

## Single Use Plastics: Challenges and Alternatives



Department of Plastic Technology &  
Chemical Engineering, HBTU Kanpur  
Jointly Organizing

100 YEARS  
1921 - 2021

### ONE DAY NATIONAL WEBINAR SINGLE USE PLASTICS PROBLEMS, LAWS AND ALTERNATIVES

(CONDUCTED AS PART OF THE CENTENARY YEAR CELEBRATIONS OF HBTU KANPUR)

#### About HBTU, Kanpur

Its roots date back to 1920 when the government of United Provinces established "Government Research Institute, Cawnpore", which was subsequently renamed as "Government Technological Institute" in 1921. Finally, in 1926, it got the name "Harcourt Butler Technological Institute" by which we had been knowing it till August 2016. From September 2016 HBTU Kanpur got the status of HBTU Kanpur (i.e. Harcourt Butler Technical University Kanpur, by the Government of Uttar Pradesh. It was previously a Government Organization, but w.e.f. 26.03.1965, it was declared as an autonomous body and thereafter became University. The HBTU Kanpur is a technical university, financially aided by UP Government.

#### About Plastic Technology Department

The Department of Plastic Technology was established in 1964. At that time B.Sc. Chemical Technology degree course of 3-year duration was started. In 1991 the course was upgraded to B. Tech. 4-year degree course after 10+2. Besides this, department also offers Doctoral programme in Plastic Technology & Applied Chemistry. The curriculum of these programs encompasses latest developments in the field as well as present and future needs of the industry.

#### About Chemical Engineering Department

Chemical Engineering Department was formed and Chemical Engineering Education was formalized in the institute in 1954 with two new courses for awarding undergraduate degrees of AHBTU and FHBTU. Thereafter in 1958, two full-fledged undergraduate courses were started leading to degrees in Chemical Engineering after four years study and in Chemical Technology after three years study. The Chemical Engineering Department was made responsible to teach and guide fundamental principles of Chemical Engineering and their applications to the entire students of Chemical Engineering and Chemical Technology and later on to Leather Technology as well.

#### Key Highlights

- Alternatives of Single Use Plastic
- Plastic waste processing
- National laws related to Single Use Plastics

#### Organising Committee

1. Prof. Samsher, Hon'ble Vice Chancellor, HBTU, Kanpur – Patron
2. Prof. Alak Kumar Singh, Dean, School of Chemical Technology – Chairman
3. Dr. Indira Nigam Professor, Head, Department of Plastic Technology, Co-Chairman
4. Dr. Rajesh Kalyar, Head, Department of Chemical Engineering, Co-Chairman
5. Prof. Reena Singhal, Department of Plastic Technology, Convener
6. Prof. Deepak Srivastava, Department of Plastic Technology, Convener
7. Dr. G.L. Devnani, Assistant Professor, Department of Chemical Engineering, Co-Convener
8. Dr. A.K. Rathore, Assistant Professor, Department of Chemical Engineering, Co-Convener
9. Mr. Vanah Gupta, Final Year Plastic Technology, Student Convener



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Date: 28 August, 2021  
Time: 11:00 AM – 4:30 PM

For questions or concerns, please mail us at [reenasinghal123@gmail.com](mailto:reenasinghal123@gmail.com)

## Report

Webinar was conducted by Plastic Technology department on the topic "Single use plastics: Challenges & alternatives" on 28 August 2021. The webinar was conducted online mode. Two technical sessions were arranged. In first technical session was delivered by Dr. U.P. Singh (chief manager, CIPET Lucknow) on the topic "National laws related to single use plastic". The second technical session was on the topic "Alternatives of SUP and plastic waste processing" delivered by Prof. Reena Singhal, Professor, Deptt. of plastic Technology H.B.T.U Kanpur. About 45 participants had attended the programme and interacted with the speakers on the significance of single use plastic waste management strategies.