

# **C. P. R. ENVIRONMENTAL EDUCATION CENTRE**

a Centre of Excellence in Environmental Education



## **ANNUAL REPORT**

**APRIL 1, 2018 TO MARCH 31, 2019**

1 Eldams Road, Alwarpet, Chennai 600 018  
Tel.: 044-24346526 / 24337023 Fax : 044-24320756  
E-mail: [cpreec@gmail.com](mailto:cpreec@gmail.com)  
Website: [www.cpreec.org](http://www.cpreec.org) / [www.cpreecenviis.nic.in](http://www.cpreecenviis.nic.in)

Established jointly by the Ministry of Environment, Forest & Climate Change,  
Government of India and the C.P. Ramasami Aiyar Foundation



## CONTENTS

1. SUMMARY OF ACTIVITIES FOR THE YEAR 2018-2019.....	5
2. ANTI-PLASTIC CAMPAIGN.....	8
3. INTERNATIONAL DAY FOR BIOLOGICAL DIVERSITY - MAY 22 .....	9
4. WORLD ENVIRONMENT DAY - JUNE 5 .....	11
5. SACRED GROVE CONSERVATION .....	14
6. SUSTAINABILITY EDUCATION PROGRAMMES .....	15
7. ENVIS RESOURCES PARTNER (RP) .....	20
8. GO-VEGETARIAN PROGRAMME FOR SCHOOL STUDENTS.....	26
9. VIKASPEDIA TAMIL PORTAL.....	28
10. PUBLICATIONS .....	30
11. ECOLOGICAL STUDIES OF SACRED GROVES IN FIVE AGRO-CLIMATIC ZONES OF TAMIL NADU .....	31
12. SEMINAR ON RELIGION AND ECOLOGY .....	34
13. CAPACITY BUILDING WORKSHOPS ON ISLAND BIODIVERSITY CONSERVATION FOR COLLEGE STUDENTS OF ANDAMAN & NICOBAR ISLANDS .....	35
14. LIBRARY .....	37
15. LECTURES DELIVERED .....	38

16. SERVICE APPRECIATION .....	40
17. MEDIA .....	41



## SUMMARY OF ACTIVITIES

### FOR THE YEAR 2018 – 2019

---

C.P.R. Environmental Education Centre (CPREEC) was jointly set up by the Ministry of Environment and Forests, Government of India and the C.P. Ramaswami Aiyar Foundation in the year 1989 to increase consciousness and knowledge about the environment and the major environmental problems facing India today and to spread the message of conservation of the environment through both the formal and non-formal sectors. CPREEC is a Centre of Excellence in Environmental Education.

#### ANTI PLASTIC CAMPAIGN

Plastic pollution is a major problem today. This is the most important issue in Ooty where the tourist influx adds to the plastic pollution. To counter this, CPREEC organized awareness programmes on the ill effects of plastic pollution.

#### INTERNATIONAL DAY FOR BIOLOGICAL DIVERSITY

The theme for 2018 was **Celebrating 25 Years of Action for Biodiversity.**

CPREEC's state and field offices organized awareness programmes for Teachers in Karnataka and students in Andaman & Nicobar Islands

#### WORLD ENVIRONMENT DAY

The theme for the year's World Environment Day was on "**Plastic Pollution**" which is one of the most challenging environmental concerns. CPREEC organized various activities in the states of Tamil Nadu and Andhra Pradesh to spread the message of preventing plastic pollution. CPREEC organized a rally to/on "Beat Plastic Pollution" in Ramanathapuram district.

#### SACRED GROVE CONSERVATION

CPREEC has been restoring sacred groves since 1994. The sacred grove sites at Nenmeli and Kunnam in Kancheepuram district, Sithannavalal in Pudukkottai district and Rameshwaram in Ramanathapuram district in Tamil Nadu are well maintained. CPREEC has formed a *rasi vanam*, *nakshatra vanam* and a medicinal plant garden at Rameshwaram.

## **SUSTAINABILITY EDUCATION PROGRAMMES**

CPREEC, in collaboration with WIPRO FOUNDATION has taken up a “Sustainability Education Programme” in South India. The programme involved innovative project submissions on the sustainability of water and biodiversity by groups of students guided by a teacher. The creative programmes promoted environmental thinking among school children (standard 7 to 12) and were connected to the existing curriculum of the states.

### **ENVIS RESOURCE PARTNER (RP) FOR “CONSERVATION OF ECOLOGICAL HERITAGE AND SACRED SITES OF INDIA”**

CPREEC’s ENVIS Resource Partner (RP) on “Conservation of Ecological Heritage and Sacred Sites of India” of the Ministry of Environment, Forests & Climate Change is involved in collecting, collating and disseminating information.

The thrust area of CPREEC ENVIS Centre lies in the specific areas of Sacred Plants, Sacred Gardens, Sacred Groves, Sacred Animals, Sacred Mountains, Sacred Rivers, Sacred Water bodies, Sacred Precincts, Sacred Seeds, Sacred Caves, Green Pilgrimage, Traditional Ecological Knowledge and UNESCO World Heritage Sites in India.

- **Green Skill Development Programme (GSDP) Certificate Courses**

ENVIS Resource Partner (RP) for “Conservation of Ecological Heritage and Sacred Sites of India” at CPREEC, Chennai, organized several certificate courses under the “Green Skill Development Programme” (GSDP) of the Ministry of Environment, Forest & Climate Change, Government of India. This year, CPREEC – RP conducted four certificate courses – two at Chennai and two in the Nilgiris.

- **Seminar on Ecological Traditions of Meghalaya**

CPREEC ENVIS – RP in collaboration with the Lady Keane College, Shillong organized s Seminar on **Ecological Traditions of Meghalaya** at the college auditorium on March 27, 2019.

### **GO-VEGETARIAN PROGRAMMES FOR SCHOOL CHILDREN**

To popularize the benefits of vegetarianism among school students, CPREEC implemented a programme titled “Go-Vegetarian programme” among school students of Std VI, VII and VIII of various schools in the Nilgiris, Chennai, Chikkaballapur, Tumakuru, Guntur and Khordha, in collaboration with Humane Society International (HSI) – India.

### **VIKASPEDIA TAMIL PORTAL**

As a state nodal agency, CPREEC maintains the Vikaspedia web portal in Tamil, to collect, collate, review, moderate and enrich the portal with

useful information related to state specific welfare programmes of the Government of Tamil Nadu. It also popularizes the web portal through various outreach activities by organizing capacity building workshops among various stakeholders, using the social media, etc.

#### **ECOLOGICAL STUDIES OF SACRED GROVES IN FIVE AGRO-CLIMATIC ZONES OF TAMIL NADU**

CPREEC completed the research project titled “Ecological Studies of Sacred Groves in five agro-climatic zones of Tamil Nadu” for the State Forest Research Institute, Tamil Nadu Forest Department.

#### **SEMINAR ON RELIGION AND ECOLOGY**

CPREEC in collaboration with the C.P.R. Institute of Indological Research (CPRIIR) organized a seminar on Religion and Ecology.

#### **CAPACITY BUILDING WORKSHOPS ON ISLAND BIODIVERSITY CONSERVATION FOR COLLEGE STUDENTS OF A & N ISLANDS**

In collaboration with the National Biodiversity Authority (NBA), Government of India, CPREEC organized six capacity building workshops on “Island Biodiversity Conservation” for college students of Andaman & Nicobar Islands.



## 2 ANTI PLASTIC CAMPAIGN

---

CPREEC's Field Office at Ooty organized an awareness programme at Government Botanical Garden, Ooty on June 5<sup>th</sup> 2018 as part of the Anti Plastic Campaign. The Chief Guest Shri. Sivasubramaniam Chamraj, Joint Director – Horticulture, released the posters and hand out that carried messages of the ill effects of single use plastics. During his address, he pointed out that the throw away plastics are harmful to both humans and to nature, and appealed to the students and the participants to avoid plastics and follow proper disposal. He also urged the students to become eco warriors to protect the Nilgiris and ensure that it remains a plastic free zone.

Shri. M. Radhakrishnan, Assistant Director – Horticulture (i/c), Shri. Janarthanan, Ooty Public Awareness Association and Shri. V. Sivadas, Co-ordinator for National Green Corps, Coonoor Educational District, spoke on the occasion. Around 55 students and teachers from Brecks Memorial Hr. Sec. School, Ooty, Staff members of the Government Botanical Garden, Tourists and the general public took part in the event. Shri. K. Ramdhas, Co-ordinator for Tamilnadu Biodiversity Conservation and Greening Project (TBGP) proposed the vote of thanks. Following this, eco-tags were distributed to the tourists.



