

**Government of India**  
**Ministry of Environment, Forest & Climate Change**  
**(EI Division)**

**Fact sheet of 2021-2022 (As on 31.3.2022) on Activities of ENVIS Centre**

<b>1</b>	<b>Name of Host Organization:</b>	Department of Chemistry, Thiagarajar College of Engineering, Madurai.
<b>2</b>	<b>Assigned Subject Area:</b>	Plastic Waste Management
<b>3</b>	<b>Date/Month/Year of establishment of ENVIS Centre:</b>	07/02/2018
<b>4</b>	<b>Name and designation of ENVIS Coordinator (2021-22):</b>	Dr. R. Vasudevan, Dean ECA & Professor of Chemistry Thiagarajar College of Engineering, Madurai.
<b>5</b>	<b>Has the Host Organization constituted an Advisory Committee for guiding the activities of the Centre?</b>	Yes
	<b>Composition of the Advisory Committee:</b>  (Select YES or NO: if YES kindly fill the right column space; if NO kindly leave it blank)  <input type="radio"/> YES <input type="radio"/> NO	Dr. M. Palaninatha Raja, Chairman, TCE ENVIS, Principal I/C, Thiagarajar College of Engineering, Madurai.  Dr. R. Vasudevan, Convener, TCE ENVIS, Dean ECA & Prof. Department of Chemistry, Thiagarajar College of Engineering, Madurai.  Dr. M. Kottaisamy, Member, TCE ENVIS Prof & Head Department of Chemistry, Thiagarajar College of Engineering, Madurai  Dr. RA. Alaguraja, Member, TCE ENVIS Assoc. Prof., Department of ECE, Thiagarajar College of Engineering, Madurai  Dr. S. Muthuramalingam, Member, TCE ENVIS, Prof., Department of IT, Thiagarajar College of Engineering, Madurai  Dr. S. Sivailango., Member, TCE ENVIS Asst. Prof. Department of Chemistry Thiagarajar College of Engineering, Madurai  Dr. G. Balaji, Member, TCE ENVIS, Prof. Department of Architecture, Thiagarajar College of Engineering, Madurai  Dr. A. Ramalinga Chandra Sekar, Member, TCE ENVIS, Asst. Prof. Department of chemistry, Thiagarajar College of Engineering, Madurai

**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

**Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"**

<b>6</b>	<b>Current ENVIS Staff Structure:</b>							
	Name	Position	Qualification & Experience	Joining Date in ENVIS	Joining Date in current position	2020-21		
						Leaving Date (i.a)	Emoluments drawn	
							Monthly	Annual
	Dr. A. Ramalinga Chandra Sekar	Program Officer	M.Sc., M phil Ph.D., 4 Year 1 Month	01-03-2018	01-03-2018	05-08-2022	46690	240981
	Dr. B. Sundara kannan	Program Officer	M.Sc., Ph.D., 4 Year 1 Month	01-01-2022			46690	92144
	Dr. B. Sundara kannan	Information Officer	M.Sc., Ph.D., 4 Year 1 Month	01-03-2018	01-03-2018	31-12-2021	38997	389970
	Mr. M. Chander Kumar	Information Technology Officer	MCA., ME., 2 Year 4 month	01-06-2020	01-06-2020		28672	344064
Mrs. S. Gomathi	Data Entry Operator	M.com, 3 Year 1 Month	01-03-2018	01-03-2018	---	14641	175692	
<b>7</b>	<b>Mandate of the Host Organization</b>				<b>Mandate of the ENVIS Centre</b>			
	<p>Founded in 1957 by philanthropist and industrialist Late Shri. Karumuttu Thiagarajan Chettiar <b>Thiagarajar College of Engineering (TCE)</b> is an ISO 9001: 2008 certified institution affiliated to Anna University and situated in Madurai, the Temple City. The college is funded by Central &amp; State Governments and Management. The courses offered in TCE are approved by the All India Council for Technical Education, New Delhi. TCE was granted Autonomy in the year 1987 and the programs have been accredited by the National Board of Accreditation(NBA). TCE offers 9 undergraduate programs, 10 postgraduate programs and doctoral programs in Engineering, Science and Architecture, Doctoral programs in the field of Engineering and Technology science and architecture.</p>				<p>Systematic collection, collation and dissemination of data on "Plastic Waste Management" which is an open access resource for students, research scholars, faculty, NGO and public. This would facilitate awareness of the present status of Plastic Waste Management and its role in the environment. The ENVIS centre also focuses on the NES on different parameters as suggested by MOEF &amp; CC. The ENVIS centre will play a vital role in providing newer data for researchers, who works on Plastic Waste Management. The ENVIS Centre also conducts GSDP Program on Waste Management.</p>			

**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

**Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"**

**8. Databases:**

**8.1. Catalogue of Non-Numeric Databases compiled by the ENVIS Centre till date:**

<b>Name of Data base</b>	<b>Description</b>	<b>Data type (descriptive/graphical/geospatial/ etc.)</b>	<b>Status of updation/ periodicity/ Data points complied (including</b>	<b>Source (s) of the data</b>	<b>Online availability (whether uploaded on ENVIS Website)</b>
Introduction to Plastic	A brief details about the plastics	Descriptive & graphical	Once a Year	Internet, Universities, libraries & national institutions	Yes
History of Polymers	A brief details about the polymers	Descriptive & graphical	Once a year	Internet, Universities, libraries & national institutions	Yes
Plastic Time Line	A brief details about the growth of polymers	Descriptive & graphical	Every Month	Internet, Universities, libraries & national institutions	Yes
Chemistry of Polymers	A brief details about the chemical nature and structure of polymers	Descriptive & graphical	Every Month	Internet, Universities, libraries & national institutions	Yes
Development of Plastic Product	A brief details about the systematic developments in plastic industries	Descriptive & graphical	Every Month	Internet, Universities, libraries & national institutions	Yes
Plastic Production	A brief details about the production of plastics in India and in abroad	Descriptive & graphical	Every Month	Internet, Universities, libraries & national institutions	Yes

**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

**Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"**

Plastic Processing	A brief details about the processing of plastics	Descriptive & graphical	Monthly once	Internet, Universities, libraries & national institutions	Yes
Plastic & Environment	A detailed report on the plastics and its role in the environment.	Descriptive & graphical	Monthly once	Internet, Universities, libraries & national institutions	Yes
Chemicals in Plastic	A detailed report on the plastics and its chemical nature	Descriptive & graphical	Monthly once	Internet, Universities, libraries & national institutions	Yes
Consumption of Plastic – Global Scenario	A detailed report on the plastics and its consumption international.	Statistics	Once/year	Internet, Universities, libraries & national institutions	Yes
Consumption of Plastic – India Scenario	A detailed report on the plastics and its consumption Indian.	Statistics	Once/Year	Internet, Universities, libraries & national institutions	Yes
Disposal of Plastic	A detailed report on the plastics and its methods of disposal	Descriptive & graphical	Upcoming	Internet, Universities, libraries & national institutions	Yes
Plastic Pollution	A detailed report on the plastics and the pollution generated when it is disposed in the environment	Descriptive & graphical	Upcoming	Internet, Universities, libraries & national institutions	Yes
E-Waste	A detailed report on the E- waste and E waste plastics	Descriptive & graphical	Monthly once	Internet, Universities, libraries & national institutions	Yes

**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)****Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"****8.2. Catalogue of Numeric and Time-series Databases compiled by the Centre till date:**

<b>Name of Database</b>	<b>Description (in brief)</b>	<b>Time period (starting Year-ending year) and Periodicity (annual/Monthly/ other)</b>	<b>Source (s) of data</b>	<b>Online Availability (Whether uploaded on ENVIS Website)</b>
News & Events	TCE ENVIS announcements & Regular ENVIS Events	Regularly	Online	Available online
Live News	Live News provides the news about our theme area from various source	Daily	Automated NEWS Catcher Program	Available online
Opportunity	Provide information about opportunity in the assigned topic for students, scholars and job seekers	Upcoming	Online	Available online
Interesting facts	Recent discoveries, interesting information	Upcoming	Online	Available online
Image of the week	Providing detailed information about Waste Management	Upcoming	Online	Available online

<b>Name of Database</b>	<b>Description (in brief)</b>	<b>Time period (starting Year-ending year) and Periodicity (annual/Monthly/ other)</b>	<b>Source (s) of data</b>	<b>Online Availability (Whether uploaded on ENVIS Website)</b>
Kids corner	Website for children. Provides simple information about our theme area plastics & its waste management	Monthly Minimum One	Online	Available Online
Experts	Database with list of eminent scientist and professors in respective field	Final List Consolidated and Awaiting for Approval	Online and offline	Available online

**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

**Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”**

**8.3. Live News Feed**

<b>Name of Database</b>	<b>Description (in brief)</b>	<b>Time period (starting Year-ending year) and Periodicity (annual/Monthly/ other)</b>	<b>Source (s) of data</b>	<b>Online Availability (Whether uploaded on ENVIS Website)</b>
Live News Feed	Live News provides the news about our theme area from various source all over the world	Regularly	Online	Available Online

**8.4. GSDP Portal**

<b>Name of Database</b>	<b>Description (in brief)</b>	<b>Time period (starting Year-ending year) and Periodicity (annual/Monthly/ other)</b>	<b>Source (s) of data</b>	<b>Online Availability (Whether uploaded on ENVIS Website)</b>
GSDP Portal	With details of course conducted and participants details	Regularly	Online	Available Online

**8.5. E Certificate on Verification Portal – For GSDP Participants**

<b>Name of Database</b>	<b>Description (in brief)</b>	<b>Time period (starting Year-ending year) and Periodicity (annual/Monthly/ other)</b>	<b>Source (s) of data</b>	<b>Online Availability (Whether uploaded on ENVIS Website)</b>
E Certificate Verification portal	Verification and downloading of E-certificate for GSDP Participants	Regularly	Online	Available Online

## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

### Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”

#### 8.6. New Databases developed during the Financial Year (2021-22)

##### 8.6.1. Non-numeric Databases:

Name of Database	Description (in brief)	Data type (descriptive/ Graphical/ Geospatial/ Etc.)	Status of Updation/ Periodicity/Data points Complied (including date/month/year of last data)	Source (s) of data	Online Availability (Whether uploaded on ENVIS Website)
Video Gallery	Completed			Online	Available online
Photo Gallery	TCE ENVIS & GSDP Activities	Images	Frequently	Online	Available Online

#### 9. Information/ Knowledge Products:

##### 9.1. ENVIS Newsletters published during the Financial Year 2021-22

Cover snapshot	Quarter/ Volume/ Issue/ Theme / Main Articles	Number of copies printed and circulated	URL of the PDF file in ENVIS website
	April - June 2021	100	<a href="http://www.tceenvis.in/Newsletter">www.tceenvis.in/Newsletter</a>
	July -September 2021	100	<a href="http://www.tceenvis.in/Newsletter">www.tceenvis.in/Newsletter</a>

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**Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”**

	<p>October – December 2021</p>	<p>100</p>	<p><a href="http://www.tceenvvis.in/Newsletter">www.tceenvvis.in/Newsletter</a></p>
	<p>January – March 2022</p>	<p>100</p>	<p><a href="http://www.tceenvvis.in/Newsletter">www.tceenvvis.in/Newsletter</a></p>


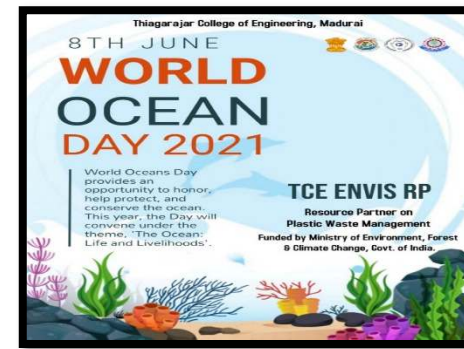


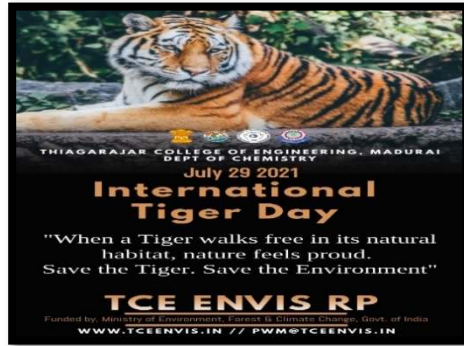
**9.2 Other publications/ information products brought out during the Financial Year (2021-22):**

Cover Snapshot	Publication / Product Theme (s) /Subject Area (s)	Number of copies printed and circulated	URL of the PDF file in ENVIS website
	<p>World Earth Day /22.04.2021 / Poster</p>	<p>50</p>	<p><a href="http://www.tceenvvis.in/posters">www.tceenvvis.in/posters</a></p>




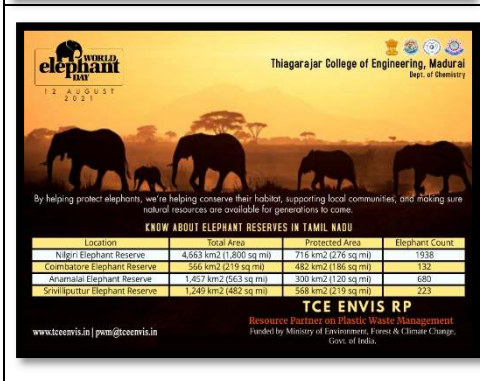
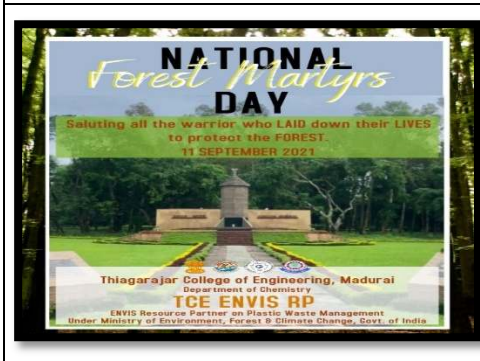
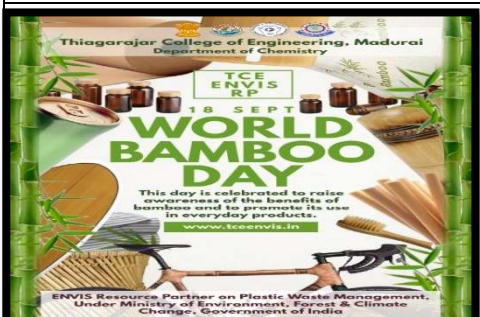

