St. Cyriac Elias Chavara, a saintly priest and versatile genius, who envisioned education as a tool for liberation and development. Christ College has been affiliated to Calicut University and re accredited by NAAC with the highest grade 'A'. Christ College is dedicated to Christ and has the Motto " JeevithPrabha" which means "Light of Life". Christ College is part of a century old tradition of CMI education that is at its heart, Christian and specifically Catholic. It offers an ideal vision of education that is aware of and responsive to the challenges of the nation's present situation.

## Department of Geology and Environmental Science

Dept. of Geology was established in 1981. Geology is concerned with the application of Physical Sciences, Biological Science and Mathematics to understand the different processes of earth. A Postgraduate Degree in Environmental Science started in the year 1999 under the leadership of Geology Department. Christ College is the only college under Calicut University to offer Postgraduate Degree programme in Environmental Science in aided stream and the course is limited to 12 students. All the members of the faculty are actively involved in research oriented activities.

## Department of Botany

Department of Botany established in June 1956 and the degree course in Zoology was started in 1957 with Botany as a subsidiary paper and it continued to initiate students into the wonderful world of flora. By June 1979 there were three batches of pre-degree (II Group). With the advent of multidisciplinary course, M.Sc Environmental Science in January 2000, the department also shouldered the responsibility for its conduct. From 2013 onwards, Botany department offers M.Sc. in Botany (self-financing)

## Enviro – Bhoomithra Club

Enviro – Bhoomithra club is an organization of staff and students of Christ College, which is trying to impart this vital knowledge of conservation of nature to the young generation. It organizes nature camps, seminars, talks, discussions, exhibitions and periodic interactions with students of nearby schools with a view to inculcate philosophy of conservation.

## Biodiversity Club

The Bio diversity club is an organization of staff and students of Christ College under the Kerala State Biodiversity Board, registered under Reg. No. KSBB/BC/45 to create awareness among the student community regarding the protection and conservation of biodiversity.

## National Service Scheme (NSS)

National Service Scheme (NSS) aims at education through community service. It is intended to arouse the social conscience of the student by preparing them to be useful to society.

### Patrons

Rev.Fr. Walter Thelappilly CMI  
Rev.Fr. Jacob Njerinjampilly CMI  
Principal  
Rev. Fr. Dr. Jose . T. M. CMI

### Coordinator

Dr. Manju N J

### Organising Secretaries

Dr. Tessy Paul P (Coordinator, Biodiversity club, Christ College)  
Dr. Rekha V B (Coordinator, Enviro - Bhoomithra club, Christ College)  
Dr. Layon Varghese (Member, Biodiversity club, Christ College)  
Dr. Jibin A K (Member, Biodiversity club, Christ College)  
Mr. Arun Batakrishnan (Coordinator, NSS, Christ College)

### Details of Contact

Dr. Tessy Paul P : 7558898955 email: tessyjohn1@gmail.com  
Dr. Manju N J : 9847939111 email: manjun78@gmail.com  
Dr. Rekha V B : 9646496819 email: rekhavb1@gmail.com







**National Seminar on “ Know your Nature ” 06-06-2017**  
**WORLD ENVIRONMENT DAY (5<sup>th</sup> JUNE) CELEBRATIONS 2017**



**Inauguration by: Dr. Patil Suyog Subhash Rao, IFS, Divisional Forest Officer, Thrissur**



**Organized by: ENVIRO CLUB, BIODIVERSITY CLUB & BHOOMITRASENA CLUB**

**In association with: Dept. of Geology and Environmental Science,  
Dept. of Botany & NSS**

**Financial Assistance : Kerala State Council for Science, Technology  
& Environment (KSCSTE), Thiruvananthapuram**





## National Seminar on “*Know your Nature*” 06-06-2017 INAUGURATION



**Prayer song: Dr. Vinitha E.**  
Assistant Professor, Dept. of Sanskrit



**Presidential Address: Dr. Mathew Paul Ukken**  
Principal in Charge



**Welcome Speech: Dr. Tessy Paul P.**  
HOD, Dept. of Botany &  
Co-ordinator, Biodiversity Club



**Vote of Thanks: Dr. Rekha V.B.**  
Assistant Professor, Dept. of Geology  
and Environmental Science  
& Co-ordinator, Enviro Club



**Dr. Manju N.J.,**  
Co-ordinator of the National Seminar  
Assistant Professor, Dept. of Geology  
and Environmental Science  
& Co-ordinator, Enviro Club, Bhoomitrasena Club  
and Biodiversity Club



**View of Audience**

**Financial Assistance:**

**Kerala State Council for Science, Technology  
and Environment (KSCSTE), Thiruvananthapuram**





**National Seminar on “*Know your Nature*”**  
**06-06-2017** Inauguration by watering the plant “*Neermaruthu*”



**Dr. Patil Suyog Subhash Rao,**  
IFS, Divisional Forest Officer, Thrissur



**Dr. Mathew Paul Ukken**  
Principal in Charge



**Dr. Deepesh V.,** Scientist,  
Central Pollution Control Board, Bengaluru



**Dr. C.O. Joshi,** Associate Professor, Dept. of Zoology  
Former Syndicate Member, University of Calicut  
Founder Co-ordinator, Bhoomitrasena Club, Christ College



