

Training Programme on “Accelerating income in pig farming through reproductive management and artificial insemination” concludes successfully at ICAR- NRC on Pig

The self-sponsored advanced capacity-building programme on “Accelerating Income in Pig Farming through Reproductive Management and Artificial Insemination Technologies” was successfully organized by ICAR-National Research Centre on Pig from 12–14 May 2026. The programme was conducted under the overall supervision of Dr. V. K. Gupta, who served as the Course Director. The training programme was technically coordinated by Dr. Nitin M. Attupuram, Dr. Rafiqul Islam, and Dr. Swaraj Rajkhowa. A total of twelve trainees representing diverse agro-climatic regions of India, including Maharashtra, Delhi, Uttar Pradesh, Sikkim, and Assam, participated in the programme. The participant cohort primarily comprised emerging piggery entrepreneurs, progressive livestock farmers, and stakeholders interested in scientific swine production and enterprise development.

The training programme was strategically designed as an intensive, competency-oriented module emphasizing scientific pig production, reproductive biotechnologies, and entrepreneurship-driven pig farming systems. The curriculum was customized in accordance with the professional requirements and technical aspirations of the participants, integrating both theoretical and experiential learning components. Comprehensive technical sessions were delivered on advanced breeding strategies, scientific housing and environmental management, reproductive physiology and reproductive efficiency optimization, precision nutritional management, herd health management, waste valorization and environmental hygiene, as well as integrated biosecurity protocols for commercial pig production systems.

Specialized technical lectures and demonstrations were conducted on reproductive management interventions, artificial insemination protocols, semen handling and processing, estrus detection, breeding soundness evaluation, and fertility enhancement strategies aimed at improving productivity and economic returns in swine enterprises. In addition, extensive emphasis was laid on disease prevention frameworks, farm-level epidemiological surveillance, therapeutic management, and implementation of standard biosecurity measures essential for sustainable and high-health pig production systems.

The programme also incorporated hands-on practical sessions on hygienic slaughter operations, carcass dressing, meat handling, and post-harvest value addition technologies. Participants received practical exposure in critical veterinary and farm-

management procedures, including artificial insemination techniques, parenteral drug administration, biological sample collection, animal handling and restraint, and farm-level health monitoring practices. Furthermore, technical deliberations on institutional financial assistance schemes, entrepreneurship development opportunities, and decision-support software applications for precision farm management were also included as integral components of the training module.

The valedictory session was presided over by Dr. Vivek Kumar Gupta, who interacted extensively with the participants and highlighted the immense scope for scientific intensification and commercialization of pig farming in India. During his address, he emphasized the adoption of advanced reproductive technologies, scientific management interventions, and biosecure production systems for achieving enhanced productivity and sustainable income generation. Certificates were awarded to all participants who by the respected Director, ICAR-NRC on Pig who successfully completed the training programme. The valedictory ceremony was attended by scientists and technical staff of the institute.

Glimpses of the programme



