

SRI VENKATESWARA COLLEGE OF ENGINEERING

(an Autonomous Institution affiliated to Anna University,

Chennai)



Pennalur, Sriperumbudu Tk - 602 117

DEPARTMENT OF CIVIL ENGINEERING

Report of the Webinar on "Plastic Waste Management"

Date: 26th July 2020, Sunday Time: 11.00 a.m. – 12.00 p.m. Mode: Online through Google meet Meeting Link: https://meet.google.com/eoo-ukhf-eqv

Speaker

Dr. E. RAVINDRANATH Technical Director Chennai Environmental Management Company of Tanners (CEMCOT) Chennai

Coordinator

Mr.R.Mathiyazhagan Assistant Professor/Civil Engineering

Convenor & Organising Secretary

Dr.R.Kumutha, Professor & Head/Civil Engg.

Target Audience: UG and PG Students, Faculty members, Research Scholars and Industry persons

Number of Participants benefited: 75 UG Students: 41 PG Students: 3 Research Scholar: 3 Faculty: 28

BROCHURE



SRI VENKATESWARA COLLEGE OF ENGINEERING DEPARTMENT OF CIVIL ENGINEERING

Cordially invites you for a Webinar on

"PLASTIC WASTE MANAGEMENT"



Dr. E. RAVINDRANATH M.E., M.S., Ph.D Technical Director Chennai Environmental Management Company of Tanners (CEMCOT), Chennai 25th July 2020 11 a.m to 12.00 p.m

INSTITUTION'S

COUNCIL

Registration link: https://forms.gle/v8U7CUw3XtdiJ6Dd9

Coordinator Mr.R.Mathiyazhagan Assistant Professor/Civil Engineering

Speaker

Convenor Dr. R. Kumutha Professor & Head /Civil Engineering

PROFILE OF Dr. E. RAVINDRANATH

He did his B.Tech in Civil Engineering from Jawaharlal Nehru Technological University (J.N.T.U), Hyderabad, M.E in Public Health Engineering from College of Engineering Guindy, M.S in Civil Engineering from South Dakota School of Mines and Technology, USA then PhD in Environmental Engineering from Anna University.

He has published around 83 papers including both national and international journals and conferences. He is also having 3 National patents and 1 international patent in his name.

He is associated with professional bodies like Indian Water Works Association, Indian Environmental Association, Institute of Engineers, India, Institute of Public Health Engineers, Indian congress Institute, Indian Association for Environmental Management,

His experience includes Madras Metropolitan Water Supply and Sewerage Board, Chennai, National Environmental Engineering Research Institute (NEERI), Nagpur, Coromandel Engineering Company, Chennai, 20 + years in CSIR- Central Leather Research Institute, Chennai and retired as Chairman, Works and Head, Engineering Service. He then worked as Professor and Head at Sri Venkateswara College of Engineering 2015 -18.

Currently he is the technical director, Chennai Environmental Management company of Tanners (CEMCOT), Chennai as well as a Freelance Consultant for implementation of projects under NMCG at Solidaridad, The Netherlands.

His work includes R&D projects for treatment of liquid and solid waste generated from tanneries, Implementation and upgradation of effluent treatment plants, Treatability studies for tannery wastewater, Implementation of full scale UASB reactors in Dindigul, Perundurai and Kunoor for tannery wastewater, Implemented Common Effluent Treatment Plants in Kolkata, Jalandhar, Ranipet, Vanyambadi etc for tannery sector, Design, detail engineering and implementation of Secured Landfills with patented technology of CLRI, Treatability studies on application of membrane coupled bioreactors for treatment of wastewater and arriving kinetic parameters for implementation in full scale wastewater treatment plants, Application of Membrane Systems for recovery of water from treated wastewater, Quality Control & Quality assurance in project activities, Anaerobic co-digestion of solid waste & bio-energy generation; arriving kinetic parameters for solid waste generated in tannery sector, Remediation and eco-restoration of chromium contaminated water resources and soil

He has taken classes for M.E Environmental Engineering and Environmental Management in CEG, B Tech civil Engineering at IIT M, B Tech and M Tech leather technology.

He has delivered lectures in many programs conducted by CSIR-CLRI, Tamilnadu Water Supply and Drainage Board, National Productivity Council, Chennai, Engineering Colleges, Leather Associations, Chennai Metropolitan Water Supply and Sewerage Board and programs sponsored by CPHEEO, Central Pollution Control Boards. Also Delivered lectures on "Operation and Maintenance of Pretreatment Systems in Individual Tanneries – in Ethiopia, Vietnam and Botswana"

BRIEF REPORT OF THE WEBINAR

The webinar started with a welcome note by**Dr.R.Kumutha**, Professor & Head/ Civil Engineering & Convenor of this Program and the introduction of the speaker to the Participants by **Mr.R.Mathiyazhagan**,Assistant Professor/Civil Engineering.**Dr.E.Ravindranath**started withshowing the different types of plastics used in our day today life. He has explained what is plastic, different classification of plastic, impact of plastic on marine environment, impact of uncontrolled open burning, impact on animals and impact on human health. He has also explained the recycling facilities available for management of plastic waste and use of plastic wastesforroad construction.

