



Dyanopasak Shikshan Prasarak Mandal Manora

**MATOSHRI SUBHADRAI PATIL ARTS &
LATE PANDURANGJI THAKARE COMMERCE COLLEGE**
MANORA DIST. WASHIM, 444404 [MS INDIA]

Affiliated to Sant Gadge Baba Amravati University, Amravati NAAC Accredited 'B' Grade

A Report on Guest Lecture

GUEST LECTURE

ON

MYCORRHIZA, ITS TYPE & APPLICATION

Under Linkage for Faculty Exchange

Date: 27/02/2021

Submitted to

Dr. N. S. Thakare

Principal

Submitted by

Dr. M.N. Iqbal

Asst. Prof. and Head Department of Botany

**M. S. P. Arts, Science & K. P. T. Commerce College, Manora Dist.
Washim**

A Report on Guest Lecture

**GUEST LECTURE
ON
MYCORRHIZA, ITS TYPE & APPLICATION**

➤ **Introduction**

Department of Botany, MSP arts, Science and KPT Commerce College, manora organized online guest lecture on “**Mycorrhiza, Its type & applications**” for B.Sc. I year students on **27 Feb. 2021**.

The speaker for Guest lecture was Dr. Swati S. Tathod, who is presently working with Department of Botany Shri. Vitthal Rukmini arts, commerce & science college, Savana Dist. Yawatmal, as Assistant professor & Head, having 12 years of teaching experience in the field of plant science.

The Event started with welcoming of principal sir Dr. N.S. Thakare, key speaker Dr. Swati S. Tathod mam, all teachers and students.

Then Mr. S.R. Aher sir introduced key speaker by giving her detail information and topic of the lecture to student.

Then the resource person started her lecture on “**Mycorrhiza, Its type & applications**”

The lecture started around 9.30 am and ended around 10.40 am. Her talk was mainly focus on types of mycorrhiza, in comparison with ectomycorrhiza and endomycorrhiza and its application

The lecture was very informative and the lecture was received with a feeling of respect and approval of students and they also found a slides appropriate.

The event ended with vote of thanks given by Dr. M.N. Iqbal sir assistant professor & Head Department of Botany.

➤ Details of Guest lecture

Date and time: 27th February 2021, 09.30 AM to 10.040 AM

Audience: UG Students B.Sc.

Name of the Speaker: Dr, Swati S. Tathod Assistant Professor & Head Department of Botany Shri. Vitthal Rukmini arts, commerce & science college, Savana Dist. Yawatmal

Title: Mycorrhiza, its type & Application

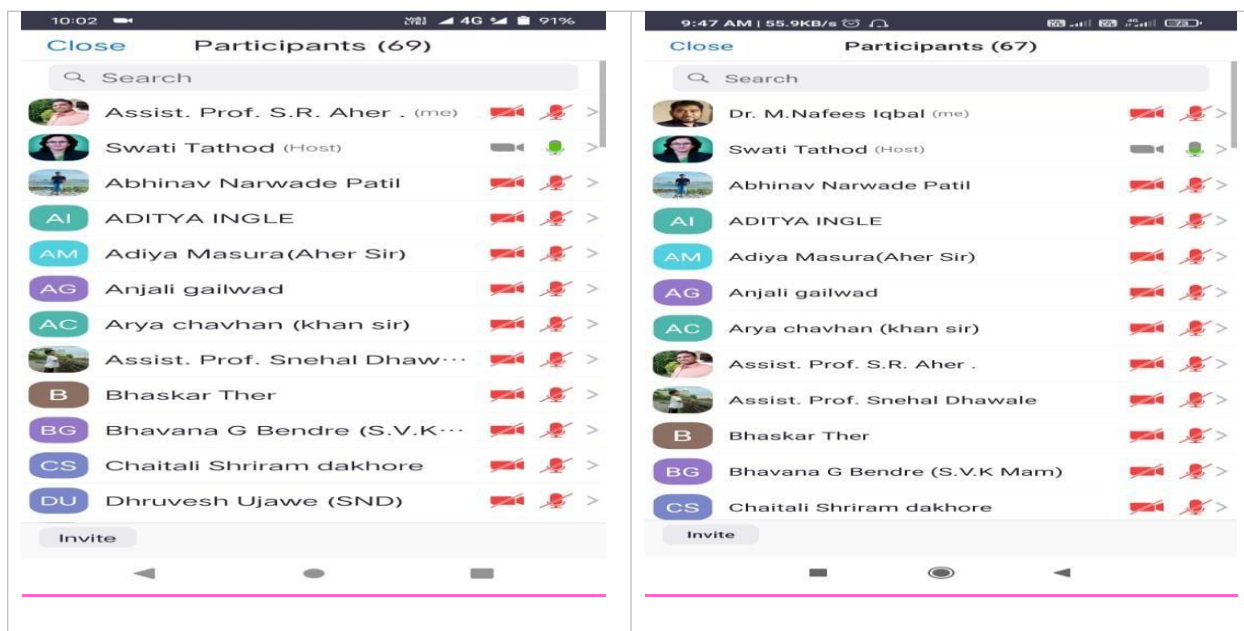
Organizer: Department of Botany M.S.P. College Manora