**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

**Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”**

 <p>Let us Make Better Planet <b>World Environment Day</b> 5 JUNE 2021 Together, we can prevent the coming disasters of climate change and environmental destruction. Let us Reimagine, Recreate, Restore. TCE ENVIS RP Resource Partner Plastic Waste Management www.tceenvis.in   Funded by Ministry of Environment, Forest &amp; Climate Change, Govt. of India</p>	<p><b>World Environment Day/05.06.2021/ Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvis.in/posters">www.tceenvis.in/posters</a></p>
 <p>Thiagarajar College of Engineering, Madurai 8TH JUNE <b>WORLD OCEAN DAY 2021</b> World Oceans Day provides an opportunity to honor, help protect, and conserve the ocean. This year, the Day will convene under the theme: "The Ocean: Life and Livelihoods". TCE ENVIS RP Resource Partner on Plastic Waste Management Funded by Ministry of Environment, Forest &amp; Climate Change, Govt. of India.</p>	<p><b>World Ocean Day/08.06.2021/ Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvis.in/posters">www.tceenvis.in/posters</a></p>
 <p>Thiagarajar College of Engineering, Madurai 2021 <b>TCE ENVIS RP</b> RESOURCE PARTNER ON PLASTIC WASTE MANAGEMENT <b>INTERNATIONAL PLASTIC BAG FREE DAY</b> Plastic Bags and the Environment: World's bag production is growing rapidly. In 2018, 160 billion bags were produced. This is expected to reach 200 billion bags by 2025. The production and disposal of plastic bags are major contributors to global warming and environmental pollution. ENERGY SAVINGS: Plastic bags require 75% less energy to manufacture and transport than paper bags. DISPOSAL ADVANTAGES: Plastic bags take up to 93% less space than paper bags in landfills. REUSABLE OPTION KNOW-AREN'T BELIEVED KNOW! Reusable reusable cotton grocery bags must be reused at least 100 times. The average Indian family uses plastic grocery bags 100 times a month. A plastic bag used only once is 100 times more wasteful than a reusable bag. To avoid the same environmental performance of a plastic bag, you would need to use 100 reusable bags. Funded by Ministry of Environment, Forest &amp; Climate Change</p>	<p><b>International Plastic Bag Free Day/03.07.2021/ Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvis.in/posters">www.tceenvis.in/posters</a></p>
 <p><b>International Day for the Conservation of MANGROVE ECOSYSTEM</b> 26 JULY International Day for the Conservation of the Mangrove Ecosystem on July 26 with the aim of raising awareness about mangrove ecosystems and to promote their sustainable management and conservation. TCE ENVIS RP Hosted by: Thiagarajar College of Engineering, Dept. of Chemistry Funded by: Ministry of Environment, Forest &amp; Climate Change, Govt. of India</p>	<p><b>International Day for Conservation of Mangrove Ecosystem / 26.07.2021 / Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvis.in/posters">www.tceenvis.in/posters</a></p>
 <p>THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI DEPT OF CHEMISTRY July 29 2021 <b>International Tiger Day</b> "When a Tiger walks free in its natural habitat, nature feels proud. Save the Tiger. Save the Environment" TCE ENVIS RP Funded by Ministry of Environment, Forest &amp; Climate Change, Govt. of India WWW.TCEENVIS.IN // PWM@TCEENVIS.IN</p>	<p><b>International Tiger Day / 29.07.2021 / Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvis.in/posters">www.tceenvis.in/posters</a></p>

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 <p><b>WORLD LION DAY</b> AUG 10 2021</p> <p>LACK OF FOOD WATER HABITAT BECOMING A MAJOR CHALLENGE FOR SURVIVAL</p> <p>WILDLIFE IS IN DANGER FOR THE KING OF THE BEASTS THE LION</p> <p>THE WIDESPREAD STRONGER CHALLENGE</p> <p><b>SAVE LION</b></p> <p><b>TCE ENVIS RP</b> Resource Partner on Plastic Waste Management Funded by Ministry of Environment, Forest &amp; Climate Change, Govt. of India Hosted by Thiagarajar College of Engineering, Dept. of Chemistry, Madurai www.tceenvvis.in   pwm@tceenvvis.in</p>	<p><b>World Lion Day/ 10.08.2021/Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvvis.in/posters">www.tceenvvis.in/posters</a></p>																				
 <p><b>WORLD ELEPHANT DAY</b> 12 AUGUST 2021</p> <p>Thiagarajar College of Engineering, Madurai Dept. of Chemistry</p> <p>By helping protect elephants, we're helping conserve their habitat, supporting local communities, and making sure natural resources are available for generations to come.</p> <p><b>KNOW ABOUT ELEPHANT RESERVES IN TAMIL NADU</b></p> <table border="1"> <thead> <tr> <th>Location</th> <th>Total Area</th> <th>Protected Area</th> <th>Elephant Count</th> </tr> </thead> <tbody> <tr> <td>Nilgiri Elephant Reserve</td> <td>4,563 km<sup>2</sup> (1,762 sq mi)</td> <td>716 km<sup>2</sup> (276 sq mi)</td> <td>1,936</td> </tr> <tr> <td>Coimbatore Elephant Reserve</td> <td>556 km<sup>2</sup> (215 sq mi)</td> <td>482 km<sup>2</sup> (186 sq mi)</td> <td>132</td> </tr> <tr> <td>Anamalai Elephant Reserve</td> <td>1,457 km<sup>2</sup> (563 sq mi)</td> <td>309 km<sup>2</sup> (120 sq mi)</td> <td>680</td> </tr> <tr> <td>Srivilliputtur Elephant Reserve</td> <td>1,249 km<sup>2</sup> (482 sq mi)</td> <td>568 km<sup>2</sup> (219 sq mi)</td> <td>223</td> </tr> </tbody> </table> <p><b>TCE ENVIS RP</b> Resource Partner on Plastic Waste Management Funded by Ministry of Environment, Forest &amp; Climate Change, Govt. of India. www.tceenvvis.in   pwm@tceenvvis.in</p>	Location	Total Area	Protected Area	Elephant Count	Nilgiri Elephant Reserve	4,563 km <sup>2</sup> (1,762 sq mi)	716 km <sup>2</sup> (276 sq mi)	1,936	Coimbatore Elephant Reserve	556 km <sup>2</sup> (215 sq mi)	482 km <sup>2</sup> (186 sq mi)	132	Anamalai Elephant Reserve	1,457 km <sup>2</sup> (563 sq mi)	309 km <sup>2</sup> (120 sq mi)	680	Srivilliputtur Elephant Reserve	1,249 km <sup>2</sup> (482 sq mi)	568 km <sup>2</sup> (219 sq mi)	223	<p><b>World Elephant Day/ 12.08.2021/ Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvvis.in/posters">www.tceenvvis.in/posters</a></p>
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 <p><b>NATIONAL Forest Martyrs DAY</b></p> <p>Saluting all the warrior who LAID down their LIVES to protect the FOREST.</p> <p>11 SEPTEMBER 2021</p> <p>Thiagarajar College of Engineering, Madurai Department of Chemistry <b>TCE ENVIS RP</b> ENVIS Resource Partner on Plastic Waste Management Under Ministry of Environment, Forest &amp; Climate Change, Govt. of India</p>	<p><b>National Forest Martyrs Day / 11.09.2021 /Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvvis.in/posters">www.tceenvvis.in/posters</a></p>																				
 <p>Thiagarajar College of Engineering, Madurai Department of Chemistry</p> <p><b>TCE ENVIS RP</b></p> <p>18 SEPT <b>WORLD BAMBOO DAY</b></p> <p>This day is celebrated to raise awareness of the benefits of bamboo and to promote its use in everyday products.</p> <p>www.tceenvvis.in</p> <p>ENVIS Resource Partner on Plastic Waste Management, Under Ministry of Environment, Forest &amp; Climate Change, Government of India</p>	<p><b>World Bamboo Day / 18.09.2021/ Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvvis.in/posters">www.tceenvvis.in/posters</a></p>																				
 <p>THIAGARAJAR COLLEGE OF ENGINEERING DEPARTMENT OF CHEMISTRY</p> <p><b>BEAT COVID 19</b></p> <ul style="list-style-type: none"> <li>WASH HANDS FREQUENTLY</li> <li>USE MASK AND DISPOSE IT</li> <li>AVOID PUBLIC PLACES</li> <li>KEEP SOCIAL DISTANCE</li> <li>TAKE VITAMIN C</li> </ul> <p><b>SPREAD THE WORD</b></p> <p><b>World Environmental Health Day 2021</b> SEPTEMBER 26 2021</p> <p><b>TCE ENVIS RP</b> ENVIS RESOURCE PARTNER PLASTIC WASTE MANAGEMENT UNDER MINISTRY OF ENVIRONMENT, FOREST &amp; CLIMATE CHANGE, GOVT. OF INDIA</p>	<p><b>World Environmental Health Day / 26.09.2021 / Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvvis.in/posters">www.tceenvvis.in/posters</a></p>																				

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	<p><b>World Animal Day / 04.10.2021/ Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvvis.in/posters">www.tceenvvis.in/posters</a></p>
	<p><b>World Habitat Day / 04.10.2021/ Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvvis.in/posters">www.tceenvvis.in/posters</a></p>
	<p><b>Wildlife Week October 2<sup>nd</sup> to 8<sup>th</sup> 2021 / Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvvis.in/posters">www.tceenvvis.in/posters</a></p>
	<p><b>International Day for Preventing the Exploitation of the Environment in the War and Armed Conflict / 06.11.2021/ Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvvis.in/posters">www.tceenvvis.in/posters</a></p>
	<p><b>World Toilet Day /19.11.2021 / Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvvis.in/posters">www.tceenvvis.in/posters</a></p>

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	<p><b>International Jaguar Day /29.11.2021 / Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvvis.in/posters">www.tceenvvis.in/posters</a></p>
	<p><b>International Mountain Day /10.12.2021 / Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvvis.in/posters">www.tceenvvis.in/posters</a></p>
	<p><b>National Pollution Control Day/ 02.12.2021 /Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvvis.in/posters">www.tceenvvis.in/posters</a></p>
	<p><b>World Sparrow Day / 20.03.2022/ Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvvis.in/posters">www.tceenvvis.in/posters</a></p>
	<p><b>World Meteorological Day /23.03.2022/ Poster</b></p>	<p>50</p>	<p><a href="http://www.tceenvvis.in/posters">www.tceenvvis.in/posters</a></p>

**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

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**9.3. Information Products published/ released during last year:**

Publication/Product	Theme (s)/ Subject Area (s)	Year of Publication	URL of the PDF file in ENVIS Website
Knowledge Product	Soil and Life (Halt Soil Salinization enhance soil Production)	2021-22	<a href="http://www.tceenvvis.in">www.tceenvvis.in</a>

**10. ENVIS Website (ENVIS Centres whose Website has been restructured may provide the Performance Report/Graphs generated therein wherever possible):**

10.1 URL: <http://tceenvvis.in>

10.2 Status of restructuring of Website: Restructured

10.3 Frequency of updating Website 2021-22: Daily

10.4 Subject-specific database updating (numeric/ others): Frequent

10.5 Publication uploaded/ updated on Website: Frequent

**11. User Engagement and Interaction**

User engagement and interaction	FY 2021-22
i. Total Number of Visits	1,78,102
ii. Number of Unique Visits	27,735
iii. Reports Downloaded / Read	975
iv. Total Number of Queries Received	239
v. Grade Received	A

11.1. Total number of visits on Website (2021-22): 1,78,102

11.2. Number of unique visits on Website (2021-22): 27,735

11.3. Number of reports downloaded/ read by stakeholders: 975

11.4. Query-Answer Statistics 2021-22: As on 31-Mar-2022: 239

Mode of Query Receipt	Number of Queries Received	Number of Queries Responded	Reasons for shortfalls, if any, and action taken to rectify
Online (CMS based website)	57	57	NA
Email (official IN server)	182	182	NA
Postal/Telephonic (incl. hand post)	-	-	-
Physical	5	5	-

**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

**Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"**

**12. Implementation of Annual Plan of Activities of the Financial Year (2021-22):**

<b>Activity/ Target</b>	<b>Achievement</b>	<b>Shortfalls, if any, and reasons therefore</b>
ENVIS Newsletters, Volume – 4 (Issue 1,2,3,4)	Completed	NA
Database Development (Plastic Waste Management)	Completed	NA
Impact / Analysis	Completed	NA
Other activities:		
1. Conducting awareness camps among publics, students and other people in the society in connection with the theme "plastic waste management" –10	Completed	NA
2. Celebration of other important environment related days in the calendar	Completed	NA
3. Distribution of hand outs and posters related to – 21 + 3	Completed	NA
4. Publication of Newsletter – 04	Completed	NA
5. Conducting Contest among school and college students – 2	Completed	NA
6. Conducting Kids Program - 01	Completed	NA
Special Activities:		
1. Training activities on laying Plastic Tar road	Completed	NA
2. Establishment Facilities on Waste Management	Completed	NA
3. Plastic Waste Management Training	Completed	NA

## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

### Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"

#### 13. New initiatives taken during the Financial Year (2021-22): ACTIVITIES

1. Establishment of Plastic Waste Management facility at Srivilliputhur, Virudhunagar District, on 03/08/2021



2. Plastic Waste Management training to Planethugg Company Employees.



3. Development of Mobile APP:

**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

**Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"**

<b>14.</b>	<b>Date of most recent physical verification by the Ministry:</b>	Nil
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**15. Status of existing hardware:**

