

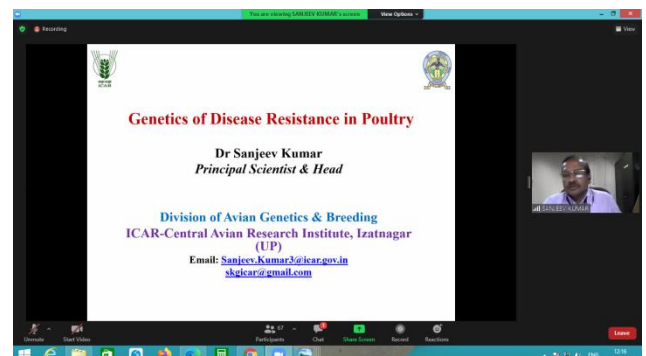
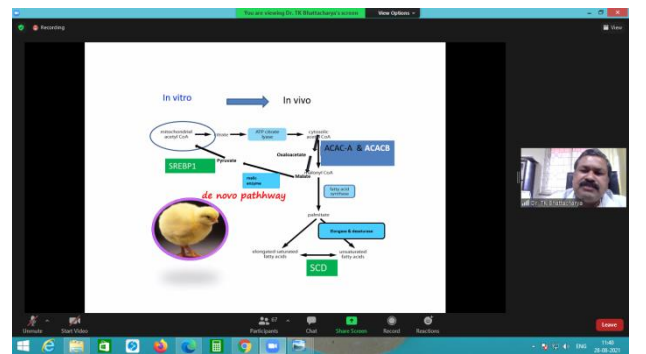
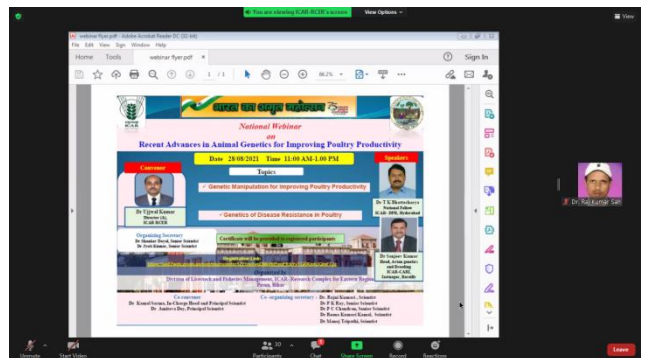
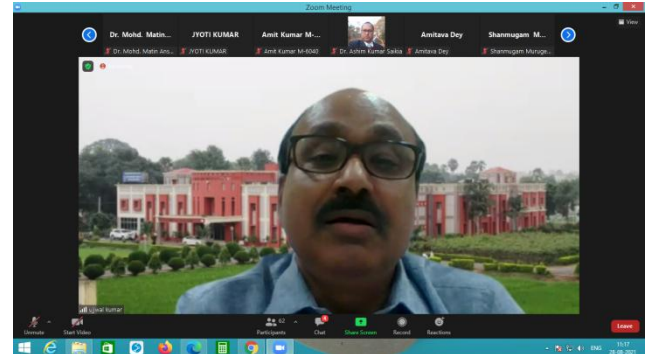
# National Webinar on “Recent Advances in Animal Genetics for Improving Poultry Productivity”

(ICAR-RCER, Patna, Date: 28<sup>th</sup> August, 2021)

ICAR- Research Complex for Eastern Region, Patna organized a national webinar on “Recent Advances in Animal Genetics for Improving Poultry Productivity” on 28.05.2021 as a part of ongoing celebration “Azadi ka Amrut Mahaotsav” to commemorate 75 years of India’s Independence. The webinar conducted in hybrid mode (both online and offline mode) intended to create awareness as well as appraise and update the knowledge of the scientists, faculties, extension workers, NGOs, policy makers, students and other stakeholders regarding latest research and developments in animal genetics and breeding for improving poultry production. At the beginning of the programme Dr. Kamal Sarma, I/c Head, DLFM, ICAR RCER welcomed all the participants and highlighted the rationale of the webinar and its relevance for the poultry farming. In continuation, Dr Shanker Dayal, Sr. Scientist and Organizing secretary of the Webinar gave a brief introduction of the invited speakers highlighting their research contributions and its impact on poultry sector.

To begin with, Dr. Ujjwal Kumar, Director (A), ICAR-RCER, Patna inaugurated the webinar and welcomed invited eminent speakers, delegates and audiences. In his opening remark, he underscored the past and present status of the poultry sector in India and stated how it has metamorphosed from being a laggard to a lead egg and chicken meat producer. Acknowledging the impact of the research and developments in poultry sector in this regard, he also lauded the significant contribution of the poultry farming toward India’s GDP through its noticeable impact on livelihood and nutritional security.

The webinar comprised of two presentations. First presentation was on “Genetic manipulation for improving poultry productivity” delivered by Dr. T. K. Bhattacharya, National Fellow, ICAR-Directorate of Poultry Research, Hyderabad. He deliberated upon the basic and practical applications of the knock-out, transgenic and CRISPR-Cas technology for desired



interventions intended towards improvement of quantitative and qualitative aspects of poultry production.

Second presentation was delivered on “Genetics of disease resistance in poultry” by Dr. Sanjeev Kumar, Head, Avian Genetics and Breeding, ICAR-Central Avian Research Institute, Izatnagar, Bareilly. The speaker presented a broad view of the chicken immunology and importance of developing disease resistance strains/lines of poultry breeds for maximizing economics of poultry productivity. He also appraised the house regarding the latest research and developments in identification and development of disease resistance lines of poultry.

The presentations were followed by discussion session, in which queries of curious participants were answered by guest speakers. A total of 92 participants across the length and width of country attended the webinar. The webinar was well coordinated by a team of scientists led by Dr. Shanker Dayal, Sr. Scientist and Organizing secretary of the event and, information technology support from Mr. Sarfaraz Ahmed, Technical officer, ICAR-RCER, Patna. The programme concluded with a formal vote of thanks proposed by Dr. Jyoti Kumar, Sr. Scientist, ICAR-RCER, Patna.