

## Press release

### **VAIBHAV Summit recommends to develop state of art climate services and climate smart technologies in collaboration with globally reputed labs abroad**

In the ongoing VaishwikBharatiyaVaigyanik (VAIBHAV) Summit, a collaborative initiative by S&T and Academic Organisations of India to enable deliberations on thought process, practices and R&D culture with a problem-solving approach and bring collaborations. In this pursuit, the session on Impacts, Adaptation and Mitigation Technologies, conducted on 8<sup>th</sup> October, discussed the scientific and technological gaps for achieving climate resilient and evergreen sustainable agriculture. The technological options, opportunities and collaboration needs were also discussed. The major recommendations out of the session were to initiate research collaborations to develop integrated models, tools, climate services with high resolution seasonal forecasts for serving farm level advisories. The session recommended to develop a National databank for by giving infrastructure status to data. The scientists recommended initiate collaborative research proposals for developing innovative farm technologies for sustainable intensification of agriculture and to develop energy efficient small farm implements, deep sea fishing activities among many others, sensors for monitoring and for use in IoT, use of AI and data analytics. It is further recommended to develop the student and scientist exchange programmes, sandwich MSc/ PhD programmes with overseas reputed labs, involving visiting NRI scientists for training young scientists and students in Indian labs. These discussions will be taken forward in multi-stage engagements for collaborations and actions for seamless implementation.

The session was chaired by Dr Brahma Singh, a Padmashreeaward winning scientist, Co-Chaired by Dr B. Venkateswarlu, Former Vice-Chancellor, VN Marathwada Agricultural University, Parbhani; Ex Director, ICAR-CRIDA, Hyderabad and Dr S. Bhaskar, Assistant Director General, ICAR. The Session was coordinated by Prof Soora Naresh Kumar, ICAR-Indian Agricultural Research Institute. In his welcome address, Dr Ashok Kumar Singh, Director, ICAR-IARI has outlined the contributions of Indian scientists in the science of climate change and agriculture. The overseas panellists included Prof PV Varaprasad from Kansas State University, USA; Prof Dev Niyogi from University of Texas, USA and Uday Nidumolu from CSIRO, Australia. Apart from these, panellists included scientists from various Institutions in India.

The month long **VAIBHAV** virtual summit was inaugurated by the Hon'ble Prime Minister Shri Narendra Modi on 2nd October 2020, on Mahatma Gandhi birth day, in the virtual presence of academia and researchers from across the world and is planned to be concluded on 2nd November after month-long deliberation sessions through webinar mode.