ICAR Sponsored HRD Training on
“Use of semiochemicals as biocontrol compatible technology for insect pest management”
16.11.2026 to 20.11.2026

ICAR–National Bureau of Agricultural Insect Resources (ICAR-NBAIR), Bengaluru, organized a five-day ICAR sponsored training programme on **“Use of Semiochemicals as Biocontrol-Compatible Technology for Insect Pest Management”** from 16 to 20 November 2026 at ICAR – NBAIR Hebbal campus. The programme aimed to enhance participants’ knowledge of semiochemicals, nanotechnology and their integration with biological control for sustainable insect pest management.

The programme was inaugurated on 16 November 2026 by Dr. T. Venkatesan, Director (A), ICAR-NBAIR. In his inaugural address, he emphasized the need for environmentally friendly alternatives to conventional pesticides and highlighted the potential of semiochemicals as eco-friendly, biocontrol-compatible tools for strengthening integrated pest management (IPM).

A total of 23 participants *viz*., scientists and research scholars across six states participated in the programme. The training comprised of expert lectures from faculties of ICAR – NBAIR, ICAR – IIHR, ICAR – IARI, ICAR – NIRCA, CSIR – CIMAP, Bengaluru Region, SPPU, Pune, TNAU, JNCASR, INST Mohali, BRIC NIPGR New Delhi and CoE GKVK. The sessions also included the demonstration of instrumentation involved in characterization and applications of semiochemicals in insect chemical communication, identification and characterization of semiochemicals, in pest management. The topics related to herbivore-induced plant volatiles (HIPVs), the integration of semiochemicals with biological control, and the application of nanotechnology for developing sustained-release delivery systems and nanosensors for plant protection. The role of semiochemicals in pollinator ecology was also discussed.

The programme concluded on 20 November 2026 with a valedictory session chaired by Dr. T. Venkatesan, Director (A), ICAR-NBAIR. The training report was presented by Dr. Kesavan Subaharan, Course Director and Head, Division of Germplasm Conservation and Utilization. Dr. Deepa Bhagat and Dr. M. Sujithra served as Course Coordinators and Dr. U Amala, Dr. Richa Varshney, Dr. M. Sampath Kumar and Dr. Gundappa B served as Course Coordinators. The training programme is expected to strengthen the participants research and technical capabilities and promote the adoption of semiochemical based technologies and innovative delivery systems as sustainable, biocontrol-compatible components of integrated insect pest management.





Participants of the training on Use of semiochemicals as biocontrol compatible technology for insect pest management held from 16 – 20 November 2026 at ICAR - NBAIR

Lectures by resource persons








Visit to JNCASR and Yelahanka campus of ICAR - NBAIR





Laboratory visits







