education organization research

WPSA - Pakistan Branch

Seminar at Sindh Agriculture University Tandojam in Collaboration with WPSA South Zone Pakistan Branch

ON

"ADVANCES IN VENTILATION STRATEGIES AND PREVENTIVE HEALTH MEASURES"

A technical seminar was successfully held on Thursday 22nd Jan 2026, at Sindh Agriculture University (SAU), Tandojam, in collaboration with the World's Poultry Science Association (WPSA) South Zone Pakistan Branch. The event aimed to strengthen academia-industry linkages, promote evidence-based solutions in poultry science, and highlight innovations in animal nutrition and sustainable production practices.

Prof. Dr. Ghias Uddin Shah (Dean FAH & VS) came to the stage to deliver the welcome note. He expressed his great pleasure in welcoming all distinguished guests, faculty members, industry leaders, and students to this important seminar, jointly organized by Sindh Agriculture University, Tandojam, and the World's Poultry Science Association (WPSA) South Zone Pakistan Branch.

On behalf of Sindh Agriculture University, he extended his heartfelt gratitude to the WPSA South Zone Pakistan Branch for their collaboration, and to all participants for their valuable presence. He concluded by expressing his hope that this seminar would serve as a source of learning, fellowship, and progress for the community.

After that, Mr. Waqar Alam, President of WPSA South Zone Pakistan Branch, came to the stage. He first extended his sincere thanks to Mr. Mehmood Ahmed, CEO of Sona Feeds, for generously sponsoring the seminar. He then connected the seminar theme, "Advances in Ventilation Strategies and Preventive Health Measures," with the broader mission of the World's Poultry Science Association (WPSA).

He explained that WPSA's mission rests on three pillars—**Education, Research, and Organization**—and this seminar exemplified each of them:

- **Education:** The focus on modern ventilation strategies and preventive health measures provided students and young professionals with practical knowledge that directly enhances their understanding of poultry management and welfare.
- **Research:** The presentations and discussions highlighted evidence-based practices, showcasing how scientific research translates into real-world solutions for improving flock health, productivity, and sustainability.
- **Organization:** By bringing together academia, industry stakeholders, and producers, the seminar embodied WPSA's organizational role of fostering collaboration and building networks that drive collective progress in poultry science.

Mr. Alam emphasized that the seminar topic was not just technical, but mission-driven—**students gained learning opportunities, researchers shared their expertise, and industry leaders engaged in dialogue to strengthen preventive health practices and optimize environmental management.** This alignment, he noted, reflects WPSA's vision of uniting knowledge, innovation, and community for the advancement of poultry science in Pakistan.

Mr. Mehmood Ahmed, CEO of Sona Feeds, came to the stage and appreciated the organization of the seminar, expressing his happiness at the large participation. He remarked that such initiatives are truly the need of time for both students and professionals.

Mr. Ahmed further noted that seminars of this nature play a vital role in strengthening the bridge between education and industry, ensuring that future leaders are well-prepared to meet emerging challenges in the poultry sector. He emphasized that the industry offers a wide scope for growth and innovation, and therefore requires well-trained professionals equipped with both academic knowledge and practical skills.

He also highlighted the importance of encouraging students and young professionals to pursue career opportunities in the **private sector**, where innovation and progress are driven more dynamically, rather than relying solely on government positions. Mr. Ahmed concluded by reaffirming that such seminars are essential for nurturing talent and aligning education with the evolving needs of the poultry industry.

Technical Presentation

Dr. Farhan Farooq
General Secretary, Central WPSA Pakistan Branch.

"Value of Correct Temperature / Principles of Minimum Ventilation"

Dr. Farhan Farooq delivered an insightful technical presentation highlighting the importance of maintaining correct temperature and applying the principles of minimum ventilation in poultry houses. He explained that both factors are critical for ensuring bird comfort, health, and productivity, emphasizing the critical role of ventilation and preventive health in modern poultry production. His talk highlighted both scientific principles and practical applications, making it highly relevant for students, researchers, and industry stakeholders.

Value of Correct Temperature: Dr. Farooq emphasized that maintaining the right temperature is essential for optimal growth and feed conversion. Incorrect temperature management can lead to stress, reduced performance, and increased susceptibility to disease. He shared practical guidelines for monitoring and adjusting environmental conditions to match the birds' age and physiological needs.

Ventilation Strategies: Dr. Farhan Farooq explained that proper ventilation systems are essential for maintaining optimal air quality, regulating temperature, and reducing stress in poultry houses. He highlighted that effective ventilation not only improves flock comfort but also plays a decisive role in disease prevention and overall productivity.