	<b>Hardware item</b>	<b>Specification</b>	<b>Sanction Order with Date</b>	<b>Date of procurement</b>
<b>Procured from ENVIS Grant</b>	Desktops - 4	Intel i5, DDR 3, HDD 1TB, RAM 4GB, Monitor 18.5", OS: windows 10 original	26-02-2019; No: F. No. 23/18/2018-EI	17/09/2018
	Printer - 1	EPSON L565 All In One - Ink Tank Printer	26-02-2019; No: F. No.23/18/2018-EI	20/07/2018

**16. Status of utilization of grant during the financial year 2021-22 as on 31-March-2022 and reasons for shortfalls, if any:**

	<b>Head of Expenditure</b>	<b>Sanctioned amount (Rs.)</b>	<b>Actual Expenditure (Rs.)</b>	<b>Reasons for Shortfall/ Excess</b>
<b>Recurring Annual</b>	<b>Manpower</b>	15,48,000.00	<b>12,42,851.00</b>	PO officer resigned from 05.08.2021. IO officer resigned from 31.12.2021 PO officer New Joined from 01.01.2022.
	<b>Others</b>	4,65,300.00	4,55,313.00	NIL
	<b>Travel</b>	1,00,000.00	43366.00	2 <sup>nd</sup> Installment Received during 02.09.2021 3 <sup>rd</sup> Installment Received during 01.12.2021.
<b>Total</b>		21,13,300.00	<b>17,41,530.00</b>	

**17. Issues/ hurdles faced in undertaking ENVIS activities:**

<b>1</b>	<b>NIL</b>
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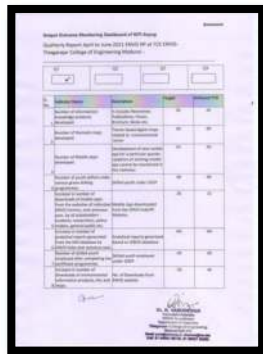
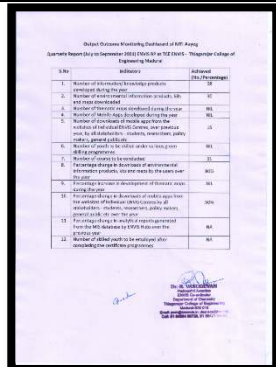
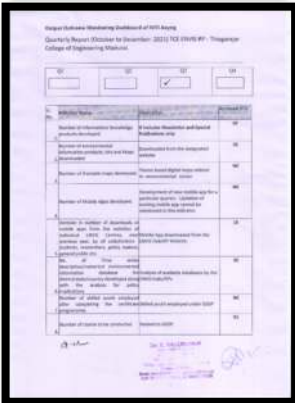

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**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

**Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”**

**Quarterly TCE ENVIS (RP) reports for FY-2021-2022.**

S.NO	Reports	Image
1.	April-June, 2021	
2.	July-September, 2021	
3.	October – December 2021	
4	January – March 2022	

## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

### Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”

#### TCE ENVIS – Activities Report FY 2021 – 2022

**Activities:** TCE ENVIS RP organized a various activities related to the Environmental like, Webinar, Seminar, Competition for School and College Students.

**Name of the Program:** TEDx SIUNashik organized an event – “Escape Room”

**Date:** 01<sup>st</sup> April 2021

**Details :** Dr. R. Vasudevan., Coordinator, TCE ENVIS RP, delivered a guest lecture on “Plastic Waste Management”



**Name of the Program:** Webinar conducted by MSME Chamber of Commerce Industry of India.

**Date:** 26<sup>th</sup> May 2021

**Details:** MSME Chamber of Commerce and Industry of India organized a webinar on Plastic Recycling and waste management. Dr. R. Vasudevan., coordinator, TCE ENVIS RP, delivered a lecture on “Plastic Waste in Road Laying”



**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

**Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"**

**Name of the Program: Webinar - World Environment day**

**Date: 05.06.2021**

**Details:** on the occasion of World Environment Day, TCE ENVIS RP organized a webinar. Dr. M. Mahendran., Professor & Head of the Department Physics, delivered on lecture of "Ancient Nanomaterials the environment Savior".

The poster is for a webinar titled "Ancient Nanomaterials: The Environment Savior" held on World Environment Day (5 June 2021). It is organized by TCE ENVIS RP & TCE NSS at Thiagarajar College of Engineering, Madurai. The speaker is Dr. M. Mahendran, Ph. D., FASCH, Head of Physics at the college. The Gmeet link is <http://meet.google.com/che-qetb-dns>. The date and time are 05.06.2021 at 05:00 PM. The background features a green plant growing from a globe.

**Name of the Program: Webinar - World Environment day**

**Date: 07.06.2021**

**Details:** TCE ENVIS RP organized a webinar on the occasion of World Environment Day 2021. Dr. G. Balaji professor dept. of Architecture, TCE, delivered a lecture on "Tamil Ecosystem Restoration"

The poster is for a webinar titled "Tamil Ecosystem Restoration" held on World Environment Day 2021. It is organized by TCE ENVIS RP at Thiagarajar College of Engineering, Madurai. The online speaker is Dr. G. Balaji, Professor, Dept of Architecture, Thiagarajar College of Engineering, Madurai. The date and time are 07.06.2021 from 02:15 to 03:15 PM. The Gmeet link is <https://meet.google.com/wkv-obzm-ggy>. The background features a forest scene. A quote from the speaker is included: "On the occasion of World Environment Day, let us pledge to work hard in making Earth a greener and healthier place to live." The theme of World Environment Day is "Reimagine. Recreate. Restore".

## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

### Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”

**Name of the Program:** Webinar conducted by The Policy Times.

**Date:** 04<sup>th</sup> June 2021

**Details:** The policy times organized a webinar on Miland Chavan Sustainability and Advocacy Lead packaging and specialty Plastics. Dr. R. Vasudevan Coordinator, TCE ENVIS RP, delivered a Lecture on “Innovation work and the challenges in plastic waste applications”

**Name of the Program:** We Care organized an event “Decoding Plastic Waste Management”

**Date:** 05<sup>th</sup> June 2021

**Details:** Dr. R. Vasudevan, Coordinator, TCE ENVIS RP, deliver a guest lecture on “Technological breakthrough for plastic recycling in Indian context”

1530-1540 hrs	Extended Producers Responsibility: Experiential Learning	WeCare member organization
1540-1555 hrs	Inclusivity an essence of success while addressing environmental challenges	Dr Rachna Arora* Deputy Team Leader, GIZ
1555-1610 hrs	ULB leadership for creating partnerships for plastic waste management	ULB Commissioner
1610-1630 hrs	Technological breakthrough for plastic recycling in Indian context	Padam Shri, Prof R. Vasudevan* Dean, Thiagarajar college of Engineering
1630-1645 hrs	Leveraging global learnings on EPR implementation, for our societal setting	Dr Lakshmi Raghupathy* Former Director, Ministry of Environment, Forests and Climate Change Government of India
1645-1655 hrs	Q & A Session	Moderated by WeCare
1655-1700 hrs	Closing Remarks	WeCare Founding members

\* To be confirmed

## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

### Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"

Name of the Program: Webinar - International Plastic Bag Free Day

Date: 03<sup>rd</sup> July 2021

Details: On the occasion of International Plastic Bag Free Day, TCE ENVIS RP conducted a webinar. Dr. S. K. Nigam., CPCB Advisor, & Expert for Plastics & Solid Waste Management delivered a guest lecture on "An Overview of PWM Rules 2016/18"

Thiagarajar College of Engineering, Madurai  
Ek Bharat Shreshtha Bharat programme (EBSB)

**WEBINAR**  
"AN OVERVIEW OF PWM RULES, 2016/18"

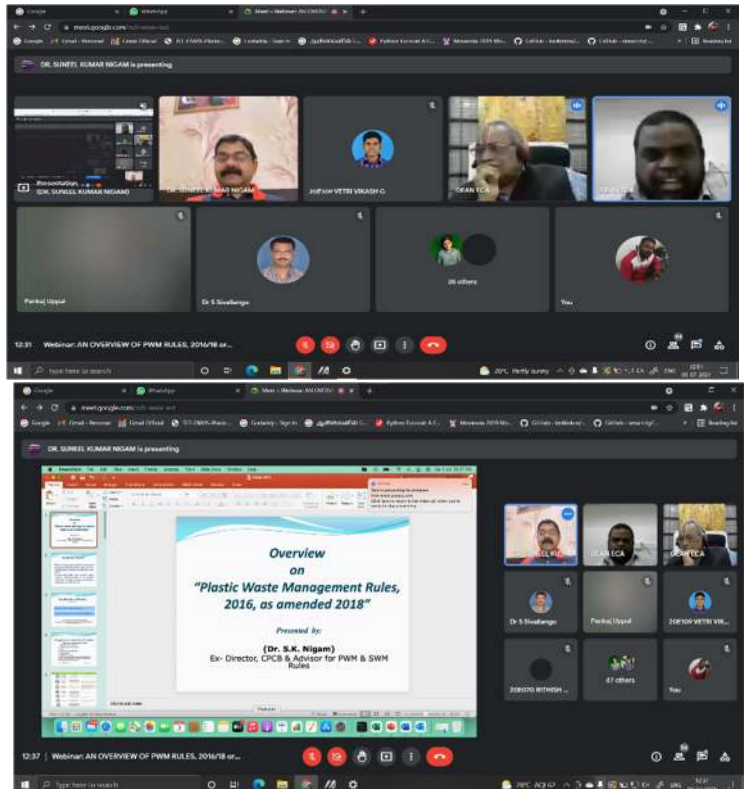
INTERNATIONAL PLASTIC BAG FREE DAY

TCE ENVIS RP  
[Resource Partner  
Plastic Waste Management]

Speaker:  
**Dr. S. K. Nigam**  
Ex-Director (CPCB)  
Central Pollution Control Board  
Advisor & Expert for Plastics & Solid Waste Management.

Google Meet joining info  
G-Meet ID: **nch-weav-eut** DATE: 03.07.2021 (SAT)  
PIN : **795 832 575#** TIME: 12:30 to 01:30 PM

Funded by, Ministry of Environment, Forest & Climate Change, Govt. of India.



Name of the Program: Webinar Conducted by Ecochirp Foundation

Date: 03<sup>rd</sup> July 2021

Details: Ecochirp Foundation organized a webinar on Shift in the pattern & generation of Plastic waste: Pre & Post Covid Outbreak". Dr.R. Vasudevan, Coordinator, TCE ENVIS RP, delivered a guest lecture on "Plastic Waste Management"

Don't Escape but Plan

Domestic	Awareness & Collection of Waste Double Bin / Man System, Students force
Industry	Owning Responsibility and Helping for the collection of Waste Producing Eco Friendly Products * C S R – Corporate Social Responsibility * E P R – Extended Producer Responsibility
Government	To implement the above processes effectively To implement the Laws sincerely

Say **no** to plastic pollution Say **yes** to Plastics

CHANGE

BE BUY BY BUY INDIAN

Make in India

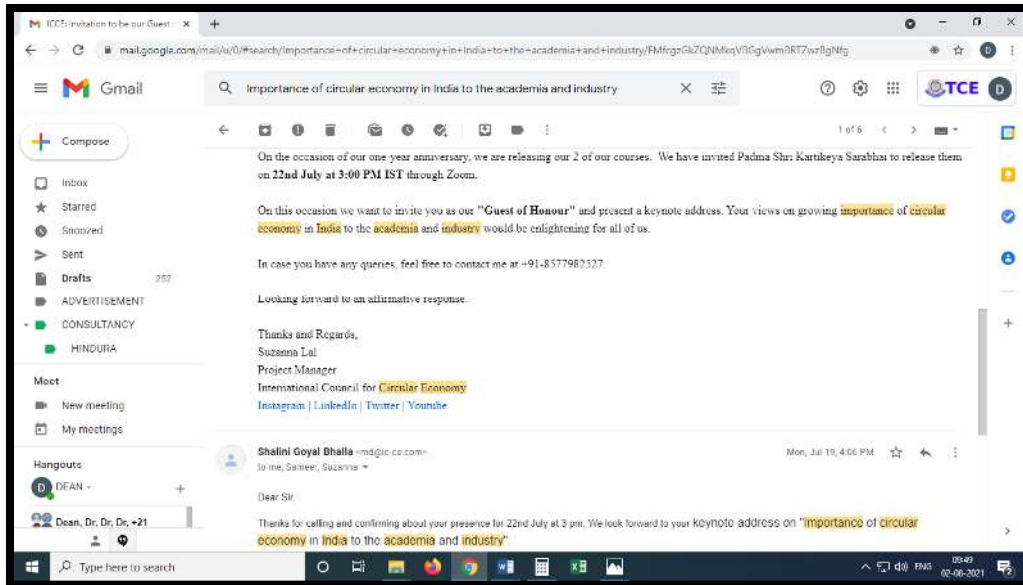
## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

### Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”

**Name of the Program:** Webinar Conducted by International Council for Circular Economy

**Date:** 22<sup>nd</sup> July 2021

**Details:** International Council for Circular Economy organized a lecture on “Importance of circular economy in India to the academia and industry” Dr. R. Vasudevan, Coordinator, TCE ENVIS RP delivered a guest Lecture on “Plastic Waste Management - Circular Economy”



**Name of the Program:** Webinar Conducted by Dr. Ambedkar Institute of Technology for Handicapped Awadhपुरi, Kanpur, U.P. (AICTE)

**Date:** 25<sup>th</sup> August 2021

**Details:** Dr. Ambedkar Institute of Technology for Handicapped Awadhपुरi, Kanpur, U.P. (AICTE) organized a development program on “Emerging Strategies in Waste Management Solutions”. Dr. R. Vasudeven., Coordinator, TCE ENVIS RP, delivered a lecture on “Plastic Think Differently”