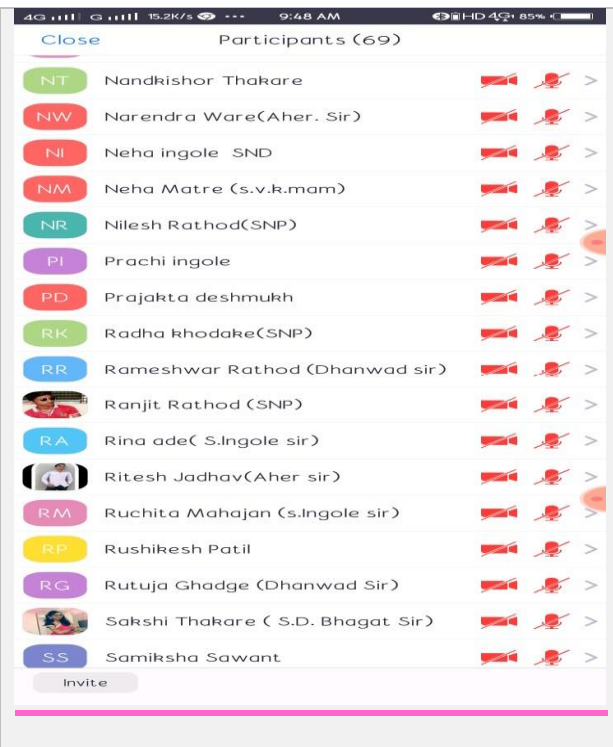
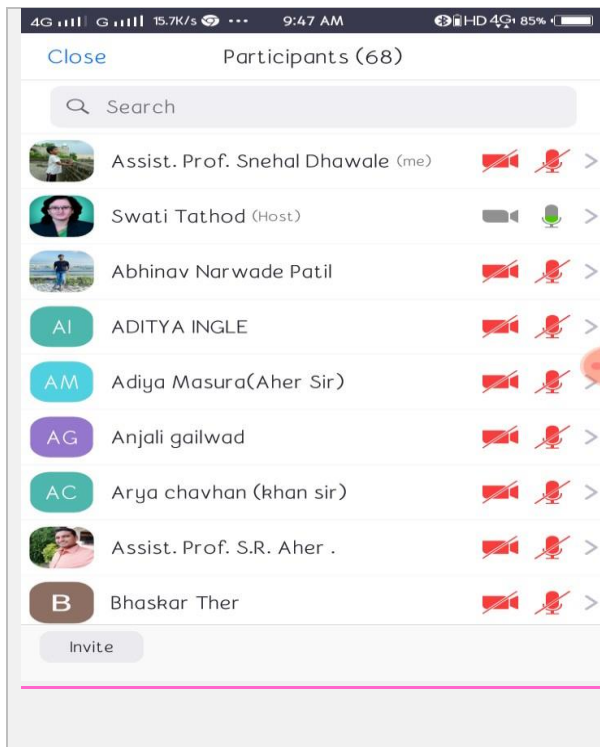
Chairperson and Inaugurator: Dr. N.S Thakare, Principal