Dr. Farooq discussed recent innovations in both mechanical and natural ventilation, presenting cost-effective solutions tailored to local conditions. He further demonstrated several modern equipment designed to enhance environmental control and management in poultry facilities, showing how these technologies can support better health outcomes and operational efficiency.

Principles of Minimum Ventilation: He explained that minimum ventilation is necessary to remove excess moisture, ammonia, and carbon dioxide from poultry houses, even during colder seasons. Proper airflow ensures better air quality, reduces respiratory problems, and supports overall flock welfare. Dr. Farooq discussed cost-effective strategies and demonstrated modern equipment that can help producers achieve efficient ventilation without compromising energy use.

In conclusion, Dr. Farooq stressed that **correct temperature management and minimum ventilation are fundamental pillars of preventive health measures**. By adopting these practices, poultry producers can improve flock performance, reduce disease risks, and align with WPSA's mission of promoting education, research, and industry collaboration.

Technical Presentation

Prof. Imdad Hussain Leghari.
SAU, Tandojam
"Preventive Health Measures in poultry production"

Prof. Imdad Hussain delivered an informative presentation on the importance of preventive health measures in poultry production. He emphasized that proactive health management is far more effective and economical than reactive treatments, and plays a decisive role in ensuring flock welfare, productivity, and sustainability.

Biosecurity Protocols: He highlighted the need for strict biosecurity practices to minimize the risk of disease entry and spread, including controlled farm access, sanitation, and hygiene measures.

Vaccination Programs: Prof. Hussain explained the role of timely and targeted vaccination in protecting flocks against common diseases, stressing the importance of proper scheduling and monitoring.

Nutritional Interventions: He discussed how balanced nutrition and the use of feed additives can strengthen immunity and reduce susceptibility to infections.

Environmental Management: Proper ventilation, temperature control, and litter management were identified as key factors in maintaining a healthy environment for poultry.

In conclusion, Prof. Hussain emphasized that **preventive health measures are the cornerstone of sustainable poultry production**, reducing economic losses, improving productivity, and aligning with global best practices. His presentation encouraged students, researchers, and industry stakeholders to adopt a proactive approach to flock health management.

Shield Distribution Ceremony:

As part of the seminar proceedings, a **Shield Distribution Ceremony** was held to recognize and appreciate the valuable contributions of the participants. Shields were presented to presenters, Professors and industrial stakeholders.

Prof. Dr. Altaf Ali Siyal
Vice Chancellor
Sindh Agriculture University
Tandojam, Pakistan

In his closing remarks, Prof. Dr. Altaf Ali Siyal expressed his appreciation for the successful organization of the seminar and the active participation of students, faculty members, and industry stakeholders. He highlighted that the seminar theme, *"Advances in Ventilation Strategies and Preventive Health Measures,"* was highly relevant to the current challenges faced by the poultry sector and provided valuable insights for both academia and industry.

Prof. Siyal emphasized the importance of continued collaboration between universities and professional associations like WPSA to strengthen research, education, and practical applications in poultry science. He noted that such events not only enhance student learning but also create opportunities for industry professionals to adopt innovative practices that improve productivity and sustainability.

He concluded by thanking the organizers, sponsors, and presenters for their contributions, and encouraged students to actively pursue knowledge and careers in the poultry and animal nutrition sectors. Prof. Siyal reaffirmed that **seminars of this nature are vital for bridging the gap between education and industry, nurturing talent, and advancing Pakistan's poultry industry.**

Vote of Thanks: Dr. Mohammad Zakriya

In his vote of thanks, Dr. Zakriya expressed heartfelt gratitude to all those who contributed to the success of the seminar. He extended special appreciation to the **World's Poultry Science Association (WPSA) South Zone Pakistan Branch** for their collaboration, and to **Sindh Agriculture University (SAU), Tandojam** for hosting the event.

He acknowledged the efforts of the **keynote speakers, presenters, professors, and industry stakeholders**, whose valuable insights enriched the seminar and strengthened the bridge between academia and industry. Dr. Zakriya also thanked the sponsors, particularly **Mr. Mehmood Ahmed, CEO of Sona Feeds**, for their generous support, which made the seminar possible.

Dr. Zakriya specially thanks to Dr. Shoaib Ahmed (Associate Professor Dept. Poultry Sciences, SAU T. Jam) and Dr. Asmatullah Kaka (Associate Professor Dept. Poultry Sciences, SAU T. Jam)