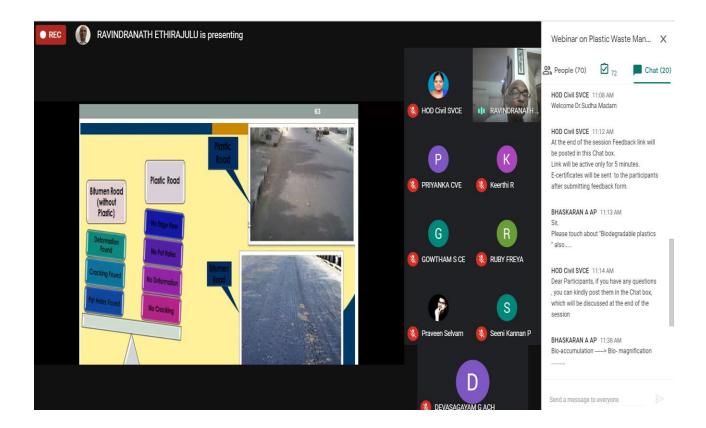
The following queries were raised by the participants which were answered by Dr.E.Ravindranath

- 1. What are the methods available to convert plastic waste into fuels?
- 2. Are there any facilities available to convert plastic waste into fuels in Tamilnadu?
- 3. What are various methods available for converting waste to energy?
- 4. How can we dispose e-waste from our home?
- 5. Why the incineration method is not used effectively in India since we are generating power?
- 6. How far is the leachability issue of plastic used in roads in long run? Are there any studies done so far taking long term implications even though the plastic improves the bitumen properties in short term?
- 7. Why is segregating plastic waste in Chennai not very successful widely, though it is adopted in some places?
- 8. How plastic ban can be implemented in India?

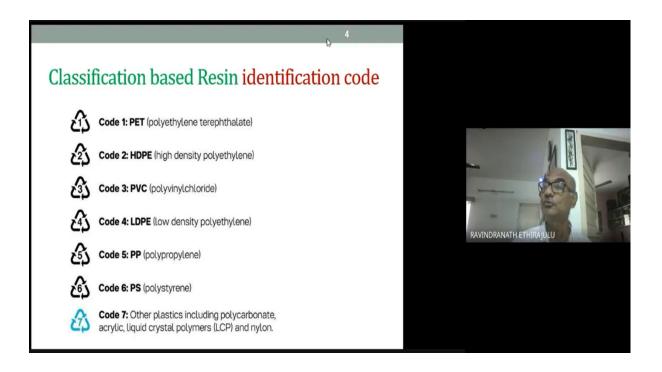
The session ended with a vote of thanks delivered by **Ms.R.Yamini, Final Year Student**, Department of Civil Engineering. The participants also had appreciated the webinar.

