

A.S.D.GOV'T. DEGREE COLLEGE FOR WOMEN (A)

(Re-Accredited with 'B' Grade by NAAC)

(Affiliated to Adikavi Nannaya University)

Jagannaickpur, Kakinada.

DEPARTMENT OF MICROBIOLOGY



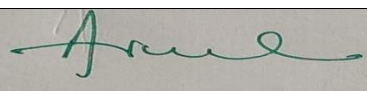

Invited Talk

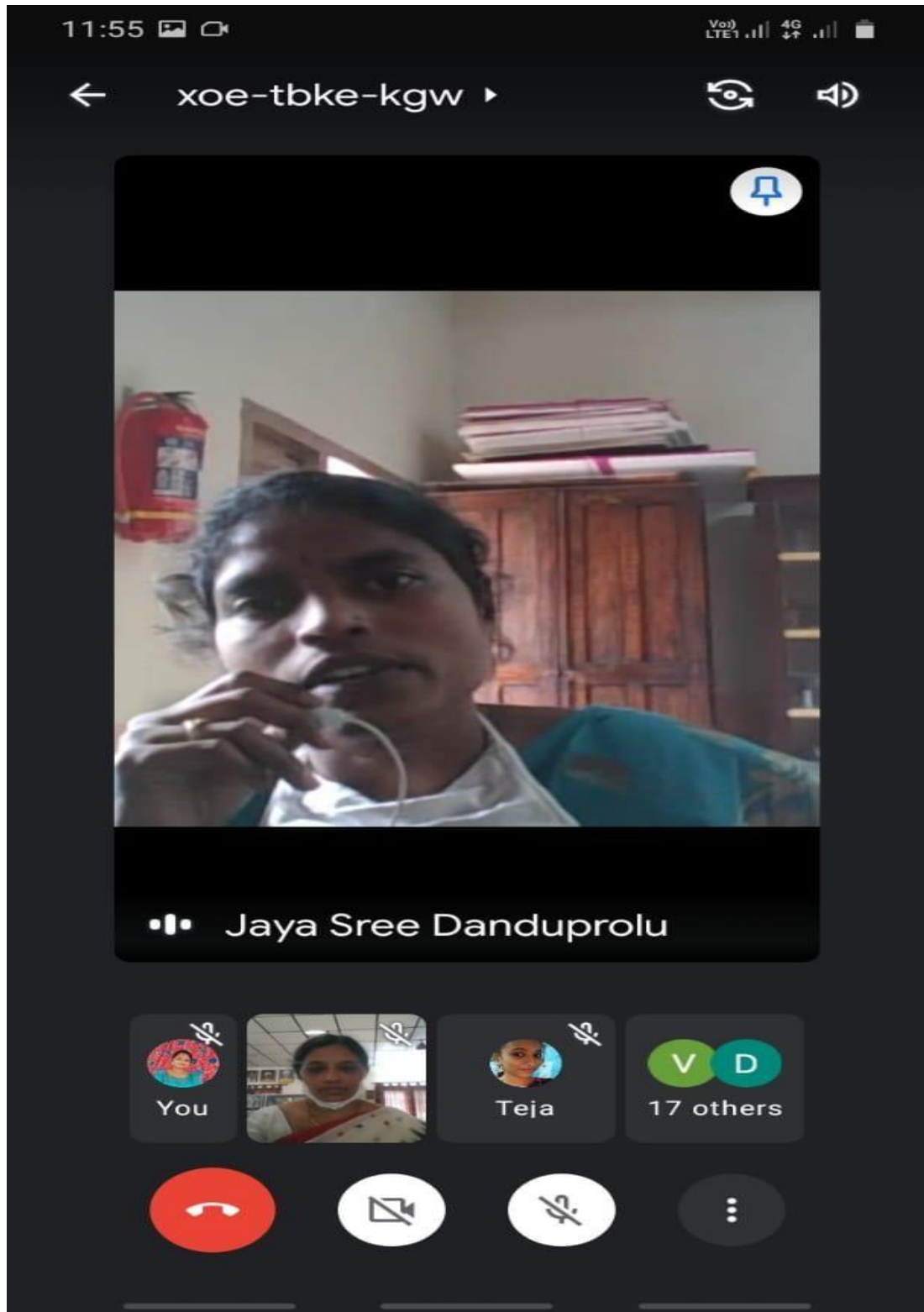
On SCP

ON

15th December 2020

A.S.D. GOVT. DEGREE COLLEGE FOR WOMEN (A)
Department of Microbiology

Date	15th December 2020
Conducted through (DRC/JKC/ELF/NCC/NSS/Dept etc.)	Department of Microbiology
Nature of Activity (Seminar/Workshop/Extn.Lecture etc.,)	Invited Talk
Title of the Activity	Invited talk on Single Cell Protein
Name of the Department/Committee	Department of Microbiology
No. of students participated	16
Brief Report on the activity	Invited talk on Single Cell Protein was delivered virtually by Smt. D.Jaya Sri, Lecturer In Charge Dept of Microbiology Govt. Arts College Rajahmundry. Madam explained that the world would need to produce 1,250 million tonnes of meat and dairy per year to meet global demand for animal-derived protein at current consumption levels. New solutions are needed. Single cell protein (SCP), i.e., protein produced in microbial and algal cells, is an option with potential. Much of the recent interest in SCP has focused on the valorisation of side streams by using microorganisms to improve their protein content, which can then be used in animal feed. There is also increased use of mixed populations, rather than pure strains in the production of SCP. In addition, the use of methane as a carbon source for SCP is reaching commercial scales and more protein-rich products are being derived from algae for both food and feed.