**Chief Guest and staff of CPREEC interacting with students during the anti plastic campaign at Botanical Garden, Ooty**



### 3

## INTERNATIONAL DAY FOR BIOLOGICAL DIVERSITY – MAY 22

---

The theme for 2018 was **Celebrating 25 Years of Action for Biodiversity**. CPREEC's state and field offices had organized several programmes to mark the day.

### **Karnataka State Office**

CPREEC's Karnataka State Office, Tumakuru in collaboration with the Internal Quality Assurance Cell (IQAC) of Sri Siddaganga College of Education, Tumakuru and Tumakuru Academy for Creative Learning and Excellence (TACLE) organized a one day workshop for teacher trainees at the Sri Siddaganga College of Education, Tumakuru. A total of 34 teacher trainees participated in the workshop.

Teacher trainees were divided into four groups and each group was given different tasks on the study of Biodiversity

- 1) Group 1 studied the Biodiversity of our surroundings
- 2) Group 2 studied the Biodiversity of a field area of 10 x 10 feet
- 3) Group 3 explored the trees inside the campus
- 4) Group 4 explored the trees outside the campus

All the four groups presented their findings and participated in a group discussion with the resource persons.



**The Web of Life – teacher trainees understanding the web of life through eco games on biodiversity at Tumakuru, Karnataka**

**Andaman & Nicobar Islands**

CPREEC's Field Office at Port Blair organized a programme for school students in collaboration with the Forest Training Institute, Department of Forests, Andaman & Nicobar Administration, Wimberlygunj. A total of 70 students from nearby schools, along with teachers, attended the programme. Shri. K. Murali Sankar, IFS, Divisional Forest Officer, South Andaman inaugurated the programme and appealed the students to guard the

rich biodiversity of these Islands. He also stressed the importance of biodiversity conservation with regard to sustenance of human beings.

Shri. Sukumar Das, Instructor, Forest Training Institute, Wimberlygunj delivered a lecture on "Biodiversity and its Conservation". A quiz competition was organized on biological diversity for the students. Students and the chief guest planted several saplings to mark the occasion at the Forest Training Institute.



**Students planting a sapling to mark the day at the Forest Training Institute, Wimberlygunj, Andaman & Nicobar Islands**



## 4

**WORLD ENVIRONMENT DAY – JUNE 5**

The theme for the year's World Environment Day was on "**Plastic Pollution**" which is one of the most challenging environmental concerns. CPREEC organized various activities in the states of Tamil Nadu and Andhra Pradesh to spread the message on preventing plastic pollution.

**CHENNAI****Campaign on Wheels for spreading the message on Beat Plastic Pollution**

Dr. Nanditha Krishna, Honorary Director, C.P.R. Environmental Education Centre, flagged off the "Campaign on Wheels", with the objective to create awareness on "Beat Plastic Pollution". The "Campaign

on Wheels" went around major area, such as Central Mofussil Bus Terminus, Egmore Railway Station, Central Railway Station, Traffic Interceptions points, Marina Beach and Government Schools. The staff members interacted with various stakeholders and distributed posters and pamphlets on "Plastic Pollution".

**Campaign at a school****Campaign at Railway Station****Programme for school students**

An interactive session was conducted with students of Lady Andal Venkata subba Rao Matriculation Higher Secondary School, Chennai. Various competitions on the theme of "Environment and Plastic Pollution" were also conducted as follows:.

- ❖ Puzzle and Cross Word

- ❖ Drawing Competition on Environment and Plastic Pollution
- ❖ Oratory Competition on Ways to beat Plastic Pollution

300 students participated in this programme. The resource person also oriented the students about the importance of “World Environment Day” and how students can learn about the environment, participate in conservation activities, and learn about ways to help in the future.



**Painting competition**



**Oratory competition**

## **Rameshwaram**

CPREEC organized a rally in Ramanathapuram district on “Beat Plastic Pollution”, participated by the students of Sri Parvathavarthini Amman Girls Higher Secondary. The rally was flagged off by the Deputy Superintendent of Police.

After the rally the District Collector, Dr. S. Natarajan, IAS, addressed the students from six different schools on the ill-effects of plastic at Vivekananda Kendra auditorium and distributed cloth bags and saplings to the students.



**Rally at Rameshwaram**



**District Collector distributing cloth bags and saplings**

The staff members of CPREEC also distributed pamphlets and posters to the shopkeepers and the general public.

## **Vijayawada, Andhra Pradesh**

### **Rally at Vijayawada and Krishna River front cleaning at Krishnalanka**

CPREEC's Andhra Pradesh State Office organized a rally on "Beat Plastic Pollution" at Vijayawada. Members from the Andhra Pradesh Forest Department, Vijayawada Municipal Corporation and local NGOs participated in the rally.

The Chief Guest, Shri. J. Nivas, Vijayawada Municipal Commissioner, released a set of posters on "Plastic waste Management" developed by CPREEC. He later flagged off the rally, involving more than 300 local people.

All the participants participated in the Krishna River front Cleaning at Krishnalanka to increase awareness among people and also to bring people to the forefront of environmental conservation. A door to door campaign on how to stop single use plastic was also carried out. The programme concluded with a pledge by the participants that they would not use single use plastics hereafter.



**Krishna River front Cleaning at Krishnalanka**





## 5 SACRED GROVE CONSERVATION

---

CPREEC has been restoring sacred groves since 1994. The sacred grove sites at Nenmeli and Kunnam in Kancheepuram district, Sithannavasal in Pudukkottai district and Rameshwaram in Ramanathapuram district in Tamil Nadu are being well maintained.

CPREEC has created a *rasi vanam*, *nakshatra vanam* and medicinal plant garden at Rameshwaram. A caretaker is maintaining the sites. Casualty replacement of plants was carried out at the sites. The programmes were

carried out of funds received from the C.P. Ramaswami Aiyar Foundation.

CPREEC's exhibition on **Green Pilgrimage for a Clean India** (on "Swachh Bharat") put up at Rameshwaram Heritage Building is still being continued for the benefit of the visitors and the general public.

The Hon'ble Governor of Tamil Nadu, Shri. Banwarilal Purohit, also visited the Rameshwaram sacred grove site and the exhibition on "Green Pilgrimage for a Clean India" during his visit to Rameshwaram.



**The Hon'ble Governor at the Mangala Vanam site,  
Thangachi Madam Village, Rameshwaram**

## 6 SUSTAINABILITY EDUCATION PROGRAMMES

---

CPREEC in collaboration with WIPRO FOUNDATION, Bengaluru has taken up a “Sustainability Education Programme” in South India – EARTHIAN 2018. The programme involved innovative project submissions on the sustainability of water and biodiversity by groups of students guided by a teacher. The creative programme promoted environmental thinking among school children (standard 7 to 12) and highly connected to the curriculum of the states.

### Training Teachers

CPREEC’s state and field offices in collaboration with the concerned state education department organized the workshops for teachers from Government schools (deputed by the Education Department). Teachers from private schools also participated in the workshop in certain cities.

S.No.	State	Venue & District	Coordinating Agency	No. of Teachers	No of Schools
1	Telangana	Fernhills High School, Malakpet, Hyderabad.	Department of Education, Government of Telangana	60	60
2	Andhra Pradesh	Zilla Parishad High School Girls, Patamatalanka, Vijayawada	Department of Education, Government of Andhra Pradesh	107	65
3	Tamil Nadu	Chennai Snake Park Trust, Guindy, Chennai	Department of Education, Corporation of Chennai, Government of Tamil Nadu	40	39
4	Tamil Nadu	Town High School, Kumbakonam	Department of Education, Kumbakonam, Thanjavur District, Government of Tamil Nadu	49	49

