

A report on one day webinar “*Role of insects and fungi in forest ecosystem: Challenges & future perspective*” organized by Forest Protection Division, TFRI (ICFRE) Jabalpur (M.P.) on August 26, 2020 by using the web based virtual platform

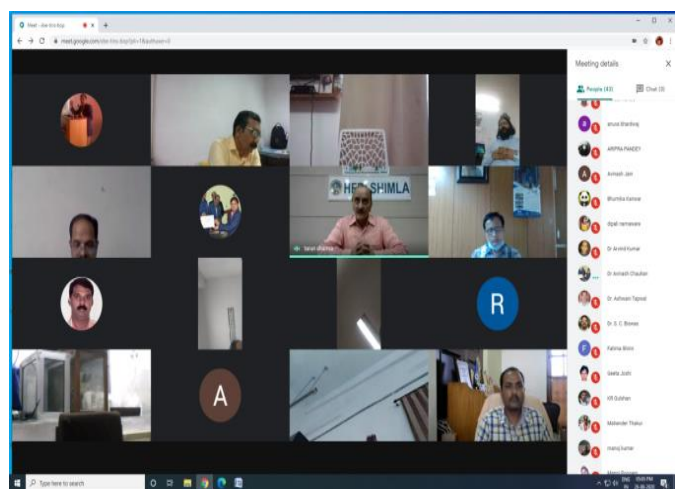
A one day webinar “*Role of insects and fungi in forest ecosystem: Challenges & future perspective*” was organized by Forest Protection Division, TFRI (ICFRE) Jabalpur (M.P.) on Wednesday, 26 August 2020 by using the web based virtual platform. It was attended by 67 participants from Scientists, Academicians and researchers and Forest field officials of ICFRE, ICAR, Universities and State forest Departments and other institutions from across the country.

