

**ICAR-NIBSM organized Guest lectures by Scientists of IRRI South Asia Hub on  
04.02.2025**

ICAR- NIBSM organised guest lectures by the Scientists of International Rice Research Institute (IRRI) South Asia on 04.02.2025. The programme was initiated by briefing about the programme and guests by Dr. Vinay Kumar, Sr. Scientist & Convener followed by welcoming of Scientists and their brief introduction by Dr. Daisy Basandrai, JD (SCRSR), ICAR- NIBSM, Raipur. **Dr. Pallavi Sinha**, Scientist (Plant Breeding) at IRRI-South Asia Hub, Hyderabad delivered a talk on Artificial intelligence-based breeding for crop improvement. She discussed the importance of artificial intelligence in haplotype-based breeding, traits prediction, trait discovery, speed map and their applications in the improving the trait-based breeding in rice. She also highlighted the software's, rice array chips developed at IRRI and their applications. Thereafter **Dr. Uma Maheshwar Singh**, Scientist, IRRI South Asia Regional Center, NSRTC campus, Varanasi, Uttar Pradesh delivered a talk on "Speed Breeding in Rice" highlighted the historical points for genesis of speed breeding programme, process of speed breeding and their role in advancing generations and screening of rice lines for various traits including the biotic and abiotic stresses. The lectures were attended by Dr. Anil Dixit, JD (SCRSR), Dr. K. K. Mondal, JD (Research), scientists, PG and PhD students and research scholars. After the lecture, deliberations were also made for possible collaborations with ICAR-NIBSM and IRRI. The programme was organized under the overall guidance of Dr. Daisy Basandrai, JD, SCRSR and vote of thanks proposed by Dr. Vinay Kumar, Sr. Scientist & Convenor, ICAR- NIBSM, Raipur.