S.No.	State	Venue & District	Coordinating Agency	No. of Teachers	No of Schools
5	Tamil Nadu	Hotel Park Inn, Geetha Hall Road, Nr.Railway Station, Coimbatore	Department of Education Coimbatore, Government of Tamil Nadu	44	43
6	Tamil Nadu	Government Boys Higher Secondary School, Pattukkottai, Thanjavur District	Department of Education, Pattukkottai Educational District, Government of Tamil Nadu	27	27
7	Karnataka	JRD School, Halaga, Belgavi	Department of Education, Belagavi, Government of Karnataka	59	59
8	Karnataka	New Government High School, Chinthamani, Chickbellapur district	Department of Education, Chikbellapur District, Government of Karnataka	58	56
9	Karnataka	Government Tumakuru Junior College, Pavagada, Tumakuru, Madhugiri Educational Dt., Tumakuru	Department of Education, Pavagada, Tumakuru, Government of Karnataka	56	56
10	Andaman & Nicobar Islands	Siksha Sadan, Department of Education, Port Blair	Department of Education, A & N Administrations, Andamans	45	20
11	Andaman & Nicobar Islands	Seminar Hall, Office of the Deputy Education Officer, Diglipur, North Andaman.	Department of Education, A & N Administrations, Andamans	42	33
12	Andaman & Nicobar Islands	Seminar Hall, Office of the Education, Nicobar Islands	Department of Education, Nicobar Administration.	31	10



S.No.	State	Venue & District	Coordinating Agency	No. of Teachers	No of Schools
13	Goa	Institute Menezes Braganza Hall, Panaji	Goa State Council for Science and Technology, Department of Education	50	50
14	Goa	Ravindra Bhavan, Margao, Goa	Goa State Council for Science and Technology, Department of Education	51	51
15	Odisha	Regional Museum of Natural History, Bhubaneswar, Odisha	Department of Education, Government of Odisha	58	53
16	Odisha	Puri Zila School, Puri, Odisha	Department of Education, Government of Odisha	37	34
17	Puducherry	Seminar Hall, State Training Centre, Kamarajar Educational complex, Puducherry	State Training Centre, Department of Education, Puducherry	32	32
18	Puducherry	Seminar Hall, State Training Centre, Kamarajar Educational complex, Puducherry	State Training Centre, Department of Education, Puducherry	32	32
19	Tamil Nadu	Seminar Hall Hotel Maruthi, Theni	Department of Education, Theni Government of Tamil Nadu	40	39
20	Kerala	Hotel Trivandrum Trivandrum	WWF India, Kerala State Officer, Trivandrum	50	50
		<b>Total</b>		<b>968</b>	<b>858</b>

**Workshop at Snake Park, Chennai****Workshop at Diglipur,  
A & N Islands****Project submission**

The staff members of CPREEC, further to the workshops for teachers, coordinated with the Guide Teacher from schools to motivate their students to submit projects on “Biodiversity” or “Water”. Several projects were submitted by

schools in all the states and Union Territories.

The submitted projects were evaluated and the best projects were shortlisted and sent to the WIPRO Foundation for selection of awards at the national level.

<b>S. No.</b>	<b>State / Union Territory</b>	<b>Number of projects received</b>	<b>Number of projects shortlisted and sent to WIPRO</b>
1.	Andaman and Nicobar Islands	60	12
2.	Tamil Nadu	81	14
3.	Kerala	7	7
4.	Karnataka	80	10
5.	Goa	15	09
6.	Telangana & Andhra Pradesh	60	09
7.	Puducherry	70	05
8.	Odisha	17	06
	<b>Total</b>	<b>390</b>	<b>72</b>

**Regional recognition events**

So far regional recognition events have been completed in the state of

Karnataka and the Union Territory of Andaman & Nicobar Islands as detailed below:

S. No.	Date	State / Union Territory	Venue	No. of students
1.	18.1.2019	Andaman & Nicobar Islands	Shiksha Bhavan, Shiksha Bhavan, Port Blair	75
2.	29.1.2019	Karnataka	Government High School, Mastamardi, Belagavi	68
	<b>Total</b>			<b>143</b>

**National Award**

The following CPREEC network schools have been selected at the National Level for receiving the WIPRO Earthian Awards 2018.

❖ **Le Cole Chempaka ICSE School, Thiruvananthapuram**

❖ **Holy Angels, ICSE School, Thiruvananthapuram**

❖ **Government Higher Secondary School, Sambra, Belgaum**

❖ **Mahalakshmi High School, Kudne, Goa**

❖ **Our Lady of Remedies High School, Nerul, Bardez, Goa**

❖ **Government Senior Secondary School, Kadamtala, Middle Andaman**



## 7 ENVIS RESOURCE PARTNER (RP)

CPREEC's ENVIS Resource Partner (RP) on "Conservation of Ecological Heritage and Sacred Sites of India" of the Ministry of Environment, Forests & Climate Change is involved in collating and disseminating information.

The thrust area of CPREEC ENVIS RP lies in the following specific components comprising of Sacred Plants, Sacred Gardens, Sacred Groves, Sacred Animals, Sacred Mountains, Sacred Rivers, Sacred Water bodies, Sacred Precincts, Sacred Seeds, Sacred Caves, Green Pilgrimage, Traditional Ecological Knowledge and UNESCO World Heritage Sites in India.

### ENVIS Newsletters

*Ecoheritage.com* – ENVIS Newsletters – four issues (online and hard copies) were brought out

- ❖ April – June 2018  
Volume XVII, No. 1
- ❖ July – September 2018  
Volume XVII, No. 2
- ❖ October – December 2018  
Volume XVII, No. 3
- ❖ April – March 2019  
Volume XVII, No. 4

Topic	Updation status
Abstracts	66
News	143
New description on subject areas	592
Number of images uploaded on subject areas	91
Newsletters	4
Book	<i>Ecological Traditions of Meghalaya</i>
Pamphlets	<i>Harmful Effects of Plastics in English &amp; Tamil Minimize Plastics in English &amp; Tamil</i>
Glossary	41
Events	16

## Green Skill Development Programmes (GSDP)

ENVIS Resource Partner (RP) for “Conservation of Ecological Heritage and Sacred Sites of India” at CPREEC, Chennai organized several certificate courses under the “Green Skill Development Programme” (GSDP) of the Ministry of Environment, Forest & Climate Change (MoEF&CC), Government of India. This year, CPREEC – RP conducted four certificate courses – two at Chennai and two at the Nilgiris.

### Certificate Course on Waste Management at Chennai

The Certificate Course on **Waste Management** (Solid Waste, Biomedical Waste, Plastic Waste, E-waste, Construction and Demolition Waste) was organized from **August 16 to October 13, 2018**. Dr. Nanditha Krishna, Honorary Director, CPREEC, inaugurated the workshop and addressed the participants. The course was aimed at



### Presentation made by a participant

making the participants understand the scientific concepts of the management of waste to protect human health and the environment and also enable them to obtain gainful employment in this sector. A total of 18 participants took part in the course. Several subject experts handled sessions on various waste management aspects.

Mobile Apps, games, establishment of biogas plants with vegetable waste, agro- based waste materials for resource recovery, etc. were some of the new and interesting solutions submitted by the candidates.



**Mr. M.B. Nirmal of Exnora  
handling a session**

The valedictory function was held on **January 30, 2019** and certificates were distributed to the course participants. Shri. D. Eswaran, Assistant Conservator of Forests, Department of Environment, Government of Tamil Nadu was the chief guest.

### Certificate Course on Traditional Painting for Kurumba Tribe

CPREEC's Field Office at Ooty organized the GSDP certificate course on

“Traditional Painting for the Kurumba Tribe” of Nilgiris from **September 26, 2018 to February 28, 2019**. Shri. Amit Kushawah, IAS, Project Director, Nilgiris Special Area Development Programme (SADP) inaugurated the programme at Mettukkal village and addressed the participants on **September 26, 2018**. A total of 50 Kurumbas comprising of 23 females and 27 males participated.

The valedictory of the GSDP was held at Banagudi Kurumba Tribal hamlet on March 2, 2019. Dr. Anandi Subramanian, Principal Advisor, MoEF&CC and Shri. Kumar Rajnish, National Programme Coordinator, ENVIS Cell, New Delhi, participated and distributed the certificates to the beneficiaries. The paintings made by the participants were displayed at the venue.



**Shri. Amit Kushawah, IAS, Project Director, Nilgiris Special Area Development Programme (SADP) addressing the participants**

### **Certificate Course on Traditional Pottery and Terracotta crafts for Kota Tribal Women**

CPREEC's Field Office at Ooty organized a certificate course on “Traditional pottery and Terracotta Crafts for Kota Tribal Women” of the Nilgiris from **September 28, 2018 to February 28, 2019**. Shri. B. Subramani, Forest Range Officer, Kotagiri Range inaugurated the workshop and addressed the

participants on **September 28, 2018** at Trichikaddy village. A total Of 50 Kota women attended the course. They were provided with raw clay, pottery wheels (18 nos. 6 each for 3 Keri (settlement of 3 clans), brushes, poster and fabric colours and other tools.