A.I.T.H., Kanpur: ATAL FDP Schedule, Date: 23/08/2021 to 27/08/2021				
Date	Session Details	Timings	Name of the Person	Activity / Title Presentation
23 Aug 2021	Inaugural Session	09:45 am	Joining of Participants	Welcome address  Inaugural Speech
		10:00 am	Joining of Chief Guest & Guest of honour	
		10:00 – 10:05 am	Prof. Rachna Asthana, Director, A.I.T.H.	
		10:05 – 10:15 am	Prof. Ashok Pandey, Guest of honour	
		10:15 – 10:25 am	Prof. R. Vasudevan, Guest of honour	
		10:25 – 10:35 am	Address by Prof. Vinay Pathak, Chief Guest (Hon'ble VC, CSJMU, Kanpur)	
23 Aug 2021	Session 1	10:40 – 11:55 am	Prof. Ashok Pandey, IITR, Lucknow	Solid waste management: Do bio refineries offer sustainability for crop wastes management?
	Session 2	12:00 – 01:45 pm	Prof. R.S. Singh, I.I.T. BHU	Microbial Fuel Cell (MFC): An Innovative Technology for Waste Management along with Energy Production
	Session 3	03:00 – 4:45 pm	Prof. K.K. Pant, I.I.T. DELHI	Development of sustainable green technologies for the plastic and electronic waste management: Waste to Wealth Approach
24 Aug 2021	Session 4	10:00 – 11:45 am	Mr. Bineesha. P. IIWM	Technologies and Strategies in waste management for educational institution campuses
	Session 5	12:00 – 01:45 pm	Prof. B.N. Mishra, I.E.T. Lucknow	Exploring 3D bio printing solutions to overcome waste management challenges of COVID-19
	Session 6	03:00 – 4:45 pm	Dr. M.K. Gupta, CPPRI, Dehradun	Application of biotechnology in addressing the environmental concern of pulp & paper industry in India
25 Aug 2021	Session 7	10:00 – 11:45 am	Prof. R. Vasudevan, Thiagarajar College of Engineering Madurai	Plastic- Think Differently
	Session 8	12:00 – 01:45 pm	Prof. Ravish Singh, REC Kanauj	Waste Management Techniques for Sustainable Development
	Session 9	03:00 – 4:45 pm	Prof. Vishnu D., Southern Federal University, Russia	Nanotechnology, Applications, and Environmental Risk
26 Aug 2021	Session 10	10:00 – 11:45 am	Dr. Parthasarathi. Ramakrishnan, IITR, Lko	Environmental intervention strategies for sustainable development
	Session 11	12:00 – 01:45 pm	Prof. Shuchi Sinha, IITR, Lko	Fire Retardant Polymer Composites from Waste Polyethylene

## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

### Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"

#### About the Institute

Dr. Ambedkar Institute of Technology for Handicapped (A.I.T.H.) was established in 1997 at Kanpur, (U.P., India) by Government of Uttar Pradesh.

A.I.T.H. is an esteemed institute imparting technical education to students through undergraduate (B.Tech.) and Diploma level courses. The entire faculty of the institute is barrier free and committed to global vision of inclusiveness, where normal and divyang students study together.

The Undergraduate level course is open for both (normal and divyang) where as the diploma level courses are exclusively for divyangs.

#### Vision

To be an institution of excellence in engineering, research and innovation to produce skilled and trained manpower (Normal & Divyang) of the highest quality imbuing human values.

#### About the Department of Biotechnology

The Department commenced its academic journey in the year 2008 with a vision to create a strong teaching base in the area of Biotechnology through technical knowledge

#### Guests of Honour

**Prof. Ashok Pandey**  
Top scientist in Biotechnology  
(No. 1 in India and No. 8 in the world)

- Distinguished Scientist, CSIR-IITR, Lucknow.
- Executive Director (Honorary) at the CEES- India.

**Prof. R. Vasudevan**  
(Padma Shree Awardee, 2018)  
Thiagarajar College of Engineering-Madurai  
The Plastic Man of India

#### Registration

Participants can sign up and register for the program in AICTE/ ATAL website links:  
<https://www.aicte-india.org/atal>  
or  
<https://atalacademy.aicte-india.org/signup>

By Selecting Following:

**Title: Waste Technology: Emerging Strategies in Waste Management Solutions**  
**Level of FDP.: Elementary**  
**Mode of Delivery: Live web sessions through Online Platform**  
**Application No.: 1614766600**


**Registration Fee: No registration fee**

**Target Participants: Faculty members from AICTE approved institutions, Research Scholars, Industry personnel, PG students & participants from the Government organizations(Bureaucrats, experts and technicians).**

**Max. No. of Participants: 200 Nos.**

**Resource Persons: From IITs/NITs/Central & State Universities.**

#### Resource Persons

 Prof. S. K. Awasthi, Former Director HBTI, Kanpur	 Prof. Shahir Saha, IIT Roorkee	 Prof. K.K. Pant, IIT Delhi
 P. Binresha (Ms.) Executive Director, IIWM Bangalore	 Prof. R.S. Singh, IIT BHU	 Prof. B.N. Mishra, IET Lucknow
		

**Name of the Program:** Webinar Conducted by NSS - IIT Bombay

**Date:** 05<sup>th</sup> September 2021

**Details:** IIT Bombay Organized a Zero Waste Week Webinar. Dr. R. Vasudeven., TCE ENVIS Coordinator., delivered a lecture on "Innovation in Sustainability and Waste Management"



**ZERO WASTE WEEK**

Join us for a Panel Discussion on  
**INNOVATION IN SUSTAINABILITY AND WASTE MANAGEMENT**

Live on Youtube at  
@Tarang - NSS, IIT Bombay  
5th September 2021, Sunday  
4pm IST

 <b>Dr. Janak Palta McGilligan</b> (Padma Shri recipient, social worker)	 <b>Dr. Rajagopalan Vasudevan</b> (Padma Shri recipient, Popularly known as the 'Plastic Man of India')	 <b>Ms. Sumaira Abdulali</b> (Environmentalist, Popularly known as 'Minister of Noise')
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## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

### Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"

**Name of the Program:** CIPET conducted by 12th chapter of International Conference on Advancements in Polymeric Materials.

**Date:** 05<sup>th</sup> September 2021

**Details:** CIPET conducted by 12th chapter of International Conference on Advancements in Polymeric Materials. Dr. R. Vasudevan., TCE ENVIS Coordinator., delivered a lecture on "Recovery and Reuse of Landfill Plastics"

DEPARTMENT OF CHEMICALS AND PETROCHEMICALS		
Swachhta Pakhwada		
Central Institute of Petrochemicals, Engineering & Technology (CIPET)		
Date: 08.09.2021, Wednesday		
Subject: Responsible Use of Plastics		
Minutes to Minutes programme		
S.No.	Timing	Inaugural Session
1.	10:30 am to 10:35 am	Welcome of the Dignitaries: Panel Experts by Shri Samir Kumar Biswas I.A.S., Addl. Secretary, DCPC, MoC&F, Govt. of India & Director General, CIPET
2.	10:35 am to 10:45 am	Inaugural Address by Shri Bhagwanth Khuba, Hon'ble Minister of State in the Ministry of Chemicals & Fertilizers and in the Ministry of New and Renewable Energy, Govt. of India
3.	10:45 am to 10:50 am	Vote of thanks by Shri Kashi Nath Jha, Joint Secretary, Department of Chemicals and Petrochemicals, Govt. of India
Technical Session		
4.	11:00 am to 11:15 am	Recover & Recycle of Land Fill Plastic Waste Prof. (Dr.) Rajagopalan Vasudevan, Thiagarajar College of Engineering, Madurai
5.	11:15 am to 11:30 am	E-Waste Recycling Shri Saurabh Gupta Head –EASA, Namo E-Waste Management Ltd.
6.	11:30 am to 11:45 am	Circular Economy & Extended Producer's Responsibility(EPR) issues Shri Sandeep Patel, Chief Executive Officer, NEPRA Resource Management Pvt. Ltd, Ahmedabad
7.	11:45 am to 12:00 noon	Scalable Business Model of Indian Waste Management Smt. Wilma Rodrigues Founder & CEO, Saahas Zero Waste, Bangalore
8.	12:00 noon to 12:15 pm	Panel Discussion (Q&A) by Experts
9.	12:15 noon to 12:20 pm	Vote of Thanks by Shri Kashi NathJha, Joint Secretary (PC), DCPC, MoC&F, Govt. of India

**Name of the Program:** Webinar on "Awareness on Single Use Plastics"

**Date:** 11<sup>th</sup> September 2021

**Details:** TCE ENVIS RP conducted a Webinar on "Awareness on Single Use Plastics". Dr. Sameer Joshi, Industrialist-Plastic Manufacturing Industry, ICPE delivered a lecture on the guidelines of Single Use Plastics

**TCE ENVIS RP**  
ENVIS Resource Partner - Plastic Waste Management  
Thiagarajar College of Engineering, Dept. of Chemistry, Madurai

# WEBINAR

## "Awareness on Single Use Plastics"

Today the Single Use Plastics are becoming major threat to the environment due to its mishandling and improper disposal. To provide an awareness on single use plastic TCE ENVIS RP organizing this webinar.

**Speaker**  
**Dr. Sameer Joshi, Industrialist,**  
Hon Treasurer Governing Council Indian Plastics Institute  
and Senior Member Society of Plastic Engineers USA  
GUINNESS WORLD RECORD TEAM: WORLD'S LARGEST  
T SHIRT MADE OUT OF PLASTIC RECYCLED BOTTLES

**NOT TO BAN PLASTICS BUT TO PLAN FOR SOLUTIONS**

**SESSION DETAILS**  
Date: 11.09.2021  
Time: 11:00 to 12:30 PM

**WEBEX ID:**  
Meeting number: 2518 934 9749  
Password: QpBp3ZDr572

**VISIT US**  
Web: WWW.TCEENVIS.IN  
Email: FWM@TCEENVIS.IN

<https://tce.edu.webex.com/j.php?MTID=m0075f6e3c61c70b5e3d238808e44439>



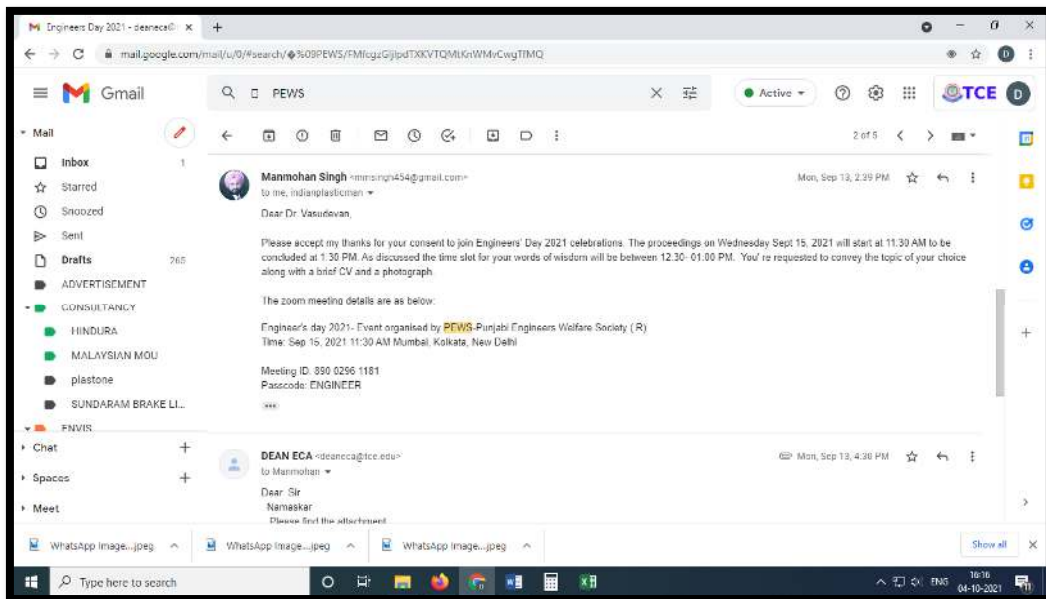
## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

### Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”

**Name of the Program:** Webinar - organized by PEWS-Punjabi Engineers Welfare Society

**Date:** 15<sup>th</sup> September 2021

**Details:** PEWS-Punjabi Engineers Welfare Society (R) organized a webinar on “**Municipal Solid Waste Management**”. Dr. R. Vasudeven., TCE ENVIS Coordinator., delivered a lecture on Plastic Road Laying.



**Name of the Program:** Policy Advocacy Research Centre WARSA- Waste as Resource by changing Stakeholders Approach Launch Event

**Date:** 25<sup>th</sup> September 2021

**Details:** Policy Advocacy Research Centre WARSA organized a webinar on “Waste as Resource” by changing Stakeholders Approach Launch. Dr. R. Vasudeven., TCE ENVIS Coordinator., delivered a lecture on “**Plastics - Not to Ban But to Plan**”

A poster for a report launch event. The title is 'WARSA- Waste As Resource by changing Stakeholders' Approach'. The event is on 'Date- 25th September, 2021' at 'Time- 12.00 PM (IST)'. The event is organized by PARC (Policy Advocacy Research Centre). The poster lists nine guest speakers and their topics. The speakers are: MS. AAFRIN KIDWAI (Editor-in-Chief SolidWasteIndia), MR. AMAR SINGH (Secretary General Material Recycling Association India), DR. AMIYA SAHU (Founder National Solid Waste Association India), MR. PRABHJOT SODHI (Senior Program Director Centre for Environment Education), PADMASHREE DR. R. VASUDEVAN (Coordinator TCE ENVIS RP, Dean TCE and Professor Dept. Of Chemistry, TCE), MR. RAMDAS KOKARE (Commissioner KEMC, Mumbai), MR. SANDEEP ASOLKAR (Managing Director SIC Environmental Technologies Pvt. Ltd), and MR. ULHAS PARLIKAR (Chief Consultant Waste Management, Circular Economy, Co-Processing). The poster also includes a call to action: 'We cordially invite you to the event!' and social media icons for LinkedIn and Facebook. At the bottom, it provides the address of PARC: '208, Shalaji Centre, 40, B.D. Ambekar Road, Wadga, Mumbai - 400031. Phone: 22-2416 0730 | contact@parcnet.org | www.parcnet.org'.

## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

### Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”

Name of the Program: Webinar - Conducted by CIPET –KOCHI Central Institute of Petrochemicals Engineering & Technology

Date: 28.11.2021.

Details: CIPET –KOCHI Central Institute of Petrochemicals Engineering & Technology organized a webinar on Technology Clinic Plastics Recycling and Waste Management. Dr. R. Vasudeven., TCE ENVIS Coordinator., delivered a lecture on “Wealth Out of Waste – New product Developed from Plastic Waste”

The banner features logos for the Department of Industries & Commerce, Government of Kerala, and CIPET RP. It includes a registration link: [https://docs.google.com/forms/d/e/1FAIpQLSeAv2lH9iUfY9wpA-1f5nILTSGSDnfnTFIkjEpe-gIQ0R\\_U\\_w/viewform](https://docs.google.com/forms/d/e/1FAIpQLSeAv2lH9iUfY9wpA-1f5nILTSGSDnfnTFIkjEpe-gIQ0R_U_w/viewform) and a 'CLICK HERE TO REGISTER NOW' button. It also lists the programme schedule (28th September, 2021, 10:30 AM to 12:30 PM), key note address by Shri. HARIKISHORE IAS, and eminent speakers K.A. RAJESH and Prof (Dr) R. Vasudevan. A 'CLICK HERE FOR JOIN ZOOM MEETING' button and meeting details (ID: 471 232 2883, Passcode: 123456) are also present.

Name of the Program: Webinar Conducted by JNU ENVIS

Date: 06<sup>th</sup> October 2021

Details: JNU ENVIS organized a Campaign against Single Use Plastic on 06.10.2021. Dr. R. Vasudeven., Coordinator, TCE ENVIS RP, delivered a lecture on “Avoiding end Eliminating use of Single Use Plastics”.

The poster is for an 'Iconic Week from 4th to 10th October, 2021' during the 75th anniversary of India's independence. It features logos of JNU, MoEFCC, and other organizations. The main title is 'Campaign Against Single Use Plastic' and the featured talk is 'Invited Popular Talk By Padma Shri Prof Rajagopalan Vasudevan' on Wednesday, October 6, 2021, from 3-4 pm. A bio of Prof. Vasudevan is provided, along with a photo of him. The registration link is [shorturl.at/jnsMR](http://shorturl.at/jnsMR) and it notes that an E-certificate will be provided to participants. The event is organized by JNU ENVIS Resource Partner on Biodiversity & Impact on Environment, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi.

## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

### Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”

**Name of the Program: Webinar organized by TERI ENVIS**

**Date: 08<sup>th</sup> October 2021**

**Details:** TERI ENVIS organized a webinar on Plastic Waste Management and Impact on Human Health on 08.10.2021. Dr. R. Vasudeven., Coordinator TCE ENVIS RP, delivered a Guest lecture on “Recovery Reuse and Recycling of Plastic Waste”.

Time	Area/Topic of Discussion	Resource Person
14:45 -15:00 hrs	Joining Calls (After joining please mute your mikes)	
15:00 -15:10 hrs	Session coordination & Introduction of Experts	Ms Pallavi Singh, Associate Fellow, Senior Programme Officer, TERI ENVIS, New Delhi
15:10 - 15:20 hrs	Welcome Address and overview of the programme	Dr. P. K. Bhattacharya, Senior Fellow, Associate Director & ENVIS Coordinator, TERI, New Delhi
15:20 -15:35hrs	Overview about ENVIS Scheme	Shri Arun Kumar <sup>2</sup> Senior Economic Advisor Ministry of Environment, Forest & Climate Change, Government of India, New Delhi
<b>Technical session on Plastic Waste Management and impact on Human Health</b>		
15:35 -15:50 hrs	Effects of plastic debris in the environment and on Human Health	Dr. Ashish Chaturvedi, PhD Director-Climate Change Environment, Climate Change, Natural Resource Management Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH New Delhi
15:50 - 16:05hrs	Rational Use of plastics: Measures we should follow	Dr. Sumeet Pandey , Director & Senior Fellow , Environment & Waste Management Division, TERI, New Delhi
16:05 -16:20 hrs	Recovery, Reuse and Recycling of Plastic waste	Dr R Vasudevan Dean ECA , Professor Chemistry and Coordinator TCE ENVIS Thiagarajar College of Engineering Thirupavankundram, Madurai, Tamilnadu
16:20 -16:30 hrs	Interactive session and summing up	Ms Pallavi Singh, Associate Fellow, Senior Programme Officer, TERI ENVIS, New Delhi

\* To be confirmed

**Name of the Program:** The Policy Times organized 378<sup>th</sup> Policy-Web-Summit on India's Plastic Policy

**Date:** 08<sup>th</sup> October 2021

**Details:** The Policy Times organized 378<sup>th</sup> Policy-Web-Summit on India's Plastic Policy on 08.10.2021. Dr. R. Vasudeven., Coordinator., TCE ENVIS RP delivered a guest lecture on “Plastic Waste Management and Impact on Human Health”.



**THE POLICY TIMES**







**THE POLICY TIMES 378<sup>TH</sup> POLICY-WEB-SUMMIT SERIES**

**THE POLICY TIMES PRESENTS**

## INDIA'S PLASTIC POLICY

FRIDAY 8<sup>TH</sup> OCTOBER | 4:00PM - 5:30PM (IST)

ORGANISING COMMITTEE



DR. P. SEKHAR  
Chairman,  
Unleashing India,  
Global Smart City Panel, MITC



PRASHANT BHANDARI  
Plastic Man of India & Professor & Dean, Thiagarajar College of Engineering, Madurai



SHALINI GOVIL BHALLA  
MD, International Council for Climate Economy & Committee Member, City Waste and C&E Waste & W&A Dept



MICHAEL BADA  
Founder INDUSTRY 5.0 & President-IBCSO

SPEAKERS

ORGANISING COMMITTEE



AKHIL HOQUE  
Founder Editor  
The Policy Times



DR. BIPIN KUMAR BAI  
EHS Head  
Candorian Tyres India



MOHD SHAMEEM KHAN  
EHS and Sustainability Head - IC&E TIC Limited



MR. AKSHAYA BATH  
Chief Executive Officer  
EcoS&



DEBARTHA BANERJEE  
Officer and Director  
Sustainable Environment  
Solutions Pvt. Ltd.

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**OUR PARTNERS**








EXPERIENCE EASY LEARNING

## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

### Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”

**Name of the Program: Webinar – Gandhiji and Swachh Bharat**

**Date:** 12<sup>th</sup> October 2021

**Details:** TCE ENVIS RP organized a webinar on “Swachh Bharat” Dr. T. Ravichandran, Teaching Faculty, Department of Gandhian, thoughts Gandhigram and Rural Institute delivered a lecture on “Gandhiji and Swachh Bharat”.

THIAGARAJAR COLLEGE OF ENGINEERING, DEPT. OF CHEMISTRY, MADURAI

# WEBINAR

On *Gandhiji & Swachh Bharat*

OUR PLACE PLANET RESPONSIBILITY

DATE : 12.10.2021 TIME : 11:30 AM Join via Webex

Meeting No: 2511 431 8333 Password: YhwjNTVt685 (or) Scan QR

Our Speaker: **Dr. T. Ravichandran, Teaching Faculty,**  
Dept of Gandhian Thought & Peace Science,  
Director, Museum of Gandhian Constructive Programmes,  
Gandhigram Rural Institute - Deemed to be University.

Webinar organized by TCE ENVIS RESOURCE PARTNER ON PLASTIC WASTE MANAGEMENT,  
FUNDED BY MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE, GOVERNMENT OF INDIA

[pwm@tceenvi.in](mailto:pwm@tceenvi.in) [tceenvi](https://www.facebook.com/tceenvi) [tceenvi](https://www.instagram.com/tceenvi) [tceenvi](https://www.youtube.com/tceenvi) [www.tceenvi.in](http://www.tceenvi.in)

**Name of the Program:** International Symposium of Biotechnology and Biochemical Engineering Webinar Conducted by Amity University Uttar Pradesh,

**Date:** 27<sup>th</sup> October 2021

**Details:** Amity University Uttar Pradesh, conducted an International Symposium of Biotechnology and Biochemical Engineering 2021 on 27.10.2021. Dr. R. Vasudeven., TCE ENVIS Coordinator., delivered a lecture on “Waste Management and Innovation for Valorization: Sustainable World and Future”.

**AMITY UNIVERSITY**  
UTTAR PRADESH

AMITY INSTITUTE OF BIOTECHNOLOGY  
CENTRE FOR BIOTECHNOLOGY & BIOCHEMICAL ENGINEERING  
AND  
AMITY UNIVERSITY, KOLKATA  
ORGANIZED BY

**INTERNATIONAL SYMPOSIUM OF BIOTECHNOLOGY AND  
BIOCHEMICAL ENGINEERING (ISBBE-2021)**

**WASTE MANAGEMENT AND INNOVATION FOR  
VALORIZATION: ENROUTE A SUSTAINABLE  
WORLD AND FUTURE**

OCTOBER 26-27, 2021 || VIRTUAL PLATFORM

### KEYNOTE SPEAKERS

 Prof. Rajagopalan Vasudevan, Padma Shri Recipient Chennai, India	 Prof. Ashok Pandey, Distinguished Scientist CSIR-Indian Institute of Toxicology Research, Lucknow, India	 Prof. Nagamani Balgururamany Autonomous University of Coahuila, Mexico	 Dr. Sangeta Kestur, Scientist G, Head, Centre of Bioenergy Dept. of Biotechnology, India
 Dr. Helena Gomes University of Nottingham, U.K.	 Prof. Anshree Malik Indian Institute of Technology, Delhi, India	 Prof. Prang B. Gogate Institute of Chemical Technology, Mumbai, India	 Mr. Kumar Subhramo Founder, Arunagreen Company, Bangalore, India

## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”

**LS-SERIES'21**  
Lecture Series on Science & Engineering Research leading to Innovation, Entrepreneurship and Scholarship

**TOPIC**  
**Sustainable Plastic Waste Valorization**  
8<sup>th</sup> Oct '21, 11:00 hrs

**(Padma Shri) Dr. Rajagopalan Vasudevan**  
Coordinator TCE ENVIS RP, Dean ECA and Professor  
Dept. of Chemistry, Thiagarajar College of Engineering

Prof. R. Vasudevan is the Dean & Professor, Department of Chemistry, Thiagarajar College of Engineering, Madurai, Tamil Nadu, and has over 42 years of teaching experience. Born on January 30th 1945, Prof. Vasudevan received his Bachelor, Post Graduate and Doctorate degrees in Chemistry from University of Madurai.

Prof. R. Vasudevan is a man on a mission to clean India from plastic waste. He believes that plastic is a poor man's friend and hence banning plastics altogether, is not a sustainable solution. As the world grapples to find solutions to dispose plastic waste, Prof. Vasudevan, with his experience, has cracked the code and developed an innovative eco-friendly process (Patent A/C/17/19/20) for making roads with plastic waste. True to the Indian value system imbued by him from his elders, he chose to share this technology with the Government of India for free, instead of making a fast buck by transferring it to private firms.

Prof. Vasudevan's city process is recognised by Indian Road Congress, which released the code (IRC:SP-99:2013) for this process, and more than one lakh km of plastic-tar road has so far been laid throughout India in more than 11 states.

He was honored with several awards like: SASTRA Tech Icon of India award-2015 under Swachh Bharat scheme, presented by Honourable Prime Minister Mr. Narendra Modi; Tiphin Award by Tamil Nadu Plastics Manufacturers Association, Maharastra, Uda. Singh Award-2017, Dr. Abdul Kalam Innovation Governance Award-2018. In 2018 he was awarded the prestigious Padma Shree Award for his work on plastic-waste valorization.

Prof. Vasudevan is equally concerned in improving the ethical values of life, particularly among students through spreading the values of SRIMATHI BHAGAWATHI GITA.