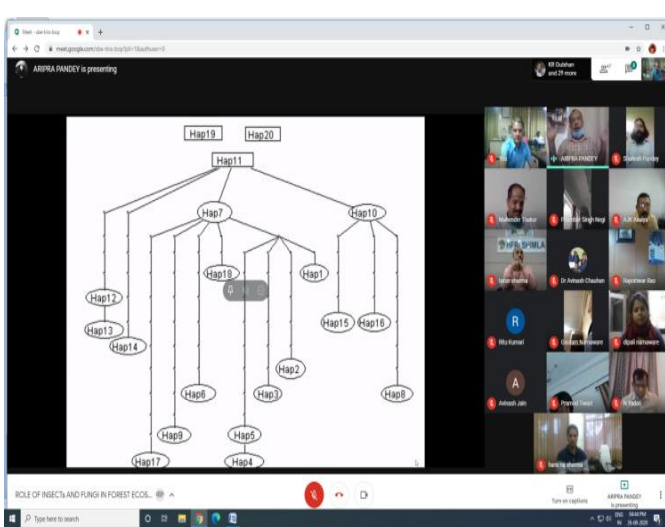
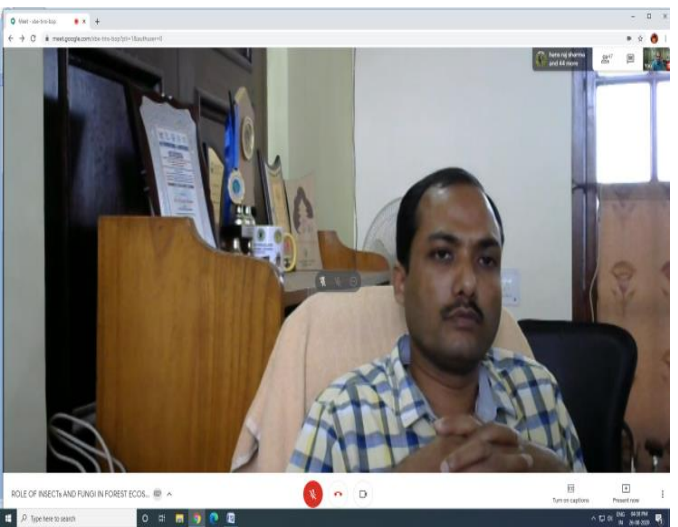
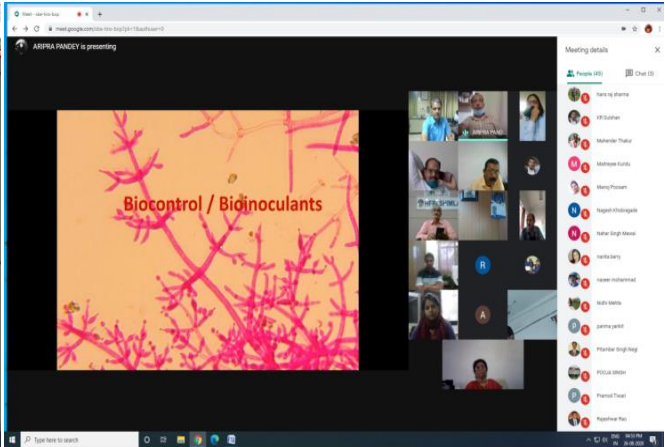
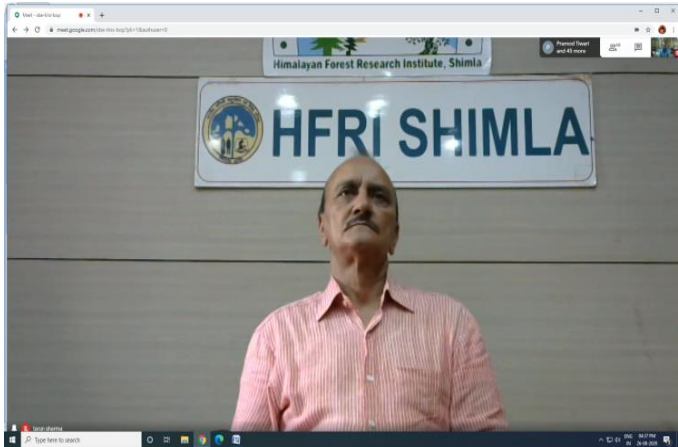
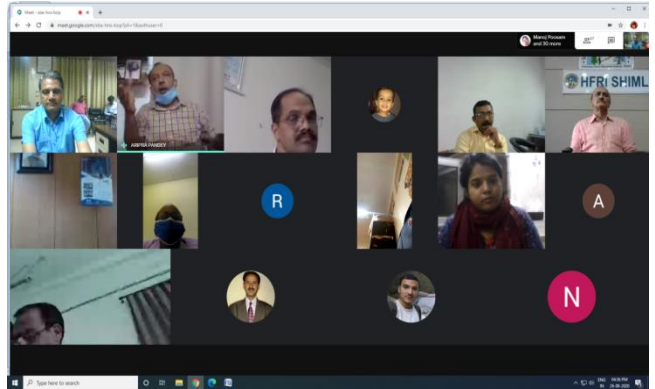
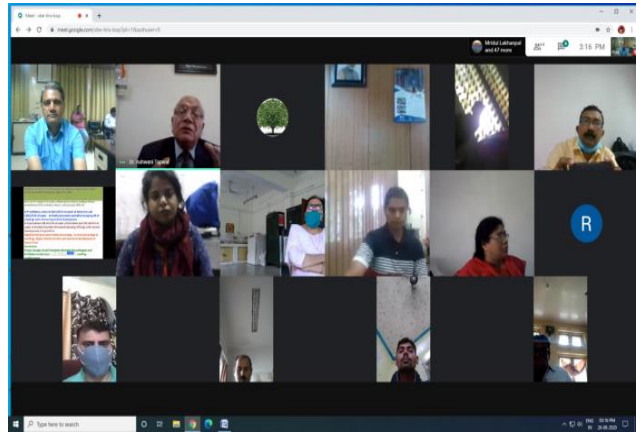
Dr. Pawan Kumar scientist-E & Head Forest Protection Division, TFRI (ICFRE) Jabalpur welcomed the participants. Dr. G. Rajehwar Rao ARS, Director TFRI (ICFRE) Jabalpur delivered the inaugural address and stressed on conducting such events during the pandemic like crisis by optimum utilization of the technology to bring eminent experts on a same platform to share their research experiences. He further emphasized that due to recent uncertain insect pests and disease outbreaks, the research should be prioritized to develop safer ecofriendly biocontrol practices to minimize the dependence on harmful chemical insecticides.

Three leads talks were delivered by the invited speakers during the technical session which started with the lead talk of Prof. T.N. Lakhanpal, Prof. Emeritus & former Dean, Life Sciences HPU, Shimla on ‘*Role of mycorrhizae in forest tree disease*’. Another lead talk was delivered by Prof. S.P. Bhardwaj former Joint Director (Ext.)YSPUHF, Nauni, Solan (HP) on ‘*Insects: connotation, threats and prospectives in Forest ecology*’. Dr. Amit Pandey Scientist-G & Head, FPD FRI (ICFRE), Dehradun U.K. delivered his lead talk on ‘*Global issues and challenges in forest pathology*’.

