# Technology Demonstration for Rural Entrepreneurship: UBA-CSIR-VIBHA initiative.



### <u>A set of CSIR Technologies demonstration for rural development.</u>

Fig 1.1: Webinar - cum - Demonstration of shortlisted CSIR Technologies at IIT Delhi.

IIT Delhi, the National Coordinating Institute (NCI) for Unnat Bharat Abhiyan (UBA), organized a meeting for Technology Demonstration for Rural Entrepreneurship: a UBA-CSIR-VIBHA initiative held through the Virtual (Cisco Webex) platform and offline mode at IRD Conference Room, IIT Delhi on 19th March 2021.

The purpose of CSIR, UBA & VIBHA intends to work together on a framework for scientific intervention to create sustainable livelihood opportunities in the rural sector.

The Webinar attended by Dr. Ranjana Aggarwal (Director of CSIR- NISTADS, New Delhi), Shri Jayant Sahasrabudhe (National Organising Secretary, VIBHA), Prof. Arun Kumar Sarma (DG, NECTAR), Prof. V.K. Vijay (National Coordinator, UBA), Dr. Omkar Rai (Director General, STPI), Prof. Vivek Kumar (UBA Coordinator), Prof. Priyanka Kaushal (Co-PI, UBA, IIT Delhi) & Various stakeholders including science experts, field experts, Regional Coordinating Institutes and Participating Institutes from Delhi, NCR region.

#### List of CSIR Technology Demonstrated for Rural Entrepreneurship:

• Improved Jaggery Making Plant "Gur Bhatti" by Dr. Pankaj Arya, CSIR-Indian Institute of Petroleum (IIP), Dehradun.

- Process for making biodegradable plates, cups and cutleries from agricultural residues/waste by Dr. Anjineyulu Kothakota, CSIR-NIIST, Thiruvananthapura.
- **Sericulture** by Dr. Sunil Misra, CSIR-IICT, Telangana.
- Vitamin D2-enriched Shiitake mushroom production and processing by Dr. Rakshak Kumkar, CSIR-IHBT, Palampur.
- Application for supply chain and freight transportation management system for farmers by Ms Farhat Azad, CSIR-NISTADS, New Delhi.



## Webinar-Cum-Video Demonstration of the Technologies



# Biodegradable products like from Agro-waste/residues



Improved Jaggery Making Plant "Gur Bhatti"



Plates using wheat bran Multigrain bowl



Corn husk Sugar cane bagasse

Plates, glass and tray using rice husk

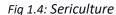
Tray using fruit peel Banana stem

Pankaj Kumar Arya (Senior Scientist) **CSIR-Indian Institute of Petroleum** 

Fig 1.2: Improved Jaggery Making Plant "Gur Bhatti"

Fig 1.3: Process for making biodegradable plates, cups and cutleries from agricultural residues/waste











Shiitake instant soup

Other value added products like shiitake- soup, chocolates, energy drinks and candies have been developed.

Fig 1.5: Vitamin D2-enriched Shiitake mushroom production and processing



Fig 1.6: Application for supply chain and freight transportation management system for farmers

### LINKS:

• KISAN SABHA APP: Click here to download

• YouTube: <a href="https://youtu.be/ZSHDYD9h4PY">https://youtu.be/ZSHDYD9h4PY</a>