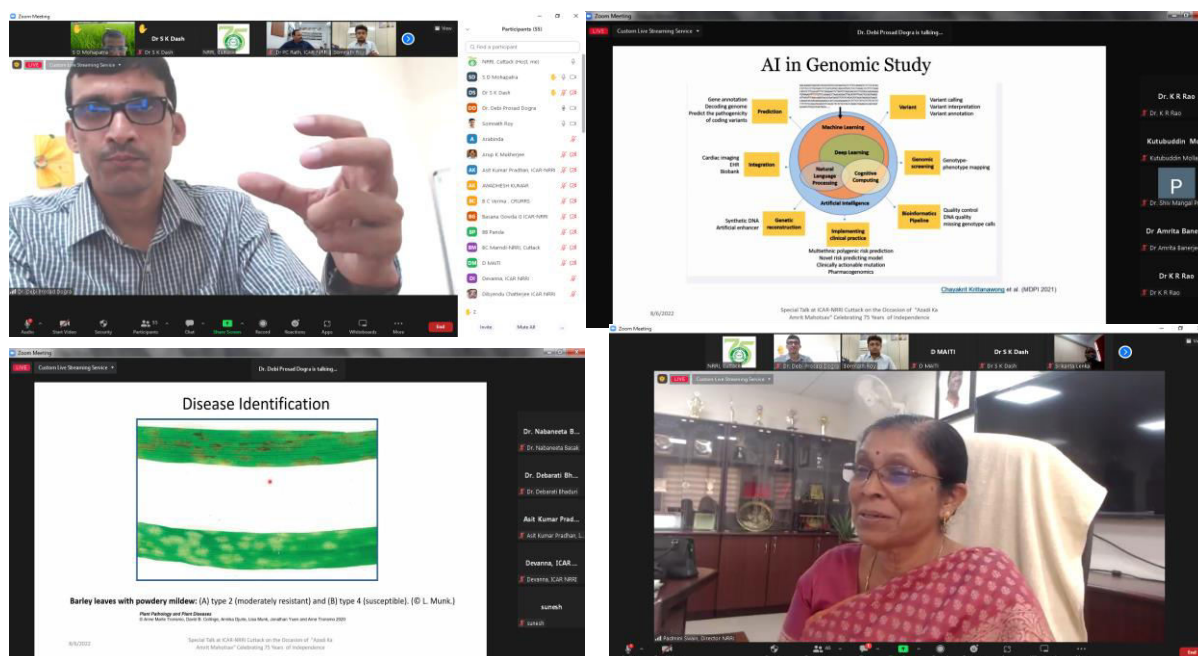


According to the Food and Agriculture Organization, the world population will reach over 9 billion by 2050. Rapid population growth, shrinking farmland, dwindling natural resources, erratic climate changes, and shifting market demands are pushing the agricultural production system into a new paradigm. The new agricultural system must become more productive in output, efficient in operation, resilient to climate change, and sustainable for future generations. AI holds promise in addressing the challenges of this new paradigm. For example: Plant diseases are a major threat to the environment, economy, and food security. Early detection of crop disease is essential for effective disease management. AI-based image recognition systems could recognize specific plant diseases with a high degree of accuracy, potentially paving the way for field-based crop-disease identification using mobile devices, such as smartphones.



The scintillating talk by Dr Dogra on “**Artificial Intelligence: Applications in Agricultural Research and Development**” elicited a lively discussion that drew many participants in the vortex. About 100 participants attended the special talk in virtual mode from across the country.

The Special Talk was presided over by Dr. Padmini Swain, Director (A), ICAR-NRRI, Cuttack. Dr. P.C. Rath, Head (A), Crop Protection Division (CPtD) & Chairman, AKAM Committee at NRRI welcomed the Special Guest. Dr. Sudhamoy Mandal, Principal Scientist, CPtD & Convener, AKAM introduced Dr Debi Prosad Dogra to the august audience. The program was elegantly moderated by Dr Somnath Roy, Senior Scientist, CRURRS, Hazaribagh. ARIS Cell of the institute hosted the virtual meeting successfully.