



Dr. Ambedkar College, Deekshabhoomi, Nagpur



REPORT

Param Poojya Dr. Babasaheb Ambedkar Smarak Samti's
DR. AMBEDKAR COLLEGE
Deekshabhoomi, Nagpur
RE-ACCREDITED WITH 'A' GRADE BY NAAC
RECOGNISED AS COLLEGE WITH POTENTIAL FOR EXCELLENCE BY UGC

Webinar on
"Recycling Plastic into Fuel: Chemical and Biological Process"
Organized by
Environment Science and Nature Club

Date: 31st July 2021
Time: 12:00 pm onwards

Guest speaker
Dr. Sameer Deshmukh
Faculty in Chemical Technology,
LIT, Nagpur

Zoom Meeting Link:
<https://us06web.zoom.us/j/81453942203?pwd=aTExdXJZaWRhc0QyeXNnSytRcGJmZz09>
Zoom Meeting Id: 814 5394 2203
Passcode: 722558
Feedback Form Link: <https://forms.gle/8Aqz2dLRy2etBbm4A>
Note: Feedback link will be active after the webinar

Dr. Archana Meshram
Coordinator
(Nature Club)

Dr. Subhash Somkuwar
Coordinator
(Environmental Studies Cell)

Dr. B. A. Mehere
Principal,
Dr. Ambedkar College, Nagpur

WEBINAR

The Environmental Studies Cell & Nature Club of Dr. Ambedkar College, Deekshabhoomi, Nagpur have organized a Webinar of **Dr. Sameer Deshmukh**, Faculty in Chemical Technology, LIT, RTMNU, Nagpur on 31st July, 2021 to celebrate World Nature Conservation Day. The lecture was organized for UG students on virtual platform (Zoom).

Chairperson and Principal, Dr. (Mrs.) B.A. Mehere, has welcomed the gathering. An introductory remark has given by Dr. S.R. Somkuwar, Co-Ordinator, The Environmental Studies Cell. He highlighted various activities taken under the banner of environmental studies cell during past years.



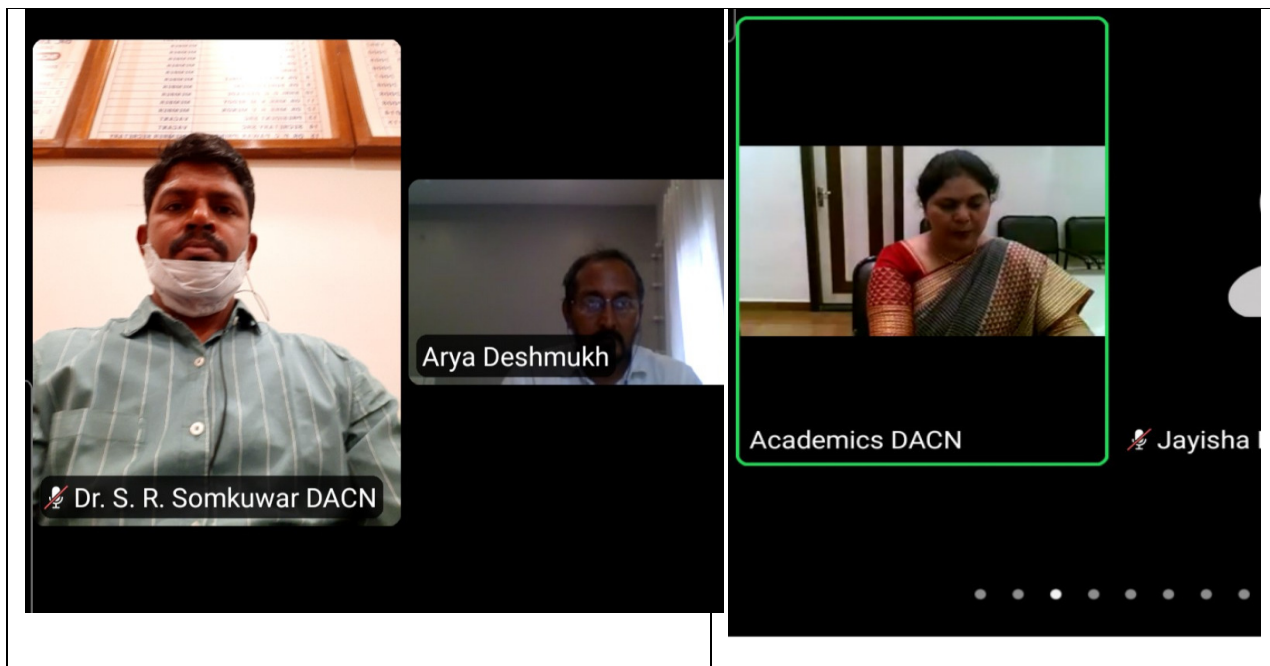
Dr. Ambedkar College, Deekshabhoomi, Nagpur



Afterwards Resource person Dr. Sameer Deshmukh has delivered his talk on “Recycling plastic into fuel: Chemical & Biological processes”. He explained the India’s various waste generation scenario, waste hierarchy, various waste energy processes, mechanical recycling of plastics. After the session, a short interaction carried out with the resource person. Also focused the burning issue about the recycling of plastic in eco friendly way. Students clarified their doubts regarding the topic. Guest has fulfilled their doubts very enthusiastically.

The programme has efficiently conducted by Dr. Archana Meshram, Co-ordinator, Nature Club, while technical assistance was given by Dr. Rahul B. Kamble, Associate Co-ordinator, The Environmental Studies Cell.

Glimpses of Event





12:13

Close **Participants (24)**

Search

- DS Dr. S. R. Somku... (Co-host, me)
- Academics DACN (Host)
- AD Arya Deshmukh
- L Leena Kamble
- AG Aditi Ghode
- Anushka Juware
- AS Ayushi Soni
- CK Chinmai khorgade
- Diksha Pakhale
- DS Divya sarangpure
- J Jay
- JR Jyoti Rajesh katre
- Khushi Khan

Invite Mute All

India's Waste Generation Scenario

- Solid waste management is a major concern in India's urban areas
- Around 62 million tonnes of waste is being generated annually in India
- Approximately 68% of generated waste collected, while only 28% of collected waste processed/treated
- Remaining solid waste being disposed through land filling / open dumps
- Projected waste generation by 2033 is 165 MMTPA

Composition of waste: Organic (28%), Paper (20%), Plastic (10%), Glass (10%), Metal (10%), Textile (10%), Other (12%)

Expected increase in waste generation (at 5% annual growth rate)

Indiscriminate disposal of waste at dump yards in unhygienic manner is leading to health related problems and environmental degradation

WASTE TO ENERGY WASTEWATER TREATMENT WATER TREATMENT

Arya Deshmukh's screen

What is being Done Currently.....

Waste Generation

Un-segregated waste → Disposal at community bins → Collection and transportation → Disposal without any treatment

WASTE TO ENERGY WASTEWATER TREATMENT WATER TREATMENT

Arya Deshmukh's screen

Mechanical Recycling of plastics

WASTE TO ENERGY WASTEWATER TREATMENT WATER TREATMENT

Arya Deshmukh's screen