The valedictory function of the GSDP was held at Banagudi Kurumba Tribal hamlet on March 1, 2019. Dr. Anandi Subramanian, Principal Advisor,





**Kota women demonstrating their pottery skills to  
Dr. Anandi Subramanian, Principal Advisor, MoEF&CC**

MoEF&CC and Shri. Kumar Rajnish, National Programme Coordinator, ENVIS Cell, New Delhi, participated and distributed the certificates to the beneficiaries. The pottery artefacts made by the participants were also exhibited.

### **Certificate Course on Management of Small Botanical Gardens**

CPREEC – RP organized the GSDP Certificate Course on Management of Small Botanical Gardens at CPREEC, Chennai from **January 30 to March 6, 2019**. Dr. Nanditha Krishna, Honorary Director, CPREEC – RP inaugurated the Certificate Course on **January 30, 2019** and Shri. D. Eswaran, Assistant



### **Grafting techniques**

Conservator of Forests, Department of Environment, Government of Tamil Nadu was the chief guest. He stressed the importance of terrace gardening and kitchen gardens.

Lectures were organized by experts. The participants were taken on field



**Land preparation for sowing of seeds**

visits to Horticulture Institute and Botanical Gardens. They were also given on-field training on land preparation for sowing of seeds, pot mixture, etc. The valedictory function was held on March 6, 2019. Dr. Nanditha Krishna, Honorary Director, CPREEC – RP delivered the valedictory address and distributed the course certificates to the participants. She mentioned that the course would be useful for young people by providing self employment.

### **Seminar on Ecological Traditions of Meghalaya**

CPREEC – RP in collaboration with the Lady Keane College, Shillong organized a Seminar on **Ecological Traditions of Meghalaya** at the college auditorium on **March 27, 2019**.

The following topics were handled at the seminar:

#### **❖ An Overview of the Sacred Groves of Meghalaya**

Dr. Aabid Hussain, Department of Environmental Studies, North – Eastern Hill University (NEHU), Shillong; Dr. K.L. Chaudhary, Botany Department, Lady Keane college, Shillong and Dr. Krishna Upadhaya, Department of Basic sciences & Social Sciences, North – Eastern Hill University (NEHU), Shillong

#### **❖ Ecology in Tradition; Exploring the cultural context of the Sacred Groves in Khasi – Jaintia hills of Meghalaya**

Dr. Marco Mitri, Associate Professor, Department of History, Union Christian College, Meghalaya and Dr. Naphibahun Lyngdoh, Research Scholar in Archaeology

#### **❖ KaJingkieng KsiarSohpetbneng: As a doorway to the Earth and to U Blei's (God's) House**

Dr. Morning Lyngdoh, Associate Professor, St. Anthony's College Shillong

#### **❖ Transition of Ecological Tradition: Status of Marngar Lake**

Dr. Ksanbok Makdoh, Assistant Professor, Department of Botany,







Lady Keane College, Shillong and Dr. M. B. Lynser, Lecturer, Department of Environmental Science, Shillong College, Shilong

❖ **Sacred Scapes of the Khasi Hills – The large rock formations**

Dr. K.L. Chaudhary, Botany Department, Lady Keane college, Shillong.

**Workshops attended**

- ❖ Dr. P. Sudhakar, ENVIS Coordinator and Mr. R. Sathya Narayanan, Information Officer attended the **ENVIS Regional Evaluation and Training Workshop for Deccan**

**Peninsula Zone**, organized by ENVIS (RP & HUB) Environment Protection Training and Research Institute (EPTRI), Gachibowli, Hyderabad on **December 13 and 14, 2018.**

- ❖ Dr. P. Sudhakar, ENVIS Coordinator attended the **Stakeholders Meeting for National Environment Survey – a Grid Based Resource Information and Decision Support Systems (GRIDSS) for sustainable management of natural resources**, organized by the ENVIS Secretariat, MoEF&CC at New Delhi on **January 8, 2019.**

The programme is funded by MoEF&CC, Government of India.



## 8

# GO-VEGETARIAN PROGRAMME FOR SCHOOL STUDENTS

---

To inform students about the importance of sustainable food choices, CPREEC has implemented "Go-Vegetarian programme" for school students of Std VI, VII and VIII of various schools in the Nilgiris, Chennai, Chikkaballapur, Tumakuru, Guntur and Khordha, in collaboration with Humane Society International (HSI) – India.

To mitigate the impact of climate change, it is important to change one's food habits and to follow eco friendly practices. Go-Vegetarian programme aims to create awareness among children on the harmful effects of climate change.

A vegetarian diet could save

- 1100 gallons of water
- 45 lbs of grain
- 30 sq. ft. of forest

- 10 lbs of carbon-di-oxide emissions and
- 1 animal

Methane emission and climate change

- ❖ Livestock farming contributes 18% of human and farm animals produced green house gases emissions worldwide. This is more than all emissions from ships, planes, trucks, cars and all other transport put together.
- ❖ The primary livestock greenhouse gas emissions are Carbon-di-oxide (CO<sub>2</sub>), Methane (CH<sub>4</sub>), Nitrous Oxide (N<sub>2</sub>O). Methane and Carbon-di-oxide are the main contributors for climate change.
- ❖ Methane emission (million tonnes per year) from enteric fermentation in India.

Dairy	Other Cattle	Buffaloes Cattle	Sheep	Pigs and Goats	Total
1.70	3.92	5.25	0.91	0.01	11.82

The following resource materials were developed, printed in English and regional languages for the project and distributed to the students.

- i) Pledge Card
- ii) Pamphlet (Multi colour)
- iii) Art sheets for creative art on compassion to animal
- iv) Crayons – 1 box, pencil, sharpener and eraser

State	Tamil Nadu	Tamil Nadu	Andhra Pradesh	Karnataka	Odisha	Total
City	Chennai	Nilgiris	Guntur	Chikkaballapur & Tumakuru	Khordha	
No. of schools	32	63	30	202	36	<b>363</b>
No. of students	10,014	10,019	10,027	10,000	10,000	<b>50,060</b>
Pledge Cards received	3,800	2,103	-	6,400	6,453	<b>18,756</b>



**Painting competition for students of K.S.M. Zilla Parishad High School, Patamatalanka, Vijayawada, Andhra Pradesh**



**Programme for students of St. Antony's Higher Secondary School, Coonoor, Nilgiris**



## 9 VIKASPEDIA TAMIL PORTAL

---

Vikaspedia is a national level initiative through “India Development Gateway” under the Ministry of Electronics & Information Technology (MeitY), Government of India and it is executed by the Centre for Development of Advanced Computing (C-DAC), Hyderabad.

As a state nodal agency, CPREEC maintains the Vikaspedia web portal in Tamil, to collect, collate, review, moderate and enrich the portal with useful information related to state specific welfare programmes of the Government of Tamil Nadu. It also popularizes the web portal through various outreach activities by organizing capacity building workshops among various stakeholders, using the social media, etc.

- ❖ **8173 pages** were uploaded on the website which was contributed by many active members registered as content contributors.
- ❖ **Six District Level Integration Workshops** on Vikaspedia Tamil portal were organized at Chennai, Thanjavur, Theni, Dindigul, Virudhunagar & Ramanathapuram.
- ❖ Vikaspedia Tamil has been integrated in the district websites of Chennai and Virudhunagar.
- ❖ The State Institute of Rural Development (SIRD) at Kattangulathur, is conducting series of training programmes for the officers at the district level from the Departments of Rural Development & Panchayat Raj, Health & Family Welfare, Tamil Nadu Water Supply & Drainage Board, Public Works, Education, Agricultural Engineering, Environment and Forest, Revenue & Disaster Mitigation to be sensitized on “Sustainable Development Goals”. It was proposed to train the middle-level officers from these departments. Vikaspedia was introduced as a source of knowledge sharing platform on sustainability. **22 programmes** have been conducted by SIRD, in which SNA has covered **1039 FLSPs**.
- ❖ A district level workshop on Vikaspedia Tamil portal was conducted for the teachers and eco-club co-ordinators of Ramanathapuram district. Vikaspedia posters on sanitation were used by the schools in their “Swachh Bharat Abhiyan” programme. Vikaspedia domain posters have been distributed to schools through eco clubs in Ramanathapuram district.
- ❖ Community level event and an awareness programme on Vikaspedia

were conducted at Kotagiri and Thanjavur covering **107 participants**.

