

## ICAR-NBAIR successfully conducts virtual meet of its 24th Research Advisory Committee meeting on 7<sup>th</sup> May 2020

The 24<sup>th</sup> Research Advisory Committee (RAC) meeting of ICAR-NBAIR was held on 7<sup>th</sup> May 2020 through video conferencing. Scientists of ICAR-NBAIR had the rare occasion to have Dr T.R. Sharma honourable DDG (Crop Science), ICAR, attending the meet. The meeting was presided over by Dr. Hari C. Sharma, Ex Vice Chancellor, Dr Y.S. Parmar University of Horticulture and Forestry, Solan as Chairman, RAC. The other distinguished RAC members namely Dr Rajan ADG (PP), ICAR; Dr. S. Mohankumar, Director, Centre for Plant Molecular Biology and Biotechnology, TNAU, Coimbatore; Dr Sudhir Singh, Scientist-F & Head, Forest Research Institute, Dehradun; Dr. Pradyumn Kumar, Ex I/C Director, IIMR, Emeritus Scientist, Division of Entomology, ICAR-IARI, New Delhi; progressive farmers Sh. Nangundappa and Sh. Shivakumar also attended. Dr. Chandish R. Ballal, Director, ICAR-NBAIR started the meeting by presenting an overview of the institute's research progress followed by detailed presentations by heads of divisions namely Dr. N. Bakthavatsalam, Dr. M. Nagesh and Dr. Sunil Joshi. Dr. T. Venkatesan, Principal Scientist & Incharge-ITMU presented the ITMU activities of ICAR-NBAIR. Dr. M. Mohan acted as Member Secretary of RAC. All scientists participated and detailed discussions were held on the presentations. Valuable suggestions and recommendations emerged out of the meeting. Dr. N. Bakthavatsalam, HOD (GCU) proposed vote of thanks. The meeting through video conferencing was a grand success.



**Dr T.R. Sharma, Hon'ble DDG (Crop Science), ICAR addressed the participants**



**Dr. Chandish R. Ballal delivered the welcome address**



**Dr. Hari C. Sharma, Chairman RAC shared his valuable thoughts and ideas in the meeting**

**ICAR-National Bureau of Agricultural Insect Resources**

RECEIVED BEST ICAR INSTITUTE in 1998 &  
SECURED 1<sup>st</sup> RANK IN PUBLICATION INDEX AMONGST 101 ICAR INSTITUTES

**Germplasm Collection & Characterisation**  
Documentation  
Digitisation Online  
diagnostic tools, databases,  
Diagnostic keys  
Digitised inventory  
Distribution maps

**Germplasm Conservation & Utilisation**  
Anticipatory research – invasives  
Diversity mapping  
Climate change  
Climate resilient agents  
Conservation strategies Pest  
detection models Pheromone  
technologies / Nanotechnology

**Genomic Re**  
Barcodes  
DNA repo  
Molecular  
Whole genome  
sequencing  
Genetic variations  
Molecular & Serologica

Dr. Chandish R. Ballal, Director, ICAR-NBAIR has presented the overall achievements of the institute

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*Beauveria felinae*

**Quantification of Natural occurrence of microbial pathogens of FAW at Chikkaballapura district**

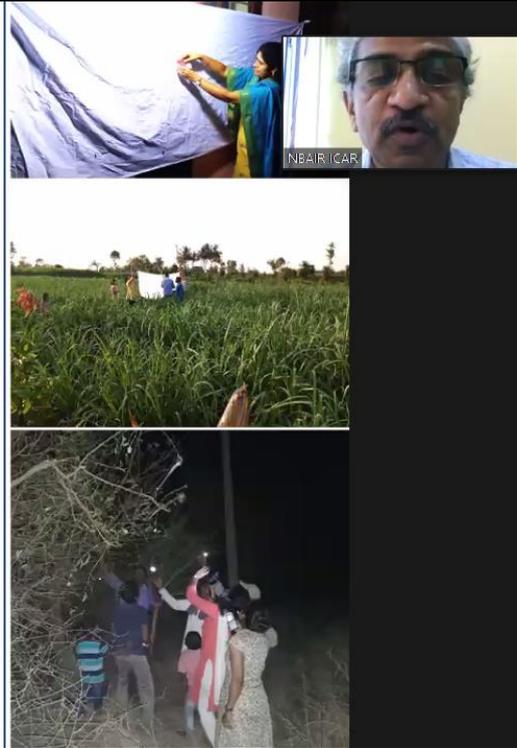
Fungal pathogens	: 74.07 %
Bacterial pathogens	: 9.17%
NPV	: 13.58%
Others	: 3.70%

