

ICAR NBAIR organized a webinar #009 as part of Azadi Ka Amrut Mahotsav on 02.11.2021

ICAR – NBAIR webinar series # 008

भा. कृ. अनु. प. राष्ट्रीय कृषि कीट संसाधन न्यूसरो

ICAR – National Bureau of Agricultural Insect Resources
Bengaluru

आजादीकाअमृत महोत्सव
02 November 2021 at 14.30 – 16.00 hrs.

Distinguished Speaker

Dr. T. R. Sharma
DDG (CS) ICAR

Dr. S. C. Dubey
ADG (PP&BS), ICAR

Dr. M. Nagesh
Director in charge
ICAR – NBAIR

Prof. Rajababu V. Vyas
AAU, Anand

Dr. Kesavan Subaharan
Prog. Coordinator

Talk on:
'Microbes for IPM and its importance in Atmanirbhar Bharat for sustainable crop production'

Zoom Link:
<https://us02web.zoom.us/j/88615469574?pwd=and3NEcTVjZlRlNkY0YkZlNkZlOU1Bd099>

ICAR-NBAIR organized a webinar 009 as a part of Azadi Ka Amrit Mahotsav on 02 November 2021. The speaker and participants of the webinar were welcomed by Dr Kesavan Subaharan, Principal Scientist, ICAR–NBAIR. In his introductory remarks, Dr R. Rangeshwaran, Principal Scientist (Microbiology) briefed on the importance of microbial biopesticides to scale down the pesticide residues and resistance development in insects due to over dependence on insecticides in agriculture. While introducing the speaker Prof. Rajababu V.Vyas, AAU, Anand he lauded the efforts made by the speaker in taking the results from the laboratory to farmers field. The efforts made by the speaker to take forward the microbial biopesticides and biofertilizer was appreciated.

Prof. Rajababu V.Vyas, AAU, Anand delivered a talk on 'Microbes for IPM and its importance in Atmanirbhar Bharat for sustainable crop production'. Dr.Babu prior to delivering his talk lauded the efforts taken by Dr.M.Nagesh, Director Acting ICAR NBAIR in inviting him to deliver the talk. He recalled his association with Dr.Nagesh on works related entomopathogenic nematodes. In his talk, he covered the basic to applied aspects of microbial pesticides viz., entomopathogenic fungi, bacteria, virus and nematodes for the management of insects. He deliberated upon the success stories and economic impact of effective strains of microbial pesticides globally. He explained about the case study on biological control of root knot nematode using antagonistic and parasitic fungus, *Paecilomyces lilacinus*. He also explained about the validation of effective microbial strains in crops like cabbage, groundnut and tomato. The availability of effective *Bacillus* based plant growth promoting rhizobacterial strains with dual role as entomopathogens as well as growth promotion in plants was discussed. The need for policy guidelines from government to bring in private industries into mass production and commercialisation of microbial biopesticides on industrial scale was discussed. The role of public private partnership in promotion of microbial pesticides in India was deliberated.

Over sixty-seven participants from ICAR institutes, AICRP (BC) and State Agricultural Universities attended the webinar. Among the participants were, Dr Chandish R. Ballal and Dr

N. Bakthavatsalam Former Directors of ICAR–NBAIR. Dr R.R. Rachana, Scientist (Entomology) proposed vote of thanks. The webinar was organized by Dr.Rangeshwaran, Dr.Kesavan Subaharan, Dr.Amala and Dr.Rachana.

This screenshot shows a Zoom meeting in progress. The main window displays a speaker, Dr. Rajababu Vyas, who is wearing glasses and a light-colored shirt. The top of the meeting interface shows the ICAR-NBAIR logo and several participant thumbnails. On the right side, there is a 'Participants (56)' list with search and control options for each attendee.

This screenshot shows a Zoom meeting where a slide titled "Evolution of Agriculture" is being presented. The slide features a timeline from 10000 to 1990, illustrating the progression of agricultural practices. The stages shown are Prehistory, Agricultural Revolution, Historical Agriculture, Feudal Agriculture, Scientific Agriculture, and Green Revolution. A green leaf icon is placed on the timeline between 1700 and 1900.

Year	10000	8000	2500	1 AD	500	1000	1500	1700	1800	1900	1960	1990	
Stage	Prehistory			Agricultural Revolution		Historical Agriculture			Feudal Agriculture		Scientific Agriculture		Green Revolution