During the event Dr. Arvind Kumar Scientist FRI Dehradun (U.K.) and Dr. Avinash Chauhan, Central Agricultural University, Nagaland also expressed their views on need to update the taxonomy of all the insects and fungus species and to focus on developing ecofriendly biocontrol practices to manage the insect pests and diseases in forest ecosystems. During plenary session strong consensus came out to organize such virtual meetings to tackle the lockdown like situations involving all the stakeholders to develop future research and development plan on different aspects of insect pests and fungi especially in forest ecosystem. The webinar concluded with Vote of thanks by Sh. AJK Asaiya, Scientist, TFRI Jabalpur (M.P.).

Glimpses of the Webinar





Meet - vbe-tins-bop

meet.google.com/vbe-tins-bop?pli=1&authuser=0

Fumigation of nursery to control weeds and pathogens eliminates the residual inoculation of EM in loblolly pine (Marx et al, 1978)

Effect of soil fumigants Formaline and Methyle bromide on seedlings of *Pinus gerardiana* and *Picea smithiana* (Kumar and Lakhanpal, 1990, 92)

In *P. smithiana* a dose of 210 ml/4 lit of water of formaline and 130ml/4 lit of water of Methyle bromide controlled damping off of seedlings with normal Mycorrhizal development

In *P. gerardiana* 190 ml/4 lit of water of formaline and 110 ml/4 lit of water of methyle bromide eliminated damping off fungi with normal development of mycorrhiza

Significantly higher germination percentage, survival percentage of seedlings, higher shoot/root ratio and maximum development of mycorrhizae

Conclusion:
Proper dosages of soil fumigants eliminate the pathogens and facilitates normal mycorrhizal development of seedling establishment

Meeting details

People (64)

Chat

Akhil Sharma 2:15 PM
Good after noon Pawan Sir...

Dr. Sanjay Khajuria 2:15 PM
Good afternoon Dr Pawan Ji

Kim jong un 2:17 PM
Good afternoon Pawan Sir

Akhil Sharma 2:18 PM
Thankyou Sir for invitation...

Dr Avinash Chauhan 2:19 PM
Goodafternoon sir

manoj kumar 2:19 PM
Good afternoon Dr. Pawan sir

tsuman singh 2:19 PM
Good afternoon sir

hans raj sharma 2:23 PM
good afternoon to all

Dr Avinash Chauhan 2:25 PM
Goodafternoon Dr Hanstraj sir

TRIRI jabalpur 2:27 PM
sajed sir is requested to plz stop sh sharing presentation

hans raj sharma 2:29 PM
good afternoon avinash

Send a message to everyone

Presentation (Dr. Ashwani Tapwal)

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03:17 PM
26-08-2020

Meet - vbe-tins-bop

meet.google.com/vbe-tins-bop?pli=1&authuser=0

ARIPRA PANDEY is presenting

Green skill

Lack of industries

New approach / raw material

ROLE OF INSECTS AND FUNGI IN FOREST ECOS...

Meeting details

People (45)

Chat (3)

Geeta Joshi

hans raj sharma

KR Gulshan

Mahender Thakur

Mahyee Kundu

Manoj Poozari

Nagesh Khobragade

ARIPRA PANDEY is presenting

Turn on captions

03:24 PM
26-08-2020

Meet - vbe-tins-bop

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Extensive use of chemicals to control disease poses a serious threat to plant production system.

Use of beneficial micro-organisms is one of the alternative management practices.

This alternative approach is based on either manipulating or adding microorganisms to enhance plant protection.

The beneficial microbe (antagonistic bacteria: *Pseudomonas fluorescens*, *Bacillus subtilis*) and fungi (AMF, *Trichoderma* etc.) compete with plant pathogens for nutrient and space, by producing antibiotics, by parasitizing pathogens or by inducing resistance.

Meeting details

People (62)

Chat

Dr. Pawan Karna (You)

AJK Ananya

Akhil Sharma

Alfred Francis

Amit Pandey

Arjana Jain

Anurag Jain

Ashish Swati

Ashwani Kumar

Avinash Jain

Bhumiika Kanwar

chohpe prapatti

DEEPAK KUMAR GUPTA

Devcharan Kori

dgali namaware

Presentation (Dr. Ashwani Tapwal)

Dr. Ashwani Tapwal
at the beneficial microbes how the microbes they can be used against the for controlling different organisms

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26-08-2020