



Webinar
DISCUSSION MEETING
ON

“CHALLENGES IN THE MANAGEMENT OF PHYTOPLASMA DISEASES”

5th FEBRUARY, 2021

Organized by

INSTITUTE OF WOOD SCIENCE AND TECHNOLOGY (IWST), Bengaluru (ICFRE)

in association with

ENTOMOLOGICAL SOCIETY OF INDIA (ESI), NEW DELHI

Phytoplasmas are a group of plant-pathogenic, gram-positive, phloem-inhabiting and unculturable wall-less bacteria that belong to the class Mollicutes. They are fascinating organisms and are transmitted from plant to plant by phloem-feeding insect vectors and they are known to affect more than 1,000 plant species. Following the discovery of phytoplasmas, their tiny cell size and the difficulty in culturing them hampered their biological classification and restricted research to ecological studies and identification of insect vectors. The recent advances in molecular biology encouraged the investigation of phytoplasmas at the molecular levels. In this context, this discussion meeting is organized with phytoplasmaologists and entomologists for discussion and to share their experiences of how they unraveled the secrets of these elusive bacteria.

Time	Programme
10:00am-10:30am (Inauguration)	<p>Welcome Address: by Dr. R. Sundararaj, Scientist-G, IWST, Bengaluru Address by Shri V.S. Shettappanavar, IFS, Group Co-ordinator (Research), IWST, Bengaluru</p> <p>Introduction to the theme of the meeting Dr. N.K.Krishna Kumar, Vice President, ESI and Ex DDG, ICAR</p> <p>Presidential address: Dr. M.P. Singh, IFS, Director, IWST</p> <p>Inaugural address: Shri A.S. Rawat, IFS, Director General, ICFRE, Dehradun</p> <p>Release of Technical Bulletin on Phytoplasma diseases in Forestry by the DG, ICFRE</p> <p>Keynote Address: Prof. C.A. Viraktamath, Professor Emeritus, UAS, GKVK</p> <p>Systematics and Ecology of the Vectors of Phytoplasma</p> 
Topic of presentations	
10:30am-11:00am	<p>Our Understanding About Phytoplasma Disease Research in India Dr. Govind P Rao, Professor of Virology, IARI, New Delhi</p> 
11:00am-11:30am	<p>Global scenario on Phytoplasma diseases in palms Dr. Vinayaka Hegde, Principal Scientist, ICAR-CPCRI, Kasaragod, Kerala</p> 
11:30am -12:00pm	<p>Ever Expanding Borders of Phytoplasma Invasion: Indian Scenario of a Fast Dispersing Vector Borne Pathogen of Flower Crops Dr. K.V. Prasad, Director, Directorate of Floriculture, Pune</p> 
12:00pm-12:30pm	<p>Current Status of Phytoplasma Classification and Taxonomy Dr. Amit Yadav, Scientist-D, National Centre for Microbial Resources, National Centre for Cell Sciences (DBT), Pune</p> 
12:30pm-1:00pm	<p>Genome editing in imparting resistance to phytoplasma Dr. R. Asokan, Principal Scientist, IIHR, Bengaluru</p> 
1:00pm-1:30pm	<p>Molecular mechanism underlying symptom development in Phytoplasma associated diseases - The key players and their role Dr. Suman Lakhanpaul, Professor of Botany, University of Delhi</p> 
1:30pm – 2:30 pm	<p>Lunch Break</p>
2:30pm-2:50pm	<p>Diagnosis of phytoplasma associated with the sandalwood spike disease Dr. Bikash Mandal, Professor of Virology, IARI, New Delhi</p> 
2:50pm-3:10pm	<p>Emerging phytoplasma diseases in forestry and the challenges in search of their insect vectors Dr. R. Sundararaj, Scientist G and Head, FP Division, IWST, Bengaluru</p> 
3:10pm-3:30pm	<p>Vector-phytoplasma relationships in palms and impacts on epidemiology Dr. Brian Bahder, University of Florida, USA</p> 
3:30pm-5:00pm	<p>Panel discussion and policy guidelines for management of phytoplasma diseases</p> <p>Vote of thanks</p>

Join by Cisco Webex meeting.

Link: <https://iwst-blr.webex.com/iwst-blr/j.php?MTID=m5d04da14d06a8fcb0b280804894e225d>

Meeting number: 176 567 5360

Password: eXrJ6x3CUg5