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Dr. N. Bakthavatsalam, Head, Division of Germplasm Conservation and Utilisation presented the achievements under this division

## Survey and collections of scarabs

- The faunistic composition of collected phytophagous scarabaeids comprised of **83 species** under **21 genera** from **Northeastern** region and **57 species** under **16 genera** from **South India**.
- **Melolonthine** species were abundant with 49 species under 15 genera followed by **Rutelinae** with 30 species under four genera
- **Melolonthines**, *Cyphochilus* sp. and *Maladera mizoramensis* were more abundant in **Mizoram** while **rutelines**, *Anomala elata* and *Anomala communis* were more abundant across **Karnataka and Tamil Nadu**



**Dr. Sunil Joshi, Head, Division of Germplasm Collection and Characterisation presented the achievements under this division**



**ICAR-National Bureau of Agricultural Insect Resources**  
भा.क.अनु.प.-राष्ट्रीय कृषि शोध संसोधन ब्यूरो  
Indian Council of Agricultural Research

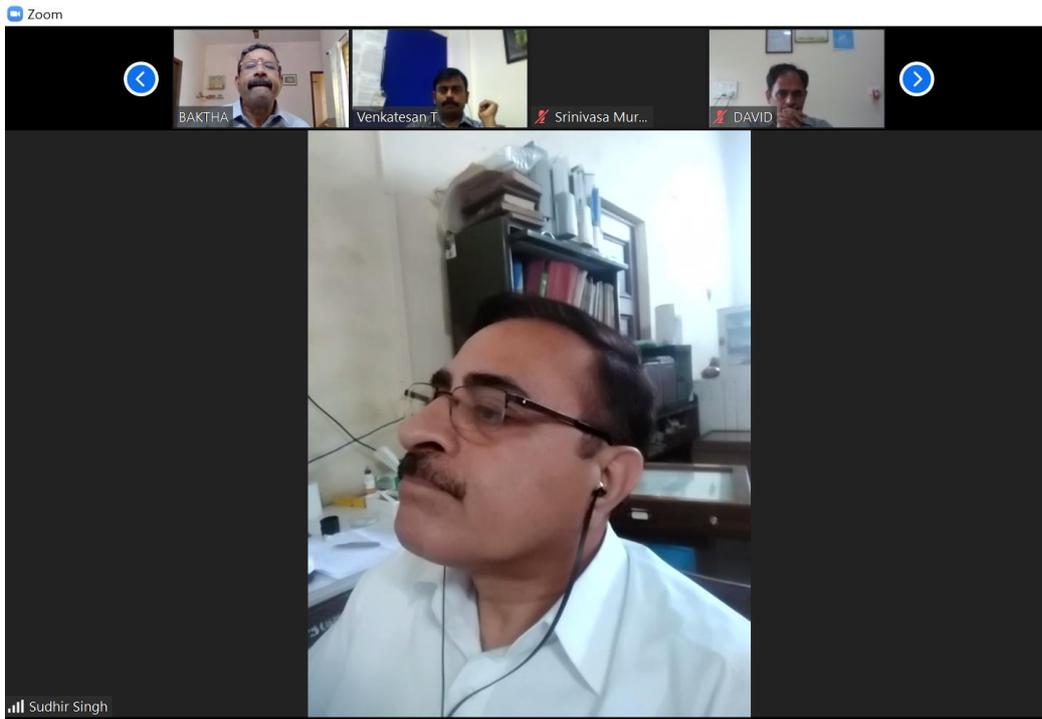
### Division of Genomic Resources

#### Mandate

- DNA Barcoding & Molecular Characterization
- Use of bioinformatics tools and development of genomic databases
- Endosymbionts and determination of their functional role
- Whole-genome sequencing of some important insects and entomopathogenic nematodes.
- Gene and allele mining for the selection of genes of specific interest and their utilization.



**Dr. M. Nagesh, Head, Division of Genomic Resources presented the achievements under this division**



**Dr. Sudhir Singh, Scientist-F & Head, Forest Research Institute, Dehradun and Member-RAC, gave his remarks**



**Sh. Shivakumar (Progressive Farmer), Member-RAC interacted with Scientists of ICAR-NBAIR**



**ICAR-NBAIR Scientists and distinguished RAC members participated in virtual RAC meeting**