**VIRTUAL LINK**  
<https://www.facebook.com/ictindia/live>  
<https://www.youtube.com/csinichyderabad/live>  
<https://www1.csinict.in/lsseries2021>

Name of the Program: Celebration of National Soil Day - Webinar


Date: 08<sup>th</sup> December 2021

Details: National Soil Day was celebrated on 08/12/2021 at TCE ENVIS RP. Dr. G. Balaji., Professor, Department of Architecture, delivered a guest Lecture on “Soil and Life”

Thiagarajar College of Engineering, Madurai

**SEMINAR**  
on account of Soil Day - 05.12.2021  
**SOIL & LIFE**

OUR KEYNOTE SPEAKERS

  
**Dr. G. Balaji**  
Professor, Dept. of Arch,  
Thiagarajar College of Engineering, Madurai

**DATE: DEC 08 2021 @ 10:00 AM**  
**VENUE: TCE ENVIS RP - SEMINAR HALL**

**TCE ENVIS RP**  
ENVIS RESOURCE PARTNER ON PLASTIC WASTE MANAGEMENT  
FUNDED BY MINISTRY OF ENVIRONMENT FOREST AND CLIMATE CHANGE

World Soil Day 2021 - Theme  
“Halt soil salinization, enhance soil production”

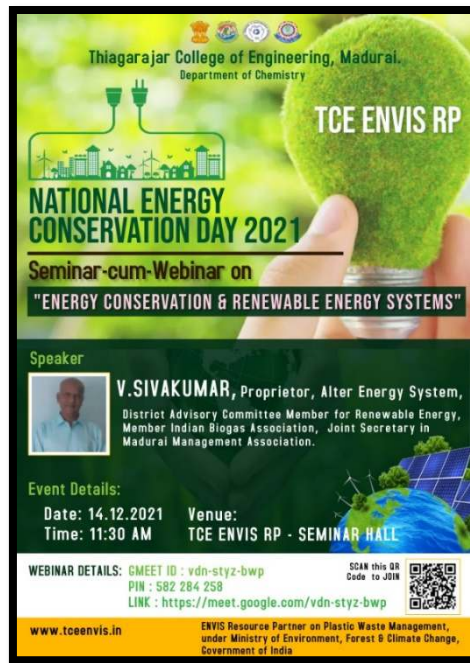
## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

### Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”

Name of the Program: Celebration of National Energy Conservation Day – Webinar

Date: 14<sup>th</sup> December 2021

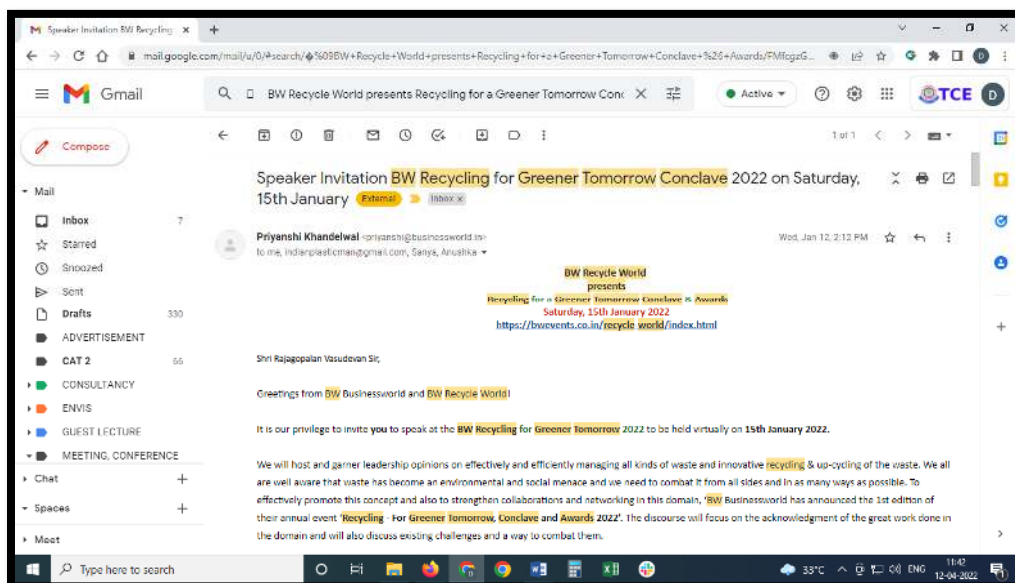
Details: National Energy Conservation Day 2021 was celebrated on 14.12.2021. Mr. V. Sivakumar., Proprietor, Alter Energy Systems, delivered a lecture on “Energy Conservation & Renewable Energy Systems”



Name of the Program: Recycling – for Greener Tomorrow Conclave and Awards 2022, Organized by BW Business World

Date: 15<sup>th</sup> January 2022

Details: BW Business World organized a Conclave on “Recycling for a Greener Tomorrow Conclave & Awards. Dr. R. Vasudevan, TCE ENVIS RP Co-ordinator, TCE ENVIS RP delivered a keynote address on “Plastic Waste Management”



**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

**Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"**

**Name of the Program: Celebration of World Wet Land Day – Webinar**

**Date: 02<sup>nd</sup> February 2022**

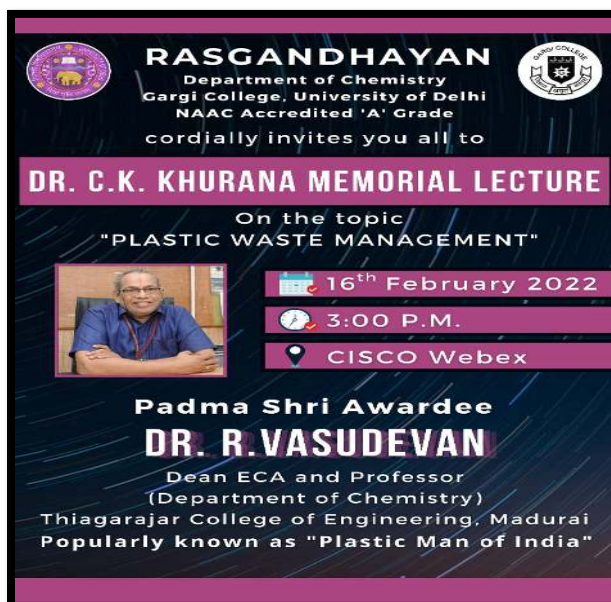
**Details:** TCE ENVIS RP conducted a Webinar on World Wet land day. Dr. John C. Mathew, Environment Programme Manager, Directorate of Environment and Climate Change, Govt. of Kerala, delivered a lecture on "Wet lands Actions for People and Nature".



**Name of the Program: Dr. C. K. Khurana Memorial Lecture - Webinar organized by Gargi College, University of Delhi**

**Date: 16<sup>th</sup> February 2022**

**Details:** Gargi College, University of Delhi., organized a webinar on the occasion of Dr. C. K. Khurana Memorial Lecture. Dr. R. Vasudevan, Coordinator, TCE ENVIS RP delivered a guest lecture on "Plastic Waste Management"



## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”

Name of the Program: Celebration of National Science Day - Webinar

Date: 16<sup>th</sup> February 2022

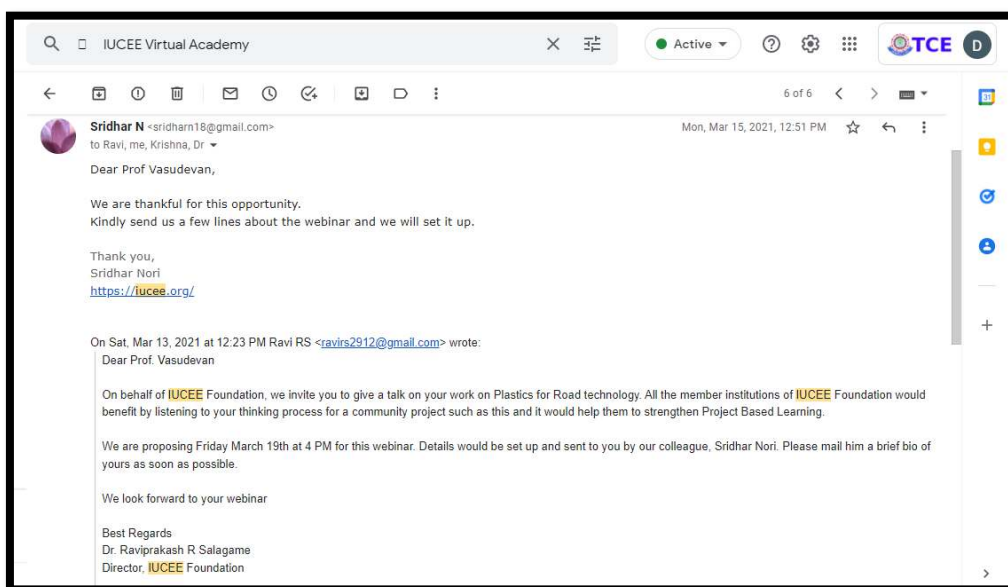
Details: TCE ENVIS RP conducted a Seminar on National Science Day. Dr. M. Sivaraman., Former Professor, Department of Physics, Gandhigram Rural Institute, Gandhigram, delivered a guest lecture on “Science in Everyday Life an Integrated Approach of Ancient and Modern Technology”



Name of the Program: IUCEE foundation organized a Webinar.

Date: 19<sup>th</sup> March 2022

Details: IUCEE Virtual Academy organized a Webinar Dr. R. Vasudevan, Coordinator, TCE ENVIS RP delivered a guest lecture on “Plastics for Road Technology”

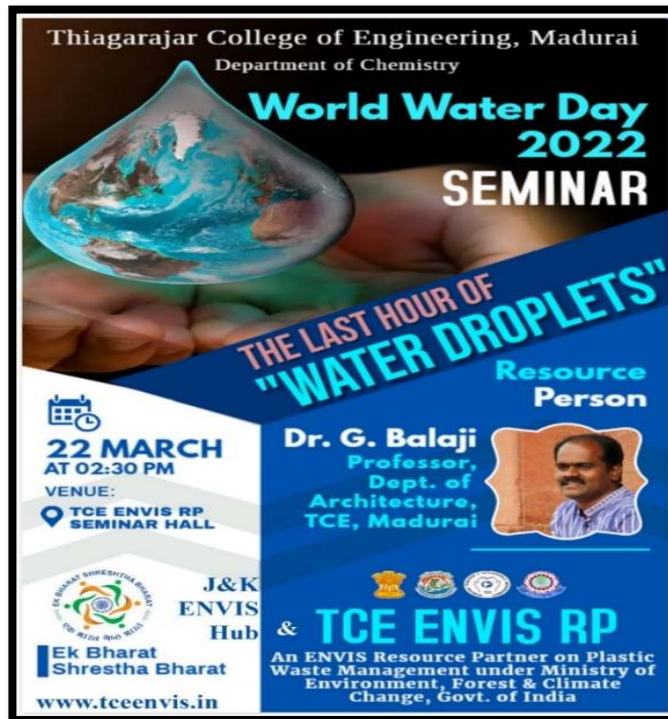




**Name of the Program: Celebration of World Water Day – Webinar**

**Date: 22<sup>nd</sup> March 2022**

**Detail:** On the occasion of World Water Day, TCE ENVIS RP organized a Seminar, Dr. G. Balaji., Professor, Dept. of Architecture, TCE, delivered a lecture on the theme of "The Last Hour of Water Droplets"



## **Activities / Outreach Activities**

### **Projects**

#### **Establishment of Plastic Waste Management Facility**

As a part of its major activity on curbing the pollution created by wrong disposal/management of Single Use Plastics, TCE ENVIS RP is helping waste management entrepreneurs in establishing **plastic waste management facility**. At PWMF, the facility collects the single use plastic waste from the houses and also from the streets. They use the rag pickers for collecting the waste plastics. The rag pickers sell the single use waste plastic at the PWMF for a nominal cost.

After receiving the waste plastics from the rag pickers, the PWMF shreds the waste plastics using a shredding machine to a size to be used in plastic tar road laying. The shredded waste plastics is stored in PWMF for selling to road laying department. The road laying department will buy the waste plastics from the PWMF and use it for plastic tar road laying.

One such PWMF was recently established at Srivilliputhur, Virudhunagar District, on 03/08/2021

# Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

## Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"

The Major work of PWWF

1. Collection of Single Use Waste Plastics
2. Shredding of waste plastics
3. Supplying of waste plastics for road laying and other reuse/recycle processes

**PWWF**  
Plastic Waste Management Facility

**VISION**  
To join hands for making the sustainable environment

**MISSION**  
Supporting in the collection of Waste Plastic, Shredding it for Road Making & Other process

**Join hands with TCE ENVIS RP**  
A Resource Partner on Plastic Waste Management, under Ministry of Environment, Forest & Climate Change, Govt. of India.

**PWWF BENEFITS**

- Protects Environment from Plastic Pollution
- Opens path for Sustainability
- Provides Business Opportunity
- Helps to provide employability
- Enhances Waste Collection System
- Supports for Plastic Tar Road Laying
- Helps in Other Product Developments

**OUR FACILITIES**

- Real Hands on Training
- Technical Support
- Establishment Support
- Business Opportunity Guidance
- Long Term Support & Etc.

EMAIL: [PWM@TCEENVIS.IN](mailto:PWM@TCEENVIS.IN)  
WEB: [WWW.TCEENVIS.IN](http://WWW.TCEENVIS.IN)

TCE ENVIS RP, Thiagarajar College of Engineering, Dept. of Chemistry, Madurai. (Funded by Ministry of Environment, Forest & Climate Change, Govt. of India.)

**Greenowill Plastic Waste Management facility**  
**OPENING CEREMONY**

**கிறிப்பி விழா**

**GREENOWILL WASTE PLASTIC MANAGEMENT INAUGURATION CEREMONY**

**OUR TCE ENVIS RP TEAM proudly inaugurated the 1st Plastic Waste Management Facility. Established by Greenowill Waste Management Company under guidance & Technical Support of TCE ENVIS RP**

ON 03.08.2021 AT SRIVILLIPUTHUR

**GREENOWILL**  
PLASTIC WASTE MANAGEMENT FACILITY  
Mamsapuram Main Road, Ponankanni Village Srivilliputhur

Technically Supported by

**TCE ENVIS RP**  
ENVIS RESOURCE PARTNER - PLASTIC WASTE MANAGEMENT  
Under Ministry of Environment, Forest & Climate Change, Government of India  
Hosted at Thiagarajar College of Engineering, Dept. of Chemistry, Madurai

Thiagarajar College of Engineering, Madurai  
Dept. of Chemistry

**TCE ENVIS RP**  
[Under Ministry of Environment, Forest & Climate Change, Govt. of India.]

**1st**

**Establishment of Mini Plastic Waste Management Facility**  
Under **TCE ENVIS RP** Guidance and Technical Support

at Srivilliputhur by Greenowill Plastic Waste Management

We extended our chain

TCE ENVIS RP Greenowill

**Special Activities**

**Name of the Program:** TCE ENVIS RP Team visited Ms. M.M. Forgings Limited., Virialimalai, Trichy.

**Date:** 25<sup>th</sup> August 2021

**Details:** TCE ENVIS RP Team visited Ms. M.M. Forgings Limited, Virialimalai, Trichy. Discussion on the use of the Waste from the company on 25.08.2021



**Name of the Program:** GSDP Course on “Waste Management” organized by ENVIS DZUM University of Madras Chennai.

**Date:** 18.03.2022

**Details:** ENVIS DZUM conducted a GSDP course on “Waste Management”, Dr. A. Ramalinga Chandrasekar, Co-ordinator, TCE ENVIS RP delivered a lecture on “**Plastic Waste Management**”



## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

### Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"

Name of the Program: **World Ozone Day**

Date : 16 September 2021.