Organizing Secretary: Dr. M.N. Iqbal, Mr. S.R. Aher and Miss. S. N. Dhawale

No of Participants: 69

➤ Photogalary of Guest lecture





10:13 AM 53.6KB/s

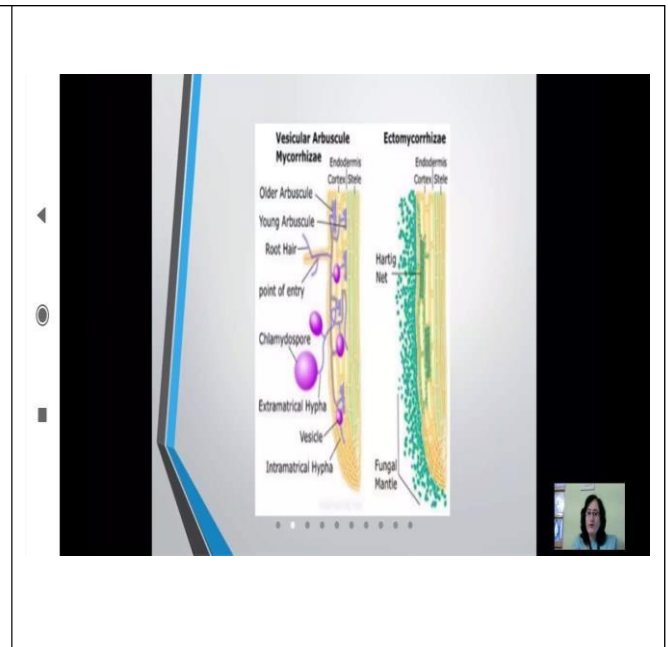
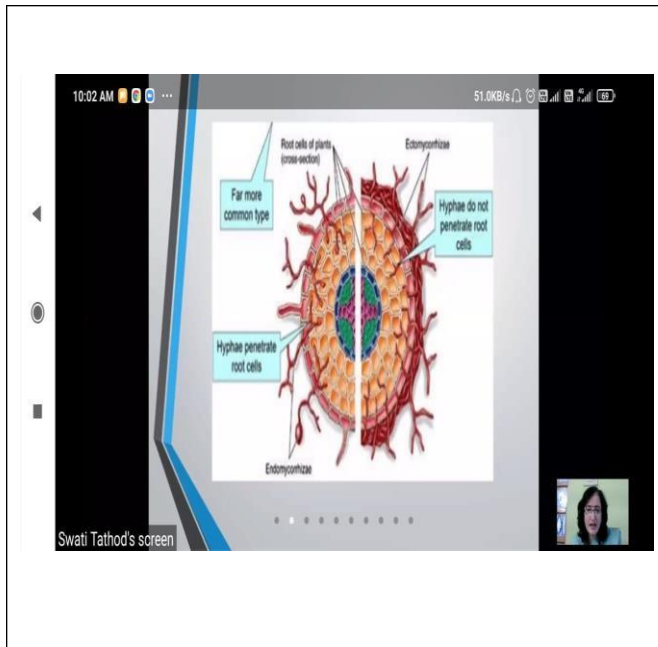
Mycorrhiza	Host range	Types of relationship
Ecmycorrhiza	Gymnosperms and Angiosperms	Sheath, intercellular hyphae
Endomycorrhiza (VAM)	All groups of plant kingdom	Coiled intracellular hyphae, vesicle and arbuscules present
Ectendomycorrhiza	Gymnosperms and Angiosperms	Sheath optional, inter and intracellular hyphae
Monotropoid mycorrhiza	Very restricted, Monotropaceae	Sheath, inter and coiled intracellular hyphae
Arbutoid mycorrhiza	Very restricted, Ericales	Sheath, inter and coiled intracellular hyphae
Orchid mycorrhiza	Restricted, Orchidaceae	Only coiled intracellular hyphae
Ericoid mycorrhiza	Very restricted, Ericales	No sheath, no intercellular hyphae, long, coiled

REC

Orchid mycorrhiza

- At some point of time all Orchids are infected by orchidaceous mycorrhiza - **Basidiomycota**.
- Orchids **germinate only after infection** by mycorrhiza. Ex: *Rhizoctonia sp.*
- Within cells, hyphae form coils called **pelotons** which greatly increase the interfacial surface area between orchid and fungus.

Swati Tathod's screen



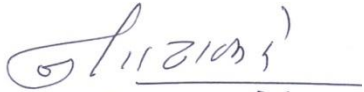
Zoom meeting link for Guest Lectures:

1. **Dr. Swati S. tathod Resource person**

<https://us04web.zoom.us/j/71892404763?pwd=cndyTTA3MlkweGQ3b1V0b3ZidUNyUT09>


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