**Dr. Linto Alappat**  
HOD, Dept. of Geology & Environmental Science  
& Dr. Tessy Paul P., HOD, Dept. of Botany



**Mr. Nikhilmath P.V.,**  
V Semester, B.Sc. Zoology  
Student Representative, Biodiversity Club





## National Seminar on “*Know your Nature*” 06-06-2017



**Talk on ‘How well we are connected to nature?’**

**Dr. Deepesh V.**

**Scientist, Central Pollution Control Board, Bengaluru**



**Interactions of participants  
with Resource person**







## National Seminar on “*Know your Nature*” 06-06-2017

Talk on ‘*Blue Gold – Our future*’

**Dr. Dipu S.**

Scientist, Water quality division,  
Centre for Water Resources  
Development and Management  
(CWRDM), Kozhikode



Conservation of Native Mango Plants: “*Ente Mavu: Ente Swantham Nattumavu*” **Padhathi** -  
Planting mango plant in the College campus in connection with World Environment Day 2017 by

**Dr. Patil Suyog Subhash Rao, IFS, Divisional Forest Officer, Thrissur**

and **Fr. Fr. Joy P.T., Associate Professor, BPE Dept. Co-ordinator, Biodiversity Club  
& Co-ordinator. *Ente Mavu: Ente Swantham Nattumavu Padhathi***







**Presenting memento to Dr. Deepesh V., Scientist, CPCB, Bengaluru**



**Presenting memento to Dr. Dipu S., Scientist, CWRDM, Kozhikode.**



BOOMITHRASENA CLUB

12



Malayala Manorama Daily, June 10<sup>th</sup> 2017





**CHRIST COLLEGE (AUTONOMOUS) IRINJALAKUDA 'Clean Campus' - National Training Programme on sensitizing stakeholders for Responsible Institutional Waste Management (6<sup>th</sup> January - 9<sup>th</sup> January)**



A Three-day national training programme on “Sensitizing Stakeholders for Responsible Institutional Waste Management” was held between 6th January -9 th January 2020 at Christ college (autonomous) Irinjalakuda. The programme was organised by Bhoomithrasena clubs in the college in association with Department of Environmental Science and with the financial aid from Kerala State Council for Science and Technology and Environment (KSCSTE), in technical collaboration with Central Pollution Control Board (CPCB). The programme commenced with the inaugural session where Dr Manju NJ, Assistant Professor, Dept. of Geology & Environmental Science, Programme Co-ordinator & Coordinator, Bhoomithrasena Club delivered the welcome note. The function was presided over by Dr. Mathew Paul Ukken, Principal, Christ College (Autonomous), Irinjalakuda. The formal inauguration was done by chief guest of honour, Dr. M. Madhusudanan, Regional Director Chennai, Scientist Central Pollution Control Board by lighting the traditional lamp. In the brief inaugural address of Dr Madhusudanan, he highlighted how increase in population and changes in lifestyle contributes to the waste generation and stressed the need of proper scientific waste management in institutions. He briefly added the statistics of waste generation in our country and was quite eye opening one. He congratulated the whole team for conducting the programme on such an



emergent topic. Er. Suseela Nair V. A. Environmental Engineer, Kerala State Pollution Control Board, Rev. Fr. Joy P.T. CMI Vice Principal & Assistant Professor, Dept. of BPE gave felicitation and the inaugural programme ended with the vote of thanks by Dr. Rekha V. B. Assistant Professor, Dept. of Geology & Environmental Science & Co-ordinator, Enviro club.

The inaugural sessions were followed by technical sessions chaired by Dr. Deepesh V, Scientist B, Central Pollution Control Board, Smt. Poornima B.M, Scientist C, CPCB, Bangalore. Smt Poornima delivered her talk on Solid Waste Management Rules, 2016. The speaker focused on solid waste management status of Kerala and strategies we are following in waste management etc. The afternoon session was started with the talk by Dr. Deepesh V on Hazardous Waste Management Rules,2016. In his exemplary and vibrant way of presentation he gave a detailed account on hazardous waste and waste management practices. These speeches were followed by question, discussion and viewpoints of the participants and speakers. The second day of the programme opened with the lecture by Smt Poornima, onE-waste management rules 2016, Extended Producer Responsibility (EPR) and status of e waste management. She highlighted the Take Back policy, taking back their products from end users at the end of the products' useful life, and she also added how EPR in E-Waste Management Will Prove Beneficial for the Environment. Following the lecture Dr Deepesh went on to give an elaborate presentation on Biomedical Waste Management Rules, 2016 and Laboratory Waste Management. He delivered lecture on revised categories of biomedical wastes and its management strategies. He mentioned that there is a great need for rapid development





of many more CBMWTF to fulfil the need of treatment and disposal of all BMW generated in India. Following Dr Rekha V.B delivered talk on In house organic waste management and composting. She focused on different types of biogas plants that we can install for domestic waste management.