Details: On the occasion of World Ozone Day 2021. TCE ENVIS RP conducted a Drawing Competition for school students on the theme "Save Ozone Layer"

தீயாகராஜர் பொறியியல் கல்லூரி, வேதியியல் துறை, மதுரை-15

16 SEP 2021 உலக ஒசோன் தினம் **ஓவியப் போட்டி**

பள்ளி மாணவர்களுக்கான ஓவியப் போட்டி  
"ஒசோன் மண்டலத்தின் பாதுகாப்பு இன்றைய தேவை"

அன்பு மாணவர்களே, உங்கள் கைகளால் வரைந்த அழகிய வண்ண ஓவியங்கள் வரவேற்கப்படுகின்றன. ஓவியங்கள் ஒசோன் மண்டலத்தின் பாதுகாப்பு குறித்த விழிப்புணர்வு ஓவியமாக இருக்க வேண்டும்.

<b>பிரிவு-1</b> 3 - 5 வகுப்பு	<b>பிரிவு-2</b> 6 - 8 வகுப்பு	<b>பிரிவு-3</b> 9 - 12 வகுப்பு
----------------------------------	----------------------------------	-----------------------------------

\* பங்குபெறும் மாணவர்கள் அனைவருக்கும் சான்றிதழ் வழங்கப்படும்  
\* வெற்றி பெறும் மாணவர்களுக்கு பாராட்டு சான்றிதழ் வழங்கப்படும்  
\* ஒரு போட்டியாளர் ஒரு ஓவியம் மட்டுமே அனுப்ப வேண்டும்  
\* போட்டி அமைப்பாளர் தீர்ப்பே இறுதியானது

ஓவியங்களை [pwm@tceenvis.in](mailto:pwm@tceenvis.in) என்ற மின்னஞ்சல் முகவரிக்கு அனுப்ப வேண்டும். **15.09.2021** அன்று அவ்வது அதற்கு முன் சமர்ப்பிக்கவும்

[www.tceenvis.in](http://www.tceenvis.in) 9442419316

**Prizes**  
1<sup>st</sup> Prize Rs. 500/-  
2<sup>nd</sup> Prize Rs. 300/-  
3<sup>rd</sup> Prize Rs. 200/-

**TCE ENVIS RP**  
Resource Partner on Plastic Waste Management  
Funded by: Ministry of Environment, Forest & Climate Change, Govt. of India

### Drawing Competition Images



**Price Distribution for Drawing Competition Winners**

**PART : 1 (3<sup>rd</sup> Standard to 5<sup>th</sup> Standard)**



**PART : 2 (6<sup>th</sup> Standard to 8<sup>th</sup> Standard)**



**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

**Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"**

**PART : 3 (9<sup>th</sup> Standard to 12<sup>th</sup> Standard)**



**Name of the Program: Celebration of World Forest Day - Competition on Drawing & Speech**

**Date: 21<sup>st</sup> March 2022**

**Details:** on the occasion of World Forest day. TCE ENVIS RP conducted the Drawing and Vocal Competition for Panchayat Union Middle School students at Sambakulam, Thirumangalam Madurai District

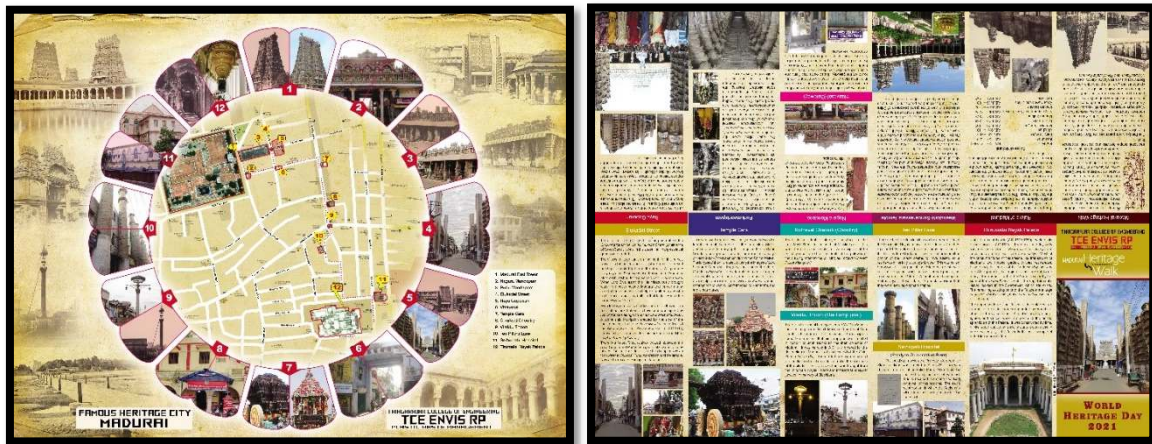


**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

**Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"**



**World Heritage Day – Celebration Handouts**



## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

### Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”

## Covid – 19 Awareness Poster

நான் ஒரு கொரோனா நோய் பரப்பும் மனிதனா ????

ஆம்	இல்லை
* நான் முகக்கவசம் அணியவில்லை	* நான் முகக்கவசம் அணிந்துள்ளேன்
* நான் சமூக இடைவெளியை கடைபிடிப்பது இல்லை	* நான் சமூக இடைவெளியை கடைபிடித்துள்ளேன்
* நான் என் கைகளை கத்தம் செய்வது இல்லை	* நான் என் கைகளை நன்கு சோப்பு போட்டு கத்தம் செய்கிறேன்
* நான் கொரோனா நோயை பற்றி அறிந்தும், அக்கறை இல்லை	* நான் கொரோனா நோயை பற்றி நன்கு அறிந்துள்ளேன்
* நான் கொரோனா நோய் தடுப்பு மருந்து செலுத்தப் போவதில்லை	* நான் கொரோனா நோய் தடுப்பு மருந்து செலுத்தி உள்ளேன்
* நான் என் சமுதாயத்தின் மீது அக்கறை கொண்டவன் இல்லை	* நான் என் சமுதாயத்தின் மீது அக்கறை கொண்டுள்ளேன்
* ஆதலால் நான் கொரோனா பரவலை பற்றி கவலை கொள்ளப் போவதில்லை	* ஆதலால் நான் கொரோனா நோய் பரப்பும் மனிதனாக இருக்க விரும்பவில்லை

Thiagarajar College of Engineering, Madurai (Dept. of Chemistry)  
TCE ENVIS RP Mail: [pwm@tceenvis.in](mailto:pwm@tceenvis.in)  
Web: [www.tceenvis.in](http://www.tceenvis.in)  
Resource Partner on Plastic Waste Management  
Funded by Ministry of Environment, Forest & Climate Change, Govt. of India

## World Ozone Day – Celebration Prevention of the Ozone Layer Depletion - Brochure

**Join Hands on Protecting**

**Helping In Your Own Small Way**

The 1985 discovery of the Antarctic hole was a wake-up call for all of us. It clearly shows that our actions can and will affect our planet. There are many small ways in which you can help.

- Remember the 3Rs, Reduce - Reuse - Recycle.
- If you can walk or take the train or bus, please do so.
- This helps cut down on pollution caused by vehicle emissions.
- Buy energy efficient household appliances.
- Conserve energy.
- Use only household products that are Eco-friendly.
- Stop using Pesticides.
- Plant more trees.

Humanity once responded to the ozone layer crisis. We don't need another crisis to take action we can do our share now and prevent a crisis from happening again.

TCE ENVIS RP  
RESOURCE PARTNER  
PLASTIC WASTE MANAGEMENT

Hosted by,  
Thiagarajar College of Engineering,  
Funded by,  
Ministry of Environment, Forest & Climate Change, Govt. of India

OZONE LAYER

WORLD OZONE DAY

SEPTEMBER 16

2021 PRESENTS

Montreal Protocol - Keeping us, our food and vaccines cool.

48y 106d 12h 59m 54s

Time left to recovery of the ozone hole

AROUND THE PLANET

TCE ENVIS RP

RESOURCE PARTNER ON PLASTIC WASTE MANAGEMENT  
Funded by, Ministry of Environment, Forest & Climate Change, Govt. of India.  
[www.tceenvis.in](http://www.tceenvis.in)

Thiagarajar College of Engineering, Dept. of Chemistry, Madurai

TCE ENVIS RP Digital ID's

[f tceenvisrp](https://www.facebook.com/tceenvisrp)  
[@tceenvisrp](https://www.instagram.com/tceenvisrp)  
[pwm@tceenvis.in](mailto:pwm@tceenvis.in)  
[www.tceenvis.in](http://www.tceenvis.in)

**Facts about Ozone Layer**

- Most atmospheric ozone is concentrated in a layer in the stratosphere, about 9 to 18 miles (15 to 30 km) above the Earth's surface.
- Ozone is a molecule that contains three oxygen atoms. At any given time, ozone molecules are constantly formed and destroyed in the stratosphere. The total amount has remained relatively stable during the decades that it has been measured.
- The ozone layer in the stratosphere absorbs a portion of the radiation from the sun, preventing it from reaching the planet's surface.
- Most importantly, it absorbs the portion of UV light called, UVB has been linked to many harmful effects, including skin cancers, cataracts, and harm to some crops and marine life.

INTERNATIONAL DAY FOR  
PREVENTION OF THE  
OZONE LAYER

Ozone Layer  
Depletion Facts

Ozone is a form of naturally occurring gas – and 90% of our planet's ozone is in the stratosphere. It is constantly being renewed and destroyed.

Some facts about the Ozone Layer Depletion:

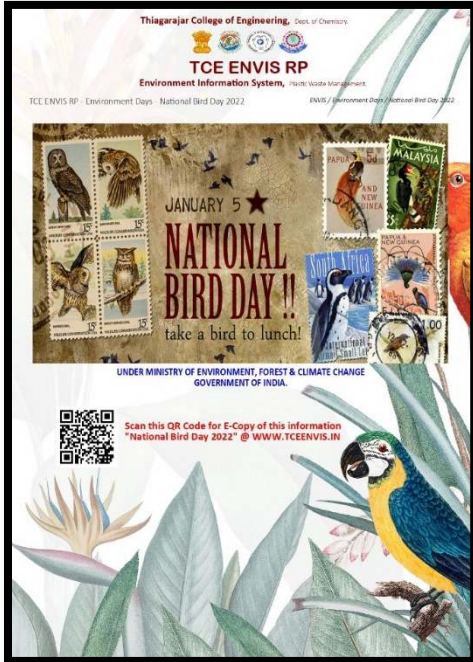
- The culprit was CFC – chlorofluorocarbon and HCFC – hydro chlorofluorocarbon which are also greenhouse gases.
- CFC was being used in refrigerants and cooling units, fire extinguishers and aerosols.
- The “hole” that was discovered in Antarctica was over 29 million square kilometers – larger than Russia and Canada combined!
- Exposure to higher amounts of UV radiation can cause skin cancer, eye diseases and weaken the immune system of humans.
- Further depletion of the ozone layer can make the Earth barren.
- Global Ozone is expected to revert to its 1980 thickness in the next 55 years.



# Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

## Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"


### Knowledge Product: National Bird Day 2022



**1. ஸ்ட்ரெஸ்மேன்ஸ் பிரிஸ்டிஃப்ரன்ட் (Stresemann's Bristlefoot)**

இது தான் உலகிலேயே அரிய வகைப் பறவையாகக் கருதப்படுகிறது. இது பிரேசில் நாட்டில் மட்டுமே காணப்படுகிறது. 2018 ஆம் கடைசியாக ஒரே ஒரு பறவை மட்டுமே கண்டறியப்பட்டது. அதுவும் இப்போது இருக்கிறதா எனத் தெரியவில்லை.


(It is considered to be the rarest bird in the world. It is found only in Brazil. At the end of 2018 only one bird was found. I do not know if that is the case now.)



**2. ககபோர (Kakapo - Flightless Parrot)**

இது நியூசிலாந்து நாட்டில் மட்டுமே இருக்கும் கிளிவகை பறவை. இந்தப் பறவையால் பறக்க இயலாது. இதனை ஆந்தைக் கிளி எனவும் அழைப்பர். காரணம் அதன் பெரிய தலை, இரவு நேரத்தில் இயங்கும் தன்மை. கிளியைப் போல் மரக்கிளைகளில் அல்லாமல் இவை தரைகளில் வாழும். இதுவும் அரிய வகை அழியும் பறவையினங்களில் ஒன்றாகும்.


(It is the only endemic bird in New Zealand. This bird cannot fly. It is also called the owl parrot. The reason is its large head, which runs at night. Unlike branches, they live on the ground, not on branches. It is also one of the rarest endangered bird species.)



**3. இம்பீரியல் அமேசான் (Imperial Amazon)**

இம்பீரியல் அமேசான் அல்லது டொமினிசுன் அமேசான் எனும் பறவை கரீபியன் தீவு பகுதியில் மட்டுமே வாழ்கிறது. இதனை சிசேரோ அனுவும் அழைக்கின்றனர். 2019-ஆம் ஆண்டில் எடுக்கப்பட்ட கணக்கின்படி 50 பறவைகள் மட்டுமே இருந்தன.


The Imperial Amazon or Dominican Amazon is the only bird living in the Caribbean. It is also called Cicero. According to the census taken in 2019, there were only 50 birds.



**4. ஃபாரஸ்ட் அவ்லட் (Forest Owllet)**

ஃபாரஸ்ட் அவ்லட் எனப்படும் ஆந்தை வகை 2018லேயே அழியப்போகும் அரிய வகை பறவையாக அறிவிக்கப்பட்டது. இந்த வகை ஆந்தை இனம் அழிவிற்கு மரங்கள் அழிப்பே காரணமாகக் கூறப்படுகிறது. இந்த வகை ஆந்தை மத்திய இந்தியாவில் அதிகமாக இருக்கும்.


(The owl, also known as the Forest Owl, has been declared an endangered species in 2018. This type of owl is said to be responsible for the extinction of trees. This type of owl is abundant in Central India.)