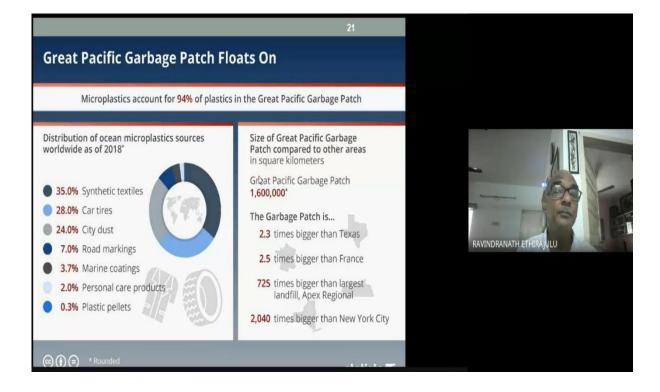
SNAPSHOTS OF THE WEBINAR



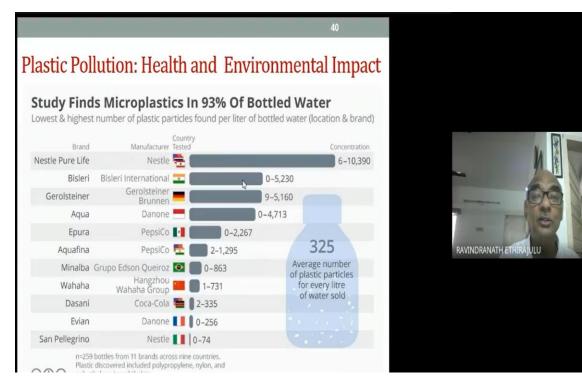


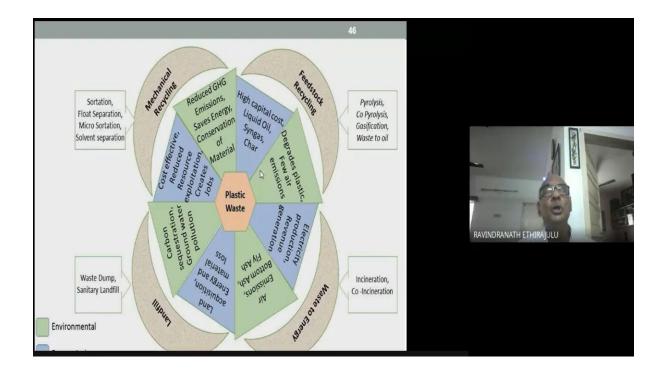
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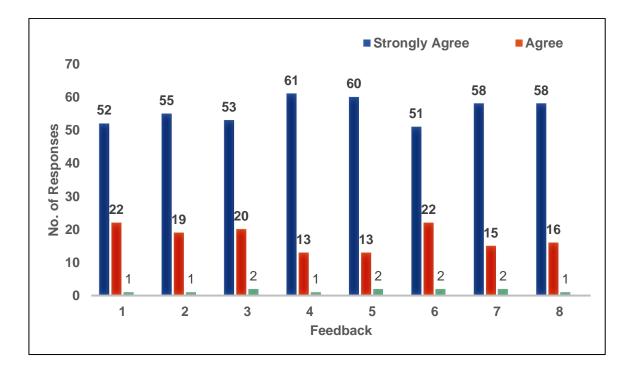
LIST OF PARTICIPANTS

S.No	Name of the Participant	Name of the Institution/Industry	Category
1	Dr.R.Kumutha	Sri Venkateswara College of Engineering	Faculty
2	Dr.K.Vijai	St.Joseph's College of Engineering	Faculty
3	R. Yamni	Sri Venkateswara College of Engineering	UG Student
4	Akruutha K	Sri Venkateswara College of Engineering	UG Student
5	Hemalatha R	Sri Venkateswara College of Engineering	UG Student
6	R.Balaraman	Jerusalem College of Engineering	Faculty
7	S.Gowtham	Sri Venkateswara College of Engineering	UG Student
8	G.Monisha	Sri Venkateswara College of Engineering	UG Student
9	P. Arul	Sri Venkateswara College of Engineering	Faculty
10	Ranjith I	CSIR IICT	Research Scholar
11	A.Jenisha	Sri Venkateswara college of Engineering	UG Student
12	Logeshwari R	Sri Venkateswara College of Engineering	UG Student
13	Rajarajan S	Sri Venkateswara College of Engineering	UG Student
14	Jenani.m	Sri Venkateswara college of Engineering	UG Student
15	G.Harshavarthani	Sri Venkateswara College of Engineering	UG Student
16	Naveen S	Sri Venkateswara College of Engineering	UG Student
17	P. Maharaja	CSIR-Central Leather Research Institute	Research Scholar
18	Kavinselva P	Sri Venkateswara College of Engineering (SVCE),Sriperumbudur,Kanchipuram district	UG Student
19	Dr. P. Venkateswara Rao	Sri Venkateswara College of Engineering	Faculty
20	Mohamed Nibras S	Sri Venkateswara College of Engineering, Sriperumbudur	UG Student
21	S. Mani Bharathi	Sri Venkateswara College of Engineering	UG Student
22	Sriram.L	Sri Venkateswara College of Engineering	UG Student
23	C.Merlin Rani	SSM Institute of Engineering and Technology	Faculty
24	Dharshini. G	Sri Venkateswara College of Engineering	UG Student
25	Gokul k	Sri Venkateswara College of Engineering	UG Student
26	Ms.Bharathy G	Sri venkateswara College of Engineering	Faculty
27	S.Sivaranjani	Sri Venkateswara College of Engineering	UG Student
28	Siddharth J U	Sri Venkateswara College of Engineering	UG Student
29	Selvabharathi Gopal	SSM Institute of Engineering and Technology	Faculty
30	Kirthiga	Sri Venkateswara College of Engineering	UG Student
31	Laleeth Kumar D	Sri Venkateswara College of Engineering	UG Student
32	Dr Keerthi R	Sri Venkateswara College of Engineering	Faculty
33	Srikiruthiga S	Sri Venkateswara College of Engineering	UG Student
34	G.Saravanapandi	Sri Venkateswara College of Engineering	UG Student
35	Ruby Freya	Sri Venkateswara College of Engineering	Faculty
36	Karthick S	Sri Venkateswara College of Engineering	UG Student
37	Hariswaran S	Sri Venkateswara College of Engineering	Faculty
38	Nishal M	Sri Venkateswara College of Engineering	Faculty
39	Porselvam s	CEMCOT	Research Scholar
40	G.Sivani	Sri Venkateswara College of Engineering	UG Student
41	Dr. A. Bhaskaran	Sri Venkateswara College of Engineering	Faculty
42	SathyaPriya K	Sri Venkateswara College of Engineering	Faculty
43	Ponram.P	VSVN Polytechnic College, Virudhunagar	Faculty
44	G. Arun	Sri Venkateswara College of Engineering	Faculty
45	Ranjana Piriyadharshini	Sri Venkateswara College of Engineering	UG Student
46	Dr.S.Sivasankar	CMR Technical Campus, Hyderabad	Faculty
47	Kalaivannan R	Sri Venkateswara College of Engineering	Faculty
48	Diravia Balan S	Sri Venkateswara College of Engineering	Faculty
49	Priyanka. K	Sri Venkateswara College of Engineering	UG Student

