

ICAR-NBAIR: ANRF-Sponsored Workshop Organized under SSR Activity

ICAR-NBAIR conducted workshop on “*Integrative Taxonomic Approaches for Identification of Whiteflies and its Associated Natural Enemies*” during 29th and 30th of September, 2025 under Scientific Social Responsibility (SSR) Activity of on-going research project sponsored by Anusandhan National Research Foundation (ANRF), New Delhi. Workshop was inaugurated on 29th September, 2025 by Dr. S.N. Sushil, Director, ICAR-NBAIR in presence of Dr. R. Sundararaj, Former Scientist-G of Institute of Wood Science and Technology, Bengaluru. The Director highlighted the recent research advancements on invasive whiteflies and diagnostic techniques.



The technical sessions were designed to provide comprehensive hands-on training to participants. The major themes included collection and preservation of whiteflies and their parasitoids, Preparation of specimens (whiteflies & parasitoids) for permanent slide, Morphological identification of whiteflies and parasitoids, Isolation of DNA from whiteflies and their natural enemies, Polymerase chain reaction/Gel electrophoresis for amplifying a gene, Editing of Sanger's sequencing for species confirmation and phylogenetic analysis by using molecular tools. Besides, novel molecular detection assay through species-specific molecular markers and isothermal amplification (LAMP, RPA, HDA and CRISPR Cas) for identify the whiteflies and its parasitoids. The workshop was attended by 33 participants representing 24 organizations from ICAR based teaching and research faculty of Deemed to be Universities/ SAUs/ CAUs/ CUs/ other UGC recognized Universities & research institutes located across 10 states. This workshop was concluded with thanking the funding

organization (ANRF, New Delhi) and coordinated by Dr. K. Selvaraj, Dr. T. Venkatesan, and Dr. B. S. Gotyal of ICAR–NBAIR, Bengaluru.



Source: The Director, ICAR-National Bureau of Agricultural Resources, Bengaluru