- ❖ **A static android application** on Siddha medicine was developed and launched on July 7, 2018 by the Joint Secretary, Shri. P. N. Ranjit Kumar, IAS Ministry of AYUSH, Government of India at the premises of the National Institute of Siddha (NIS), Chennai. It was developed as a part of integration of Vikaspedia products and services with NIS. This app gives authentic information about Siddha Medicine and its benefits along with the facilities available at the National Institute of Siddha, Chennai.

- ❖ Vikaspedia Tamil was introduced as source of knowledge sharing and content on sustainability in a series of workshop conducted for teachers and students at Tamilnadu, Kerala, Karnataka, Goa and Andaman & Nicobar Islands. **9 programmes** were conducted, in which SNA has covered **492 participants**.

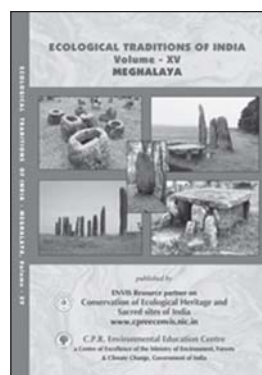
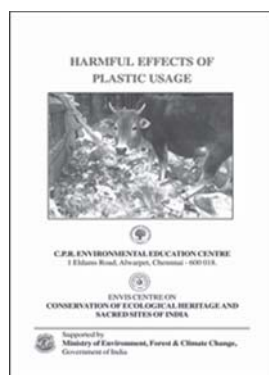
- ❖ **Vikaspedia Poster Campaign** on sanitation was launched by Mr. Deepak Parab, Member Secretary, Goa State Council for Science and Technology (GSCS&T), Goa on November 1, 2018.



## 10 PUBLICATIONS

CPREEC brought out the following publications:

- ❖ CPREEC's **Indian Journal of Environmental Education – Vol. 18**
- ❖ **Biodiversity and Climate Change** was updated and reprinted
- ❖ Posters on **Say No to Plastics and Minimize Plastic Waste** were printed in English and Tamil
- ❖ **Harmful Effects of Plastic Usage** was printed in English and Tamil
- ❖ **Ecological Traditions of Meghalaya** was brought out in English



# 11

## ECOLOGICAL STUDIES OF SACRED GROVES IN FIVE AGRO-CLIMATIC ZONES OF TAMIL NADU

---

CPREEC completed the research project "Tamil Nadu" for the State Forest Research Institute, Tamil Nadu Forest Department. Groves in five agro-climatic zones of

S. No.	Agro Climatic Zone	Name of the site	Deity	Area in hectares	Soil type
1.	North Eastern Zone	<b>Thenkeeranur Sacred Grove</b> , Kallakurichi Taluk, Villupuram District	Sri Sadayappar	1.60	1. Red Sandy Loam 2. Clay Loam
2.	North Western Zone	<b>Keeripatti Sacred Grove</b> , Attur Taluk, Salem District	Sri Varadaraja Perumal	5.70	Calcareous Black
3.	Western Zone	<b>Vayalapadi Sacred Grove</b> , Kunnamm Taluk, Perambalur District	Sri Vaigaikarai Andavar (Aiyanar)	6.37	1. Red Loamy 2. Black
4.	Cauvery Delta Zone	<b>Jambuvanodai Sacred Grove</b> , Thiruthurai -poondi Taluk, Tiruvarur District	Sri Nitha Koothar Swami (Sri Ayya Koil)	2.03	Coastal Alluvium
5.	Southern Zone	<b>Kandanur Sacred Grove</b> , Karaikudi Taluk, Sivaganga District	Sri Vaigai Karuppar	36.24	1. Black 2. Red Sandy soil





**Sri Vaigaikkarai Aiyanar temple and terracotta horses at Vayalapadi sacred grove**



**Termite mound inside the Kandipur sacred grove**

One intact sacred grove in five different agro climatic zones of Tamil Nadu was studied between March and August 2018. The salient features of each sacred grove are summarized below:

#### **Thenkeeranur Sacred Grove**

- ❖ This grove is in Villuppuram district and the area of the grove is 1.6 hectares. The main deity of the site is Sri Sadaiyappar.
- ❖ The minor deities are Veeranan and Kannimars. Plant diversity of the grove is 85 of which 23 are trees, 4 are lianas, 34 are herbs and 24 are shrubs.
- ❖ The stand density of the grove is 220 plants per hectare.
- ❖ The dominant tree species is *Bambusa bambos* followed by *Azadirachta indica*. The largest GBH in trees was observed in *Ficus bengalensis* and among lianas GBH was high in *Jasminum augustifolium*.
- ❖ The basal area was 4.29 m<sup>2</sup> ha<sup>-1</sup> in the study area.

#### **Keeripatti Sacred Grove**

- ❖ This grove is in Salem district and the area of the grove is 5.7 hectares.
- ❖ The main deity of the site is Sri Varadaraja Perumal. The other deities in the grove are Mayavan, Panchali, Kaannimarkal and the minor deities are Chinnaiya, Periyaiya, Kullakaruppan, Nondikaruppan, Sankilikaruppan and Aakaiyathurai.
- ❖ Plant diversity of the grove is 81 of which 19 are trees, 10 are lianas, 30 are shrubs and 22 are herbs.
- ❖ The stand density of the grove is 151 plants per hectare.
- ❖ The dominant tree species is *Albizia amara* followed by *Prosopis juliflora*.
- ❖ The largest GBH in trees was observed in *Azadirachta indica* and among lianas GBH was high in *Ipomea staphylina*.
- ❖ The basal area was 4.233 m<sup>2</sup> ha<sup>-1</sup> in the study area.



### Vayalapadi Sacred Grove

- ❖ This grove is in Perambalur district and the area of the grove is 6.37 hectares.
- ❖ The presiding deity of the grove is Sri Vaigaikarai Andavar (Aiyanar). The minor deities are Karuppar, Pachaiyamman, Bavanar and Sangilikaruppu.
- ❖ Plant diversity of the grove is 125 of which 17 are trees, 39 are lianas, 48 are herbs and 21 are shrubs.
- ❖ The stand density of the grove is 136 plants per hectare.
- ❖ The dominant tree species is *Bambusa bambos* followed by *Crataeva magna*.
- ❖ The largest GBH in trees was observed in *Ficus amplissima* and among lianas GBH was high in *Coccinia grandis*.
- ❖ The basal area was 102.164 m<sup>2</sup> ha<sup>-1</sup> in the study area.

### Jambuvanodai Sacred Grove

- ❖ This grove is in Thiruvarur district and the area of the grove is 2.03 hectares.
- ❖ The presiding deity of the grove is Sri Nitha Koothar Swamy (or Sri Ayya Koil) and the minor deity is Kannimar.
- ❖ Plant diversity of the grove is 78 of which 22 are trees, 23 are lianas, 20 are herbs and 13 are shrubs.

- ❖ The stand density of the grove is 258 individuals per hectare.
- ❖ The dominant liana species is *Cissus quadrangularis* followed by *Cassine glauca* (trees)
- ❖ The largest GBH in trees was observed in *Eucalyptus tereticornis* and among lianas GBH was high in *Coccinia grandis*.
- ❖ The basal area is 3.63 m<sup>2</sup> ha<sup>-1</sup> in the study area.

### Kandanur Sacred Grove

- ❖ This grove is in Sivaganga district and the area of the grove is 36.24 hectares.
- ❖ The presiding deity of the grove is Sri Vaigai Karuppar. The minor deities of the grove are Vaiyandi Murugan, Vaiyakaruppu, Chonai, Karuveppilai Kali, Guru Nathar and Pathinettam Padi Karuppar.
- ❖ Plant diversity of the grove is 122 of which 39 are trees, 22 are lianas, 43 are herbs and 18 are shrubs.
- ❖ The stand density of the grove is 364 individuals per hectare.
- ❖ The dominant tree species is *Cassine glauca* and the dominant liana species is *Combretum albidum*.
- ❖ The largest GBH in trees was observed in *Madhuca longifolia* followed by *Mangifera indica* and among lianas GBH was high in *Capparis zeylanica* followed by *Ziziphus oenoplia*.
- ❖ The basal area was 5.32 m<sup>2</sup> ha<sup>-1</sup> in the study area.



## 12

**SEMINAR ON RELIGION AND ECOLOGY**

---

CPREEC in collaboration with the C.P.R. Institute of Indological Research (CPRIIR) organized a seminar on Religion and Ecology on July 7, 2018.

