

Training programme on From Reads to Revelations: Transcriptome Data Decoded concludes at ICAR-NAARM

11.12.2024

The Training programme on “From Reads to Revelations: Transcriptome Data Decoded” organized by ICAR-National Academy of Agricultural Research Management, Hyderabad from 9th-11th December 2024 concluded today. A total of 22 participants 16 female and 6 male participants representing 10 research disciplines from 7 ICAR Institutions and 6 State Agricultural Universities participated in the programme.

The program provided participants with a thorough and in-depth understanding of transcriptomics, from the initial raw RNA sequencing data to the extraction of valuable biological insights. The training focused on hands-on, real-world applications, enabling attendees to gain proficiency in using a wide range of bioinformatics tools such as FastQC, Trimmomatic, Bowtie2 and HISAT2. Additionally, participants learned to apply advanced statistical methods and tools like R studio, DESeq2 and edgeR for data visualization and statistical analysis for interpreting complex datasets and drawing actionable conclusions that could drive biological discoveries and research advancements.

In his valedictory address, Dr Ch. Srinivasa Rao, Director ICAR-NAARM, Hyderabad, emphasized the pivotal role of converting raw data into meaningful insights, a process that has the potential to revolutionize our approach to agriculture. He underlined the significance of understanding how plants express their genes in response to diverse environmental conditions. By leveraging transcriptomics, he stressed, we can pave the way for smarter, more sustainable agricultural practices and design climate-resilient crops that will secure food security for future generations. Dr V. Venkatasubramanian, Director, ICAR-ATARI, Bangalore and Dr G. Kadirvel Director, ICAR-ATARI, Guwahati also graced the valedictory program, lending their esteemed presence to the occasion. The program ended with vote of thanks given by Dr M Balakrishnan, Principal Scientist, ICAR-NAARM. The program was coordinated by Dr P Supriya, Scientist, ICAR-NAARM.


ICAR-National Academy of Agricultural Research Management


Rajendranagar, Hyderabad- 500030

Training Programme on "From Reads to Revelations: Transcriptome Data Decoded"
 9-11 December, 2024



Front Row (L-R) : M. Balakrishnan; P. Supriya (Programme Director); Ch. Srinivasa Rao (Director, NAARM); A. Dhandapani
Middle Row (L-R) : Swaraja Lakshmi; Vyshnavi; K. Swarnalakshmi; Repaka Harika; Kota Sahithi Chowdary; Adama Thanuja; Boddu Sangavi; T. Manushri; Monu Karki; Navya Pothireddy; Methuku Anil Kumar; Vedant Prajapati; Shrikant Dodamani
Rear Row (L-R) : B. Rajya Lakshmi; Thamidela Meera Devi; Neeli Priyanka; Chava Asritha; Sreeja Sureddy; P. Yazhini; Pogala Kranthi; E. Santosh Kumar; Sk. Hasena Banu; Deepika Cheruku