S.No	Name of the Participant	Name of the Institution/Industry	Category	
50	Dr. J. Sutha	AAA College of Engineering and Technology, Sivakasi	Faculty	
51	Gokul R	Sri Venkateswara College of Engineering	UG Student	
52	Arshiya.A .S	Sri Venkateswara College of Engineering	UG Student	
53	Fahmi Reeshman Ahamed O	Sri Venkateswara College of Engineering	UG Student	
54	Divya S S	College of Engineering, Guindy	PG Student	
55	Harini.S	Alagappa College of Technology Campus, Anna University	PG Student	
56	P.Indhumathi	Alagappa College of Technology. AnnaUniversity, Chennai	PG Student	
57	Padmanaban.N	Sri Venkateswara College of Engineering	UG Student	
58	Hemalatha Veerasamy	Sri Venkateswara College of Engineering	UG Student	
59	J.Haritha	Sri Venkateswara College of Engineering	UG Student	
60	Chayan Sardar	Sri Venkateswara College of Engineering	UG Student	
61	Dr.G.Devasagayam	Sri Venkateswara College of Engineering, Sriperumbudur	Faculty	
62	Dr.P.Seeni kannan	AAA college of Engineering and Technology, Sivakasi	Faculty	
63	Kiruthiga Selvan	Sri Venkateswara College of Engineering	UG Student	
64	Dr.S.R.Malathi	Sri Venkateswara College of Engineering	Faculty	
65	T.M.Tilaq Rohith	Sri Venkateswara College of Engineering	UG Student	
66	K Rajeshkumar	Government College of Technology, Coimbatore	Faculty	
67	Vivedhitha Varshini.A.G	Sri Venkateswara College of Engineering	UG Student	
68	S.P.Kanniyappan	R.M.K Engineering College	Faculty	
69	Rajeswari Ramaraj	Sri Venkateswara College of Engineering	Faculty	
70	S.Hariharan	Sri Venkateswara College of Engineering,	UG Student	
71	G. Manikanda Raja	AAA college of engineering and technology	Faculty	
72	Udaya Kumar R	Alumini of SVCE	UG Student	
73	Inam-UI-Haq	Global Institute of Engineering and Technology	UG Student	
74	Nalinkanth V Ghone	Sri Venkateswara College of Engineering	Faculty	
75	Praveen Kumar V	Sri Venkateswara College of Engineering	UG Student	

SUMMARY OF FEEDBACK

Total Number of respondents: 75								
Feedback statement	Strongly Agree	Agree	Neutral	Disagree				
The session delivered the information I expected to receive	52	22	1					
The subject matter was presented effectively	55	19	1					
The pace and duration of the webinar was satisfactory	53	20	2					
The resource person is knowledgeable	61	13	1					
The resource person presented the information in a clear and logical manner	60	13	2					
Sufficient time was given for interaction	51	22	2					
The webinar was well organized	58	15	2					
As a result of this webinar, I gained new knowledge	58	16	1					



Additional comments/feedback from participants:

- The session was very knowledgeable
- This webinar is very useful to know the new things
- Webinar was planned and executed in a professional manner... Presentation was excellent.... Congratulations to Dr.R.Kumutha, Prof. and Head for arranging this webinar.....
- Sir kind request, it may be conducted either one or twoweeks programme

- More informative and useful program.
- I found this webinar helpful to enhance my knowledge regarding plastic types and its management in our society. Hope for more such webinars to be organized in future.
- More information gained from this session.
 Very clear presentation...
 Thank to Dr.Ravindranath sir.
 Thanks to the organisers Dr.R.Kumutha and SVCE faculties.
- Very informative session. But the duration can be extended.

Q.Mal.

Prepared By Mr.R.Mathiyazhagan (Assistant Professor /Civil Engg.) Coordinator

Approved By Dr.R.Kumutha Prof. & Head Civil Engg. Convenor