Speakers and papers presented are as follows:

- |                                     |   |  |
|-------------------------------------|---|--|
| <b>Hinduism and the Ecology</b>     | : | <b>Dr. Nanditha Krishna</b><br>Honorary Director<br>C.P.R. Environmental Education Centre                      |
| <b>Christianity and the Ecology</b> | : | <b>Fr. Rayappa Kasi</b><br>Catholic Priest & Environmentalist<br>Diocese of Vellore                            |
| <b>Buddhism and the Ecology</b>     | : | <b>Mr. O.N. Krishnan</b><br>Secretary<br>Tamilnadu Bouddha Sangam, Chennai                                     |
| <b>Jainism and the Ecology</b>      | : | <b>Dr. Priyadarshana Jain</b><br>Assistant Professor & Head<br>Department of Jainology<br>University of Madras |
| <b>Islam and the Ecology</b>        | : | <b>Dr. Sultan Ismail</b><br>Director<br>Eco Science Research Foundation, Chennai                               |
| <b>Sikhism and the Ecology</b>      | : | <b>Ms. Manveen Kaur Chadha</b><br>Educator   |



## 13

### CAPACITY BUILDING WORKSHOPS ON ISLAND BIODIVERSITY CONSERVATION FOR COLLEGE STUDENTS OF ANDAMAN & NICOBAR ISLANDS

---

CPREEC in collaboration with the National Biodiversity Authority (NBA), Government of India, organized capacity building workshops on “Island Biodiversity Conservation” for college students of Andaman & Nicobar Islands.

The first series of three workshops were conducted during October and November 2018 and the second series of three workshops were conducted during February and March 2019.

The endemic biodiversity of the Andaman & Nicobar Islands is high. It

is needless to say that the depletion of natural resource will lead to disasters like tsunami, earthquakes, cyclones, etc. In order to preserve the intact biodiversity of the Islands, awareness generation among the population plays a vital role.

All the participants of the workshops were provided with a resource kit and a book on *Biodiversity* in English.

The participants of the workshops were taken on exposure visits the following day of the workshop as detailed below:

S. No.	Date	Name of the institution	No. of participants
1.	October 26, 2018	Tagore Government College of Education (TGCE), Port Blair	51
2.	November 1, 2018	Andaman Law College, Port Blair	74
3	November 16, 2018	Dr. S. Radhakrishnan District Institute of Education & Training (DIET), Garacharma	56
		<b>Total</b>	<b>181</b>



**Students observing the medicinal plants at the garden of the Botanical Survey of India, Nayashehar**



**Students observing the panels at the Marine Interpretation Centre, Wandoor**

S. No.	Date	Name of the institution	No. of participants
1.	February 26 & 27, 2019	<b>Science students</b> of Jawaharlal Nehru Rajkeeya Mahavidyalaya (JNRM), Port Blair	50
2.	February 28 & March 01, 2019	<b>Non-science students</b> of Jawaharlal Nehru Rajkeeya Mahavidyalaya (JNRM), Port Blair	50
3	March 06 & 07, 2019	Andaman College Chakkargaon, Port Blair	53
		<b>Total</b>	<b>153</b>



**Dr. S. Dam Roy, Former Director, ICAR-CIARI, Port Blair addressing students of JNRM on Mangroves**



**JNRM students observing the Orchids grown at the garden of Botanical Survey of India, Nayashehar**

## 14 LIBRARY

---

CPREEC's Environmental Library's collection of books has risen to **6850** since its inception in the year 1989. The books are classified under Dewey Decimal Classification. All the books are maintained in the Auto Lib software systems installed in the library to gain quick access.

This year, the library received 28 books as gifts. CPREEC's library's collection of books range from Environmental Science, Ecology, Forestry, Biodiversity, Botany, Zoology, Energy, Environmental Law, Environmental Economics, Sustainable Development, Environmental History, Management, Medicinal Plants, Pollution, Water Resources, Women's Studies, Wildlife, Soil Science, etc.

CPREEC's library has been receiving complimentary newsletters published by ENVIS Centres of the Ministry of Environment, Forest & Climate Change (MoEF&CC), Government of India. Newsletters brought out by research and academic institutions and catalogues of booksellers are also received regularly.

### **Utilization of the library**

CPREEC's environmental library is mainly a referral library. Several research scholars from universities,

college and school students utilize the library for their academic work and submitting their thesis. CPREEC serve as a resource hub for varied subjects like environmental history of India, environmental science, sacred groves, floral and faunal diversity, wetland conservation, water resources, tribal welfare, urban planning, town planning, smart cities, waste segregation and management, biomedical waste management, e-waste management, animal welfare, disaster management, etc. Participants of GSDP Certificate Courses on Waste Management and Management of Small Botanical Gardens utilized the library.

Students from M.O.P. Vaishnav College for Women, Bharathi Women's College, IIT Madras, MGR University and M.N.M. Jain School of Architecture in Chennai referred our library. A group of students from The Madras Christian College referred to the library for their internship.

### **Press clippings**

The media play a pivotal role in highlighting the environmental problems. The newspaper clippings on various environmental issues are scanned and documented for reference.

## 15

# LECTURES DELIVERED

---

- ❑ Dr. Nanditha Krishna, Honorary Director, was in conversation with Mr. Abhijay Negi on “A Living Past: History and Environment” at the Dehradun Community Literature Festival 2018 held on **April 20, 2018**, organized by World Integrity Centre (WIC), Dehradun.
- ❑ Dr. P. Sudhakar, Joint Director delivered a talk on **International Day for Biological Diversity** as part of “Biological Day Celebrations” organized by National Biodiversity Authority (NBA), Government of India, at Hyderabad on **May 22, 2018**.
- ❑ Dr. M. Amirthalingam, Education Officer, delivered a lecture on **Sacred Groves of India** during the GSDP course organized by ENVIS-Coastal Zone Management and Coastal Shelter Belts, Institute for Ocean Management, Anna University on **August 1, 2018**.
- ❑ Dr. P. Sudhakar, Joint Director delivered a lecture on **Urban Park and Temple Tank** during the GSDP course organized by ENVIS-Coastal Zone Management and Coastal Shelter Belts, Institute for Ocean Management, Anna University on **August 7, 2018**.
- ❑ Dr. Nanditha Krishna, Honorary Director participated and delivered a lecture on ‘The Making of Ganesha’ at the Gaj Mahotsav held in New Delhi organized by Wildlife Trust of India on **August 14, 2018**.
- ❑ Dr. P. Sudhakar, Joint Director delivered lectures on **Environmental Concerns of India, Ecological Traditions of India and Role of Parks in Chennai – Ecosystem Services** during the Environmental Awareness programme organized by CPREEC in collaboration with Sevabharathi Tamil Nadu at the Sri Vivekananda Vidyalaya, Chromepet, Chennai on **September 1, 2018**.
- ❑ Dr. T. Sundaramoorthy, Assistant Director delivered a lecture on **Waste Management – An Overview** during the Environmental Awareness programme organized by CPREEC in collaboration with Sevabharathi Tamil Nadu at the Sri Vivekananda Vidyalaya, Chromepet, Chennai on **September 1, 2018**.
- ❑ Dr. Nanditha Krishna, Honorary Director, was a Panel Member on “Balancing Human-Animal Interests: Situating Animal Rights in the Indian Political, Religious and

- Cultural Context” at the India for Animals (IFA) Conference organized by FIAPO held from **October 26 to 28, 2018**, in Hyderabad.
- ❑ Dr. Nanditha Krishna, Honorary Director, was the Chief Guest at the EXNORA Swachh Awards presentation ceremony organized by EXNORA International on **December 21, 2018**, at Dr. Ambedkar Auditorium, ICF, Chennai 600 038.
  - ❑ Dr. Nanditha Krishna, Honorary Director, participated and delivered a talk on the ‘Ecological Traditions of India’ at a Panel Discussion on ‘Marine Revival: Myth or Reality’ organized by MOP Vaishnav College for Women, Nungambakkam, Chennai, on **January 5, 2019**.
  - ❑ Dr. Nanditha Krishna, Honorary Director, presented a paper on “Saving the Environment in the Light of Ancient Indian Thought” at the seminar on ‘Vasudhaiva Kutumbakam’ organized by Vivekananda International Foundation (VIF), New Delhi, on **January 16, 2019**.
  - ❑ Dr. P. Sudhakar, Executive Director delivered a lecture on **Revival of The Park – Environmental Impact** at Chennai on **February 9, 2019** organized by the Save our Shenoy Nagar Thiru. Vi. Ka. Park – Namma Poonga.
  - ❑ Dr. P. Sudhakar, Executive Director delivered a lecture on **Environmental Philosophy** for the students of A.M. Jain College, Meenambakkam, Chennai on **February 18, 2019**.
  - ❑ Dr. P. Sudhakar, Executive Director delivered a lecture on **Ethno Botany** for the students of Botany Department, Women’s Christian College, Chennai on **March 8, 2019**.
  - ❑ Dr. Nanditha Krishna, Honorary Director, participated and presented a paper for discussion on ‘The Ecology of Mother Sita’ at the International Conference on ‘Rediscovering Mother Sita and Her Relevance Today’ organized by the Global Peace Initiative of Women, in Partnership with Jnana-Pravaha, held from **March 7 to 9, 2019**, in Varanasi.