**5. (Great Indian Bustard) கிரேட் இந்தியன் பஸ்டார்ட்**

கானமயில், (Ardeotis nigriceps) இந்தியா, பாக்கிஸ்தானுக்கு உட்பட்ட உலர்ந்த புல்வெளி, வறண்ட புதர்க் காடுகளை வாழ்விடமாகக் கொண்ட பறவையாகும். இப்பறவை, வாழ்விட சீரழிவால் அற்றுப்போகும் நிலையின் விளிம்புக்குத் தள்ளப்பட்டுள்ளது. தற்போதைய கணிப்பீன்படி 500க்கும் குறைவான கானமயில்களே உள்ளன. இப்பறவை ராஜஸ்தான் மாநிலப்பறவையாகும்.

Kanamayil (Ardeotis nigriceps) is a bird that inhabits the dry grasslands and dry shrubs of India and Pakistan. The bird has been pushed to the brink of extinction by habitat degradation. The current estimate is that there are less than 500 jungles. This bird is the state bird of Rajasthan.



**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

**Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”**

**Green Skill Development Program (GSDP)**

➤ Certificate Course on “Waste Management”

<b>Courses offered</b>	<b>Course starting date batch-wise</b>	<b>Batch-size</b>	<b>Sanctioned amount during FY 2021-22</b>	<b>Remarks/current status</b>
<b>TCE ENVIS RP Plastic Waste Management</b>	Batch -03 <sup>rd</sup> 17 <sup>th</sup> November 2021 – 12 <sup>th</sup> January 2022	18 students	<b>dated 4th October, 2021 (INR 7,05,000/-)</b>	Completed
<b>TCE ENVIS RP Plastic Waste Management</b>	Batch – 04 <sup>th</sup> 10 <sup>th</sup> February 2022 to 31 <sup>st</sup> March 2022	19 Students	<b>Dated 18<sup>th</sup> November 2021 (INR 6,85,000/-)</b>	Completed

**TCE ENVIS RP- Thiagarajar College Engineering Environmental Information System under the Green Skill Development Programme of the Ministry of Environment, Forest and Climate Change, Government of India:**

This year TCE ENVIS RP conducted two batches on GSDP Course. The details of the course in given below. This year have received 200 applications out of which 37 (GSDP 3<sup>rd</sup>18, GSDP 4<sup>th</sup> 19) participant were selected for the course. The theory classes were conducted in the TCE ENVIS Seminar hall. The program is planned in such a way that the participant can gain theory as well as practical knowledge on solid waste management.

Various experts working on the field of waste management are invited from all parts of the state, to educate the participants on the waste management techniques. More than 20 experts from various industries and academic institutions have visited TCE ENVIS center and shared their experience on solid waste management. Internal experts from environmental engineering department of the host institution were also shared their knowledge among the participants.

To educate the students with live hands on training, the students were taken to various field trips. The field trips include visit to Waste management facilities, Industries, Composting Yards and also to house hold collection centers. The participants are trained with the handling, segregation and collection of different types of waste in the domestic as well as in Industrial areas. The hands on training of waste management helps the students in understanding the waste management techniques in depth.

The field visits supported the students to a greater extent in developing their own skills in handling waste management techniques. More-over, the hands on training has improved the confidence level of the participants and helps them to work individually in waste management. This has resulted in the development

## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

### Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"

of new entrepreneur in waste management fields.

To cite an example, the participants were taken to a vermicomposting site near Madurai, where the participants are trained with the basic knowledge and also detailed training was given on how to do a vermicomposting process. To put in a nut, shell the participants are trained from 0% to 100% on the process of vermicomposting techniques.

During the course the participants are also allowed to participate in waste management webinar and workshops organized by various educational institutes.

At the end of the course the participants are also assessed with viva voice examinations and written examinations on the waste management, subject taught to them. We have also conducted a placement drive for the participants, through which 1<sup>st</sup> Batch – 17 participants placed out of 18, 2<sup>nd</sup> Batch - 14 participants out of 19 placed in various waste management company's cities, Green ethics,

The participants of this course were really satisfied among themselves in attending this course, which supported them in developing skills on waste management techniques. The aim of the course was attained.

The Valedictory functions of the course was conducted on Batch 1 – 12.01.2022 & Batch 2 – 31.03.2022.

<b>Course Name</b>	<b>: Waste Management 3<sup>rd</sup> Batch 2021- 2022</b>
<b>Duration</b>	<b>: 300 Hours</b>
<b>Inauguration Date</b>	<b>: 17.11.2021</b>
<b>Course Started</b>	<b>: 17.11.2021</b>
<b>Course Ended</b>	<b>: 12.01.2022</b>
<b>Valedictory Date</b>	<b>: 12.01.2022</b>
<b>No. Of. Participants</b>	<b>: 18</b>
<b>Resource Person (Ext)</b>	<b>: 15</b>
<b>Resource Person (int)</b>	<b>: 13</b>
<b>Field Visit</b>	<b>: 5</b>



**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

**Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”**

**GSDP 3<sup>RD</sup> Batch Participant List**

S NO.	Candidate Name	Qualification	Place
1	Bharanidharan G	Bachelors Business Administration	Chennai, TamilNadu
2	Bobde Turiya	Bachelors, Forestry	NIZAMABAD
3	Divin Dravid V	Masters, Biochemistry	Madurai
4	Eswaran S	Bachelors, English Lt.	Theni, Tamilnadu
5	Jannathul Aabitha J	Masters, Environmental Management	Chennai, TamilNadu
6	Kamalakaran R	Diploma Engineering	Perundurai, TamilNadu
7	Karthikeyan K	Bachelors, English Lt.	Vilampatti, Tamilnadu
8	Mohan Rasu K	Masters, Microbiology	Kodaikanal
9	Navaneetha Krishnan N	Bachelors, English Lt.	Tenkasi, Tamilnadu
10	Pradeep Kumar N	Masters, MSc . Environmental Science	coimbatore, Tamilnadu
11	Prakash G	Master, Environmental Science.	Vellore, TamilNadu
12	Pranati Swain	Masters, Environmental Science,	Odisha
13	Priyanka	Bachelors, Science	Gurgaon, New Delhi
14	Raja Rajeshwari S	Masters, Information Technology	Bangalore
15	Rajavel R	Bachelors, Computer Application	Tirunelveli, Tamilnadu
16	Sadanand Jaiswal	B.tech , Chemical Eng.	Ratlam, Madhya Pradesh
17	Sudhakar Pandi E	Masters, English	Virudhunagar, Tamilnadu
18	Surya S	M.tech., Health and Safety Environmental Eng.	Dindigul, Tamilnadu

**GSDP III – COURSE ON WASTE MANAGEMENT 2021 BATCH - Inauguration**



**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

**Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"**

**GSDP III – COURSE ON WASTE MANAGEMENT 2021 BATCH - Valedictory function**



**GSDP III Field trip for the candidates of the course on Waste Management**



**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

**Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"**

**GSDP III Participants being taught by the faculty and by various Guest lecturers**



**Placement Details of GSDP Candidates - GSDP 3<sup>rd</sup> Batch 2021-2022**

S. No.	CANDIDATE NAME	DESIGNATION	COMPANY EMPLOYED
1	Bharanidharan G	Partner	Ramraj Associates
2	Bobde Turiya	Higher Studies	
3	Divin Dravid V	Higher Studies	
4	Eswaran S	Supervisor	Green Service Trust
5	Jannathul Aabitha J	Higher Studies	
6	Kamalakaran R	Partner	St. Thomas Charitable and Educational trust

## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

Name of ENVIS Centre **“TCE ENVIS – RP - Plastic Waste Management”**

7	Karthikeyan K	Higher Studies	
8	Mohan Rasu K	Higher Studies	
9	Navaneetha Krishnan N	Supervisor	Green Service Trust
10	Pradeep Kumar N	Higher Studies	
11	Prakash G	Environmental Health and Safety Officer (EHS)	Lotus Shoe Company (Cheyyar SIPCOT)
12	Pranati Swain	Higher Studies	
13	Priyanka	Higher Studies	
14	Rajavel R	Supervisor	Green Service Trust
15	Sadanand Jaiswal	Partner	Panchamrit RO solution
16	Sudhakar Pandi E	Supervisor	Green Service Trust
17	Surya S	Freelance	Telus International

**Course Name** : Waste Management 4<sup>th</sup> Batch 2021- 2022  
**Duration** : 300 Hours  
**Inauguration Date** : 10.02.2022  
**Course Started** : 10.02.2022  
**Course Ended** : 31.03.2022  
**Valedictory Date** : 31.03.2022  
**No. Of. Participants** : 19  
**Resource Person (Ext)** : 12  
**Resource Person (int)** : 14  
**Field Visit** : 6



**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

**Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”**

**GSDP 4<sup>th</sup> Batch Participant List**

S NO.	Candidate Name	Qualification	Place
1	AJITH R	Bsc.physics	Madurai
2	AMRUTHRAJ K V	Masters ,ENVIRONMENTAL SCIENCE	Kannur, Kerala
3	ANITHA P	MASTERS ENVIRONMENTAL SCIENCES	THIRUPPATHUR
4	ATCHAYA DEVI V	Masters Microbiology	Thiruthangal
5	EDRISHA RAJ	BSc. In Environment and WaterManagement	Patna
6	GAYATHRI V	Masters Microbiology	Rajapalayam
7	JEGAN K S	Masters Biochemistry	Madurai
8	KARTHI C	Diploma in Electrical and Electronics Engg	Kovilpatti
9	KEVIN BHIKADIA	M.E. Environmental engineering	surat
10	MEENAKSHI SUNDARAM K	B Sc IT	Madurai
11	NANDHINI M	Masters, Biotechnology	THENI
12	NIVETHA M	Masters Microbiology	Srivilliputtur
13	RAAJIE SARAVANAN	BE Waste water engineering, Industrial waste water management	Madurai
14	RAHUL PADMANABHAN	Msc Enviromental science	WAYANAD, Kerala
15	SELVARAJ M	Masters, Environmental Science	Nilakottai, Taluk
16	SHANMUGA PRIYA G	Bachelors INFORMATION TECHNOLOGY AND MANGEMENT	Madurai
17	SHERIN K O	Masters,Environmental Science	Thrissur, Kerala
18	SRINIVASARAO GALAM	Masters, Environmental Science	Andhrapradesh
19	VISHAL RAJBANSH	Bacherlors,Environmental and Water Management	Patna

**GSDP 4<sup>th</sup> Batch – Course on Waste Management 2021 batch – Inauguration**






## Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)

Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"

### Valedictory Ceremony

Thiagarajar College of Engineering, Madurai  
Department of Chemistry



The Management, Principal, Staff, Students & ENVIS Team of Thiagarajar College of Engineering, Cordially invite you for the

### Valedictory Ceremony

of Green Skill Development Programme (GSDP)  
Master Training Course on "Waste Management"

**Thiru. K. Hari Thiagarajan**  
Executive Director, Thiagarajar Mills,  
will deliver the presidential address & distribute the certificates

**Thiru. Ribhu Vohra**  
Founder, WasteLess @ Auroville, South India  
will be the Chief Guest and deliver the valedictory address

DATE & TIME : 31.03.2022 @ 10:00 AM VENU: K.S. Auditorium, TCE.

TCE ENVIS RP - ENVIS Resource Partner on Plastic Waste Management  
Under Ministry of Environment, Forest & Climate Change,  
Government of India

### AGENDA:

10:00 AM: *Prayer*

10:05 AM: *Welcome Address*  
DR. M. PALANINATHARAJA, PRINCIPAL (I/C),  
THIAGARAJAR COLLEGE OF ENGG. MADURAI.

10:10 AM: *Outcome of the Course*  
DR. R. VASUDEVAN, (PADMA SHRI AWARDEE)  
DEAN ECA & PROF., DEPT. OF CHEMISTRY,  
CO-ORDINATOR, TCE ENVIS RP, TCE.

10:15 AM: *Participants Feedback*

10:20 AM: *Presidential Address*  
THIRU. K. HARI THIAGARAJAN,  
EXECUTIVE DIRECTOR, THIAGARAJAR MILLS,  
MADURAI.

10:30 AM: *Certificate Distribution*

10:40 AM: *Valedictory Address*  
THIRU RIBHU VOHRA, FOUNDER,  
WASTELESS INDIA,  
AUROVILLE, SOUTH INDIA.

11:00 AM: *Vote of Thanks*  
DR. M. KOTTABAMY, DEAN STUDENTS,  
PROF & HEAD, DEPT. OF CHEMISTRY,  
THIAGARAJAR COLLEGE OF ENGG. MADURAI.

*National Anthem*



### GSDP III Field trip for the candidates of the course on Waste Management



**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

**Name of ENVIS Centre "TCE ENVIS – RP - Plastic Waste Management"**



**GSDP 4<sup>th</sup> Participants being taught by the faculty and by various Guest lecturers**



**Factsheet of 2021-22 (As on 31-Mar-2022 on Activities of ENVIS Centre)**

**Name of ENVIS Centre “TCE ENVIS – RP - Plastic Waste Management”**

**Placement Details of GSDP Candidates - GSDP 4<sup>th</sup> Batch 2021-2022**

<b>S. No.</b>	<b>CANDIDATE NAME</b>	<b>DESIGNATION</b>	<b>COMPANY NAME</b>
1	AMRUTHRAJ K V	Self Employed	
2	ANITHA P	Self Employed	
3	ATCHAYA DEVI V	Higher Studies	
4	EDRISHA RAJ	Higher Studies	
5	GAYATHRI V	Higher Studies	
6	KEVIN H BHIKADIA	Self Employed	'Enviropolis LLP',
7	NIVETHA M	Higher Studies	
8	NANDHINI M	Self Employed	
9	RAAJIE SARAVANAN	Higher Studies	
10	RAHUL PADMANABHAN	Higher Studies	
11	SHANMUGA PRIYA G	Higher Studies	
12	SHERIN K O	Higher Studies	
13	SRINIVASARAO GALAM	Area Supervisor	SAFENVIRON PVT LTD, Viyawada
14	VISHAL RAJBANSH	Higher Studies	