

IQAC

ACTIVITY REPORT

1) Title of Activity- "Plastic Recycling & Waste Management and Career Opportunities in Plastics Industries" on 19<sup>th</sup> June 2021.

2) Nature of Activity- A) Curricular (Academic)

3) Name of the Department- **Department of Chemistry and Polymer Chemistry**

4) Activity coordinator/In charge-Dr.R.H.Satpute

5) Objectives of Activity –

- Undoubtedly, Polymer chemistry is one of the highly evolved branches of chemistry. Polymer industries contribute to the ever changing needs of society. However, an uncontrolled use of non-recyclable plastic causes harm to nature.
- Objective of this invited talk on "Plastic Recycling & Waste Management and Career Opportunities in Plastics Industries" is to make students know various plastic recycling treatments and processes of waste management.
- To make students aware about career opportunities in the plastic industries and to develop entrepreneurship qualities among them.

6. Is the activity planned at the beginning of the session? - Yes

C. If yes, is it mentioned in the departmental calendar of the current academic year?

- Departmental Action Plan 2020-21

7. Brief description about activity Conducted-

Hon. Mr. Kamal Jit Ghai, Director and Head, CIPET-CSTS, Aurangabad and Resp. Dr. R. H. Satpute, Principal, Government College of Arts and Science, Aurangabad was Guest of honor.

Ms. Mousam Choudhury, H.O.D. Training Department, CIPET-CSTS, Aurangabad was the invited speaker on the aforementioned topic in the title. Mr. Pavan Shinde, Asst. Prof. in Chemistry, GASCA welcomes all the delegates and student participants. Dr. Syed Abed Asso. Prof. in Chemistry, GASCA played a role of compere. Mr. D.B. Dhakne from CIPET, Aurangabad introduced Guest - Ms. Mousam Choudhury.

Ms. Mousam Choudhury in her lecture with the help of presentation first made students aware about the growing concern of the plastic pollution and then showed various different recycling techniques presently in use in polymer recycling plants. She very neatly and explicitly explained all the waste management processes and protocols. She not only informed students from all fields about career opportunities in the polymer industry but also encouraged students to take polymer chemistry as a subject for higher studies like research and innovation. She also introduced students to growing research and developments and industrial job opportunities in biodegradable polymers. She encouraged students (especially financially needy and job seekers) to pursue diploma courses in CIPET, Aurangabad and assure them about guaranteed job opportunities.

Resp. Principal Dr. R. H. Satpute gave the presidential address. He thanked Dr. Ghai , Ms. Mousam and Mr. Dhakne for sharing their time and knowledge with our students.

Dr. Archana D Chapolikar, HoD, Chemistry, GASCA proposed formal vote of thanks.

Mr. A.C. Gandhi and Ms. S.P. Choure also helped in the successful organization of the event.

**8. Resources used for activity (Economic/non-economic)-**

**9. Output of the activity-**

- All the Students, especially students of polymer chemistry got to know various techniques for polymer recycling and waste management deployed in polymer industries.
- Students got to know about various career opportunities in the field of research, development and innovation in polymer chemistry and jobs as well as entrepreneurial opportunities in the polymer industry.

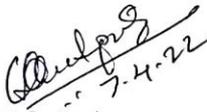
**10. Feedback-** Feedback from student participants on the guest lecture on various parameters was taken and analyzed. Very large number of Students recorded a high level of satisfaction they experienced by attaining the most needed workshop especially to the students from

## Government College Of Arts & Science, Aurangabad

polymer chemistry branch and others who are in need of immediate job/earning sources along with which they can pursue higher studies too. Students demanded more such events that enrich/nourish entrepreneurial attitudes/qualities among them at an early stage of their career.

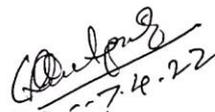
Taken and analysis of feedback revealed that all the students are highly satisfied with the topic selected for webinar and execution of the activity. Students also appreciated knowledge and the ability to interact and query resolution attitude.

11. Total no. of students participated- 64
12. Total no. of girls' students participated - 26
13. Total No. of females involved in the organization of activity - 02
14. Problems encountered-

  
Dr.R.H.Satpute  
7.4.22

Name & Signature  
Activity Coordinator



  
Dr.R.H.Satpute  
7.4.22

Name & Signature

HOD/ In charge of the committee  
Principal  
Govt. College of Arts & Science  
Aurangabad.

## Flyer of the seminar:



### GOVERNMENT COLLEGE OF ARTS & SCIENCE, AURANGABAD

Department of Chemistry  
Organized Seminar on

Ministry of Chemicals and Fertilisers  
Government of India



### "Plastic Recycling & Waste Management And Career Opportunities in Plastics Industries"

Date – 19<sup>th</sup> June 2021 Time-03.00pm – 04.30pm

Google Meet link: <https://meet.google.com/vst-vwqn-apb>

#### Guest of Honor



**Mr. KAMAL JIT GHAI**  
DIRECTOR & HEAD,  
CIPET-CSTS, AURANGABAD



**Dr. R. H. SATPUTE**  
PRINCIPAL,  
GCAS, AURANGABAD



**Ms. MOUSAM CHOUDHURY**  
Sr. Technical Officer,  
CIPET-CSTS, AURANGABAD



**Mr. S. B. KULKARNI**  
LECTURER (ME),  
CIPET-CSTS, AURANGABAD



**Mr. D. B. DHAKANE**  
LECTURER (ME),  
CIPET-CSTS, AURANGABAD



**Dr. A. D. CHAPOLIKAR**  
H.O.D. (Chemistry),  
GCAS, AURANGABAD

## Screenshot of the seminar conducted through google meet:

The screenshot shows a Google Meet interface during a seminar. The main content is a presentation slide titled "STRUCTURE OF INDIAN PLASTIC INDUSTRY" from CIPET. The slide text includes:

- Enter any notes specific to this class.
- The entire chain in the Plastic industry classified as:
- (A) Upstream sector: Manufacturing of polymers and...
- (B) Downstream sector: Conversion of polymers into plastic articles.
- The upstream polymer manufacturers - commissioned globally competitive size plants with imported state-of-art technology from the world leaders.
- The downstream plastic processing industry - highly fragmented - consists of micro, small and medium units.

The slide also features a flowchart showing the flow of equipment, virgin polymers, processed plastics, and recycled plastics through various stages like Polymer Manufacturers, Equipment Manufacturers, Plastic Processors, and Recycling Plants. Source: CRISIL, PlastIndia Foundation, Kamvic, TSMC Analysis.

On the right, the "Meeting details" panel shows 27 participants, including Mousam Choudhury Mitra (presenting), PAVAN PALWE, pavan shinde, Pooja Dandage, and Pooja Ghode. The bottom of the screen shows the Windows taskbar with the time 16:03 on 19-06-2021.