## 16

# SERVICE APPRECIATION

---

**Dr. T. Sundaramoorthy, Assistant Director** and **Dr. M. Amirthalingam, Education Officer** retired on November 30, 2018 after 24 and 25 years respectively. We wish them all the best and hope they will continue their association with us in the future.



**Dr. T. Sundaramoorthy**



**Dr. M. Amirthalingam**







## நீடித்த சுற்றுச்சூழலுக்கு ஆலோசனை

**கோவை, ஆக. 30-**  
மாவட்ட சுற்றுச்சூழல்  
மன்றத்திடம், விப்போ  
நிறுவனம் இணைத்து,  
நீடித்த, நிலைத்த சுற்றுச்  
சூழல் பெறுவதற்கான  
வழிமுறைகள் குறித்து,  
மாணவர்களுக்கு போட்டி  
அறிவித்துள்ளது. இதில்  
வெற்றி பெறுவோருக்கு,  
ஒரு லட்சம் பரிசுத்தொகை  
அறிவிக்கப்பட்டுள்ளது.

மாவட்ட சுற்றுச்சூழல்  
மன்றம் சார்பில், அரசுப்  
பள்ளி ஆசிரியர்களுக்கான  
பரிசு, பாக்கி இல் ஒட்ட  
லில், தேற்று நடத்தது.

இதில், விப்போ நிறுவ  
னம் மற்றும் சி.பி.ஆர்., சுரு

**சிறந்த படைப்புக்கு ரூ. ஒரு லட்சம் பரிசு**

றுச்சூழல் கல்வி மையம்  
இணைத்து, 'எந்திரவம்'  
என்ற தலைப்பில், கருத்த  
ரங்கு நடத்தியது.

சுற்றுச்சூழல் சி  
கே.எஸ். தங்கவேலு வழி  
முறைகள், மரக்கன்றுதடுதல்,  
தண்ணீர் மேம்பாடு குறித்து,  
ஆசிரியர்களுக்கு ஏடுத்து  
ரைக்கப்பட்டது.

சி.பி.ஆர்., சுற்றுச்சூழல்  
கல்வி மையம் அலுவலர்  
குமாரவேலு பேசுகையில்,  
"பல்பாசிகள் பெருக்கம்  
மற்றும் தண்ணீர் பாது  
காப்பிற்கு பெருக்கான  
வேண்டிய நடவடிக்கை  
கள் குறித்து, ஐயுறு தரும்  
வகையில், செயல்பட்டும்  
சமர்ப்பிக்கும் போட்டி

அறிவிக்கப்பட்டுள்ளது.  
செப்.5ம் தேதி வரை,  
இதில் பங்கேற்போர்,  
சி.பி.ஆர்., அலுவலகத்தில்,  
விண்ணப்ப படிவம் பெற  
லாம். ஆக.15ம் தேதிக்குள்,  
செயல்பிட்டும் சமர்ப்பிக்க  
வேண்டும்.

"சிறந்த செயல்பிட்டத்  
துக்கு, ஒரு லட்சம் ரூபாய்  
பரிசுத்தொகை வழங்கப்  
படும்," என்று,  
நிகழ்ச்சியில், சி.பி.ஆர்.,  
(தகர்) தீதா, சி.பி.ஆர்., (எஸ்.  
எஸ்.குமார்) தீதா, மாவட்ட  
சுற்றுச்சூழல் மன்ற ஒருங்கி  
ணைப்பாளர் லோகாம்ப  
பாள் உள்விட்ட, பலர் பங்  
கேற்றனர்.

இராமணி கோவை,

42





Students of Holy Angels ISC school along with their teacher Evangeline Sugunan submit their findings connected with the Charachira Pond degradation to Mayor V.K. Prasanth on Wednesday

## Students ask mayor to save Charachira pond

DC CORRESPONDENT  
THIRUVANANTHAPURAM, FEB 21

Students from Holy Angels' ISC School Nanthancode submitted a report to Mayor V.K. Prasanth on the unscientific construction of a retaining wall along Charachira pond. The mayor assured them of action, and asked them to submit copies to Nanthancode councillor and Town Planning Standing Committee Chairperson.

The report notes that massive dredging machines were placed by the side of the pond. Pallavi Kailas who had prepared the report with Meenakshi Sudheer, Jessica Sara Suresh and Alina, had earlier told DC how the habitat was getting

degraded. During the weeks when construction was going on, the amount of plastic waste had increased, she said. Her team was one of the top 10 school teams in the country to win the Wipro Earthian award.

The 11.5 crore project, undertaken by Corporation, intends to build a concrete wall around the pond. One portion of the wall is complete. However concrete walls would allow no soil-water interaction, cutting off nutrient supply for microbes, according to experts at WWF. This would affect the microbe-insect-fish-bird food chain, they say. Moreover, the soil's water retention capacity will reduce, affecting the vegetation around. The report also says

that the lane adjacent to the pond is being broadened using the silt removed from the pond. It mentions a suggestion put forward by state planning board working group member C. Bhaskaran - to use geotextiling, to reduce the siltation.

The winning team was accompanied by their teacher in-charge Evangeline Sugunan, and schoolmates, Rakya Shanavas, Vasundhara S.R. Anushree A.P. Khadeeja Ansar and Krishna Sudheesh. A Nanthancode resident, Evangeline said that over the last 25 years, the pond has undergone a lot of changes. "It would be desecrated with drainage waste from neighbouring houses. Moreover, the area of the pond has reduced," she said.

# ఆంధ్రజ్యోతి

ANDHRA JYOTI



## హైదరాబాద్

28

గురువారం 19 జూలై 2018

బుధవారం గంభీరత 30.7 | టెంపె 23.5

### విద్య, నీరు, జీవవైవిధ్యంపై పర్యవేక్షణ



విద్య, నీరు, జీవవైవిధ్యంపై పర్యవేక్షణ

హైదరాబాద్, జూలై 18 (ఆంధ్రజ్యోతి): విద్యా, నీరు, జీవవైవిధ్యంపై పర్యవేక్షణ పెంచే లక్ష్యంతో విద్యార్థులకు ప్రాజెక్ట్ ఫ్యాసిలిటేషన్ క్యాంప్ అవ్వాలని నీటి శాఖ పర్యావేక్షణ విభాగం నేతృత్వంలో విద్యార్థులకు ప్రాజెక్ట్ ఫ్యాసిలిటేషన్ క్యాంప్ నిర్వహించింది. ఈ కార్యక్రమంలో విద్యార్థులు విద్య, నీరు, జీవవైవిధ్యంపై అవగాహన పెంచుకుంటున్నారు. ప్రాజెక్ట్ ఫ్యాసిలిటేషన్ క్యాంప్ లో విద్యార్థులు విద్య, నీరు, జీవవైవిధ్యంపై అవగాహన పెంచుకుంటున్నారు. ప్రాజెక్ట్ ఫ్యాసిలిటేషన్ క్యాంప్ లో విద్యార్థులు విద్య, నీరు, జీవవైవిధ్యంపై అవగాహన పెంచుకుంటున్నారు.

### Generating awareness & skill Project facilitation camp for students organised at FTI

For 10th, 12th

A two-day project facilitation camp for school students under the sustainability education programme for schools was held at Forest Training Institute, Hyderabad.



The residential camp was organised by FTI, Forest Training Institute, Hyderabad. The camp was held from July 18 to 19, 2018. The camp was held for 10th and 12th standard students. The camp was held for 10th and 12th standard students. The camp was held for 10th and 12th standard students.

### Project facilitation...

(Contd. from page 1)

Biodiversity and water. Resource persons from Forest Training Institute, Wimberlygunj, CPR Environmental Education Centre and Indian Institute of Geomorphology, Field Station, Shool Bay led various sessions.