Post lunch sessions were handled by Mr Nithin K, Earth Sense Recycle pvt ltd Palakkad, and Dr Manju N.J. Mr Nithin talked about E waste recycling and collection strategies which received wide acceptance by the audience and positive response. Through a video lecture he showed how e wastes are being treated and recycled scientifically. Final session was dealt by Dr Manju on EMS in higher institutions and institutional waste management. Her focus was on sustainable campuses and what all can we done to make our campus sustainable in all levels. The programme concluded with the brainstorming session by Dr Bijoy C. Assistant Professor, Dept. Zoology & Co-ordinator, Biodiversity Club, where presenters and participants shared their ideas and remarks on sustainable campus and existing cleaning practices in the campuses, action plans to be implemented, etc. were discussed. The programme came to an end with the final day visit to IMAGE (Indian Medical Association Go Eco-friendly), India's highest efficient CBWTDF at Palakkad. A team of 32 members visited the plant was really worth full. Nearly 50 tonnes of hospital wastes are treated per day and the day to day operations of IMAGE is managed by a team of highly dedicated professionals. Reflections and feedback were received from each and every participant and distributed certificate. The participants had a great time of learning and were satisfied with the stimulating inputs from the expert educationists who had come from CPCB and other colleges. The programme was a grand success.



Three Day “Clean Campus”-National Training Programme in technical support with CPCB, Bengaluru funded by KSCSTE (6/1/2020, 7/1/2020 and 9/1/2020) organised by Bhoomithrasena club, Enviro club and Biodiversity Club. A visit to Common Biomedical Waste Treatment facility (IMAGE) at Palakkad also conducted.







### ABOUT THE COLLEGE

Christ College was started in the year 1956 by the Devamatha province of the Carmelites of Mary Immaculate (CMI). Christ College has been affiliated to University of Calicut and re-accredited by NAAC with 'A' grade and achieved autonomous status in 2015. The College is in the forefront of all activities to protect the environment and conserve an eco-friendly campus. The College has been honoured by awarding the Kerala State Energy Conservation Award in 2011, Haritha Campus Award instituted by Kerala Biodiversity Board for the year 2011-12, "Green Campus Award" for the year 2014 instituted by University of Calicut, Best Biodiversity Club Award by the Kerala State Biodiversity Board for the year 2014 and the Malayala Manorama Palathully Puraskaram for the year 2016 for the keen interest in campus greening and conservation of energy.

### ABOUT THE PROGRAMME

The main objective of the training programme is to sensitize and create awareness among college faculties, coordinators of student activity clubs, researchers and administrators of Christ College and the neighbouring colleges on various waste management rules and responsible waste handling in educational institutions.

### Programme

Registration : 09.45 - 10.15

Inaugural session : 10.15 - 11.15

### 06/01/2020

**Technical session 1** : 11.30 – 12.45

The plastic waste management rules 2016 & status of plastic waste management. :

**Dr. M. Madhusudanan,**

Regional Director-Chennai/ Scientist E, Central Pollution Control Board,

Regional Directorate, Bengaluru.

**Technical session 2** : 13.45 – 14.45

The solid waste management rules 2016 & solid waste management – the status of Kerala : **Smt. Poornima B.M.**

Scientist C, Central Pollution Control Board, Regional Directorate, Bengaluru.

**Technical session 3** : 15.00 – 16.00

Hazardous waste (management and transboundary movement) rules 2016

**Dr. Deepesh V.** Scientist B, Central Pollution Control Board, Regional Directorate, Bengaluru.

### 07/01/2020

**Technical session 4** : 10.00 - 11.00

E waste management rules 2016, extended producer responsibility (EPR) and status of e-waste management : **Smt. Poornima B.M.**

Scientist C., Central Pollution Control Board, Regional Directorate, Bengaluru.

**Technical session 5** : 11.00 – 12.00

Biomedical waste management rules 2016 & management of laboratory waste : **Dr. Deepesh V.**

Scientist B, Central Pollution Control Board, Regional Directorate, Bengaluru.

**Technical session 6** : 12.00 – 13.00

In-house organic waste management & Composting: **Dr. Rekha V. B.**

Assistant Professor, Christ College (Autonomous), Irinjalakuda.

**Technical session 7** : 14.00 – 14.45

E-waste recycling & E-waste collection strategies: **Mr. Nithin K.**

M/s. Earth Sense Recycle Pvt. Ltd., Palakkad.

**Technical session 8** : 14.45 – 15.45

Environmental Management System in higher education institutions &

Institutional waste management – Case studies : **Dr Manju N. J.**

Assistant Professor, Christ College (Autonomous), Irinjalakuda.

**Technical session 9** : 15.45 – 16.30

Brain storming session and steps towards the preparation of an action plan:

Moderator: **Dr. Bijoy C. and Smt. Poornima B. M.**

### 09/01/2020

09.30 – 15.30

Visit to the Common Biomedical Waste Treatment facility at Palakkad, concluding session and certificate distribution.