Name of the Lecturers who Planned & conducted the activity	Dr. K. Aruna
Signature of the Dept. In-Charge/Convener of the Committee	
Signature of the Principal	 Signature of the Principal PRINCIPAL A.S.D.GOVT.DEGREE COLLEGE (W) AUTONOMOUS KAKINADA
Remarks	



**Smt. D.J aya Sri, Lecturer In Charge Dept. of Microbiology, Govt. Arts
College Rajahmundry delivering on SCP**

Meet - xoe-tbke-kgw (8) WhatsApp

meet.google.com/xoe-tbke-kgw

Jaya Sree Danduprolu is presenting

11:36 AM

A list of the micro-organisms used for SCP production

Fungi

- *Aspergillus fumigatus*
- *Aspergillus niger*
- *Rhizopus cyclospium*

Yeast

- *Saccharomyces cerevisiae*
- *Candida tropicalis*
- *Candida utilis*

Algae

- *Spirulina sps.*
- *Chlorella pyrenoidosa*
- *Chondrus crispus*

Bacteria

- *Pseudomonas fluorescens*
- *Lactobacillus*
- *Bacillus megaterium*

FUNGI YEAST ALGAE BACTERIA

Participants: You, Rama Sattala, Teja Swi, Lavanya Shetty, Kare Chinnari, Anusha Grace, sujatha gaganam

11:58

About this call

People Information

People	Information
sony sonia (You)	
Anusha Grace	📞 ⋮
DEVI RUTTALA	📞 ⋮
Durga Sampathi	📞 ⋮
Ganta Dhanalakshmi	📞 ⋮
gudimetla bhanu	📞 ⋮
Jaya Sree Danduprolu	📞 ⋮
Jaya Sree Danduprolu	📞 ⋮
KALADI VATSAVI	📞 ⋮
Kare Chinnari	📞 ⋮
kopuri aruna	📞 ⋮
Mamatha Prasanna	📞 ⋮
Ramya Sattala	📞 ⋮
Sudha mounika Machavar...	📞 ⋮
sujatha gaganam	📞 ⋮

List of Students participated