Altogether 46 students and 10 teachers from Govt. Model HS, Sec. School, Abberdeen, USSS Bahubhushli, Crossen Public School, Wimberlygunj, Zilla Public School, Kothapeta, Narula St. Sec. School, Por. Blair, Sagaitara School, Port Blair, Vivekananda Kendra Vidyalaya, Port Blair, Saraswati Shishu Mandir, Padmavathi and Navy Children's School, Marine Bay attended the Camp. They actively participated in the entire camp updating their knowledge and skills on different themes of the camp and taking up various practical assignments on different topics. The whole activities of the camp were coordinated by Shri. A. Gopal, Project Officer, CPR Environmental Education Centre, Por. Blair and Shri. Ajay P. Akappa, Director, Forest Training Institute, Wimberlygunj who also led various sessions in the two days programme. Shri. Sukumar Das, Instructor, FTI, Shri. Deb Kumar Bhadras, Technical Officer, Field Station, Indian Institute of Geomorphology, Shool Bay and Shri. U. Thiruvalluvar, Senior Environmental Education Officer, CPREEC, Chennai were the other resource persons of the Camp.

## మలక్ పేట

జాతీయ ప్రభుత్వం

రంగారెడ్డి జిల్లాలో  
కామవరంలో అభివృద్ధి  
ప్రణాళిని నిర్వహించే  
ప్రణాళిని నిర్వహించే

### సహజవనరులతోనే సుస్థిరాభివృద్ధి సాధ్యం

అభివృద్ధి, మౌలిక సౌకర్యాలను పెంచుకుంటూ సుస్థిరాభివృద్ధి సాధించడం ప్రాధాన్యతగా ఉండాలని రంగారెడ్డి జిల్లా పరిషత్ అధ్యక్షులు రాజ్ కుమార్ చంద్రశేఖర్ అన్నారు. ఈ సందర్భంగా జిల్లా పరిషత్ సమావేశం, విద్య, నీరు, జీవవైవిధ్యంపై అవగాహన పెంచుకుంటున్నారు. ప్రాజెక్ట్ ఫ్యాసిలిటేషన్ క్యాంప్ లో విద్యార్థులు విద్య, నీరు, జీవవైవిధ్యంపై అవగాహన పెంచుకుంటున్నారు.



ప్రాజెక్ట్ ఫ్యాసిలిటేషన్ క్యాంప్ లో విద్యార్థులు

ప్రాజెక్ట్ ఫ్యాసిలిటేషన్ క్యాంప్ లో విద్యార్థులు విద్య, నీరు, జీవవైవిధ్యంపై అవగాహన పెంచుకుంటున్నారు. ప్రాజెక్ట్ ఫ్యాసిలిటేషన్ క్యాంప్ లో విద్యార్థులు విద్య, నీరు, జీవవైవిధ్యంపై అవగాహన పెంచుకుంటున్నారు.

# The Echo of India - Port Blair

## October 30, 2018

# Capacity building workshop for teachers by CPREEC

PORT BLAIR, OCT 29/--/ CPR Environmental Education Centre (CPREEC) Port Blair organized a one day Capacity Building Workshop and field visit on Island Biodiversity Conservation for the pre-service teachers of the Tagore Government College of Education (TGCE), Port Blair, funded by the National Biodiversity Authority (NBA), Government of India, Chennai. The workshop was organized at TGCE Auditorium recently.

The main objective of the workshop was to motivate the teacher trainees to set an example to their students and involve

themselves in biodiversity conservation thereby protecting and safeguarding the pristine ecology of the Andaman & Nicobar Islands as they are bound to become teachers in the Islands itself on completion of their teacher training course. It is very vital to enhance the knowledge of these teachers in imparting training on Biodiversity Conservation to the young minds.

Mr A.Gopal, Project Officer, CPREEC, Port Blair welcomed the dignitaries and the participants of the workshop. Mr Amit Anand, Deputy Conservator of Forests, Department of Environment & Forests, Andaman & Nicobar

Administration inaugurated the workshop and delivered the inaugural address.

In his inaugural address, he highlighted the importance of A&N islands biodiversity & its conservation and the teachers' key role in environment protection. Dr. J.D. Singh, Principal, Tagore Government College of Education, Port Blair was the guest of honour in the workshop.

The topics handled in the technical session by eminent scientists of the Islands include introduction to Biodiversity Act and Guidelines for the preparation of Biodiversity Register, Island

biodiversity and Role of protected areas in the conservation of Island Biodiversity. Faunal diversity of Andaman and Nicobar islands and Floral diversity of Andaman and Nicobar islands.

The pre-service teachers participated in a discussion regarding the biodiversity register. A field trip was organized on Sunday during which participating teacher trainees took to on a field visit to Carbyn Cove mangrove Patch, Botanical Survey Of India's Garden Nayashehar and Marine interpretation Centre Wandoor. During the field visit, shown the mangroves species and plant species.

## ECHO OF INDIA, MARCH 2, 2019

# Capacity bldg workshop for JNRM students by CPREEC

PORT BLAIR, MARCH 2/ --/ CPR Environmental Education Centre (CPREEC), Port Blair organized two days Capacity Building Workshop and field visit in collaboration with JNRM, Port Blair on Island Biodiversity Conservation for students of the JNRM, funded by the National Biodiversity Authority (NBA), Government of India, Chennai. The workshop was organized for Science and Non science students from 26.02.2019 to 01.03.2019. The main objective of the workshop is to motivate and sensitize the students and orient themselves so that they can involve themselves in biodiversity conservation. The workshop has also empowered students in turn they will be protecting and safeguarding the pristine ecology of the Andaman & Nicobar Islands. Further they workshop addressed the vital need to enhance the knowledge of college students in imparting training on Biodiversity Conservation to these young minds. The workshop was inaugurated by Dr. Francis



Xavier, Principal, JNRM, Port Blair in his inaugural address, he urged the students to conserve the fragile ecosystem of A&N islands and the students key role in environment protection. Shri. A.Gopal, Project Officer, CPREEC, Port Blair briefed about the workshop. Earlier, Dr. K.Venkatesan, Asst. Professor & HoD of Home Science, welcomed the gathering. On 26.02.2019 for Science students, the topics were handled in the

technical session by resource person of the Islands which include Mangrove biodiversity and its importance with special reference to ANI (By Dr. S. Dum Roy, Head of Department, Fisheries Science Division, CIARI, Port Blair). Faunal diversity of Andaman and Nicobar islands (Mr P.T. Rajan Retd, Senior Zoological Assistant, Zoological Survey of India, Port Blair). Role of students in biodiversity conservation (Dr. Santhosh

Kumar Jha, Asst. Professor, Department of Botany, JNRM, Port Blair). Floral diversity of Andaman and Nicobar islands (Mr. Jyoti P. Alappat, Director, Forest Training Institute, Wimberlygunj). Biodiversity and its importance (Dr. Vivek Kumar Sahu, Asst. Professor, Department of Zoology, JNRM, Port Blair). Discussed on Peoples biodiversity register (Mr A. Gopal, Project Officer, CPREEC, Port Blair).



Mangrove biodiversity and its importance with special reference to ANI (Mr. Sukumar Das, Instructor, Forest Training Institute, Wimberlygunj). Faunal diversity of Andaman and Nicobar islands (Mr P.T. Rajan Retd, Senior Zoological Assistant, Zoological Survey of India, Port Blair). Role of students in biodiversity conservation (Dr. Santhosh Kumar Jha, Asst. Professor, Department of Botany, JNRM, Port Blair). Floral

diversity of Andaman and Nicobar islands (Dr. V. Bakkar, Sr. Scientist, CIARI, Port Blair). Biodiversity and sustainable tourism (Dr. Gautham, Asst. Professor, Department of Zoology, JNRM, Port Blair). Discussed on Peoples biodiversity register (Mr A. Gopal, Project Officer, CPREEC, Port Blair). Field trip was organized on 27.02.2019 for science students and 01.03.2019 for Non science students. The College students visited

Carbyn Cove mangrove Patch, Wetland Sippighat, Botanical Garden, Botanical Survey of India, Nayashehar and Marine Interpretation Centre, Mahatma Gandhi Marine National Park, Wandoor. Mr. Sukumar Das, Instructor, Forest Training Institute, Wimberlygunj, Dr. P.T. Rajan and Dr. Vivek, Zoological Assistant, Botanical Survey of India enlightened the students to conserve the biodiversity in Andaman & Nicobar Islands.