



SOCIETY FOR PROMOTION OF FARM AND COMPANION ANIMALS



Administrative Building, Bihar Veterinary College,
Bihar Animal Sciences University, Patna, Bihar

CONFERENCE REPORT

The Society for Promotion of Farm and Companion Animal (SPFCA) successfully hosted its First National Conference on “Fostering One Health for Food Safety and Security through Sustainable Animal Husbandry & Aquaculture Practices” on 10th & 11th November 2022 at Bihar Veterinary College Campus, Bihar Animal Sciences University, Patna. The presence of dignitaries, an impressive line-up of scholars from across the nation, the support of sponsors and media partners, an array of carefully selected, well-researched and well-presented research papers on the subject, all came together to help Team SPFCA to admirably conclude this huge endeavour. The conference was applauded for the 5 concurrent technical sessions, one round table discussion for Farmers-Industry-Academia Interface, and a Poster Session, besides the Inaugural and Valedictory sessions. This Conference has, without a shade of doubt, made the academic fraternity richer, with the additional literature in form of 96 scholarly research articles and 08 lead papers on the subject. This two-day event offered opportunities to almost 200 participating audiences to interact with scientists, faculties, academicians, scholars and experts from different sates of country who deliberated upon and covered topics on One Health around the issues of Food Safety and Security through Sustainable Animal Husbandry & Aquaculture Practices etc. The two days comprised of incisive and insightful discussions on various facets of the issue of Antimicrobial Resistance, Zoonotic Diseases and Public Health, Emerging & Re-emerging diseases, their prevention & control and Food safety & security (including aquaculture) for One Health Approach & Practices. The views expressed and explored on this platform by the resource persons and paper presenters made the audience rethink ideas which we cling on to unthinkingly in our day to day life.

The Conference owes its success to the able guidance of Founder Petron SPFCA; Honourable Vice Chancellor, BASU, Dr Rameshwar Singh and under the stewardship of President, SPFCA; Dean, BVC, Patna Dr. J. K Prasad, and the hard work put in by the entire SPFCA team led by Dr. Kaushal Kumar, Organising Secretary and members of Executive Committee and student volunteers.

During The Conference only 65 out of the more than 90 research abstract were presented before the Chairman, Co-Chairman and rapporteurs of their respective technical session committee. All the resource persons conducted very engaging and fruitful sessions. Professors & Head Dr. M.K. Gupta presented a highly engaging lead paper that aimed at most recent transboundary diseases Lumpy Skin Disease (LSD) which is affecting the economy of the dairy industry significantly in India. The paper presentations in both the technical session and the poster sessions looked critically in various area of human and animal health across the country to promote optimal health for all.

The Conference ended with Following outcomes and recommendations:

1. The Conference and its proceedings are a step towards bring together a wide range of research professionals, active both at the theoretical and practical aspects of unifying approach to balance and optimize the health of people, animals and the environment in integrated One Health System.
2. The conference was highly applauded for bringing together great minds from different fields of human Health, Animal Husbandry & Fishery sciences. Their views and

discussions made the audience see how one health approaches can be reshaped through active questioning and participative action.

3. There was also an emphasis, especially in the plenary session discussions, to make the researchers and scholars realise how the whole idea of **antimicrobial resistance** as an alternative therapeutic trends which are now the global demand to strengthen the One Health approach.
4. The event gave rise to discussions that looked critically at **zoonotic diseases and public health** that have become part of the mainstream due to overexposure through bacterial, viral and parasitic infections of zoonotic as well as transboundary pathogens of animal as well as human origin in India. The session emphasized on the recent COVID-19 pandemic and relevance of One Health principles in the governance of infectious diseases.
5. The conference also provided an active platform for discussions on **Emerging & Re-emerging diseases, their prevention & control** in one health perspective. It was discussed that LSD is going to be a major issue for fostering one health for food safety and security in the foreseeable future and It was recommended to take immediate presumptive measures for prevention and control of LSD through vaccination and strict biosecurity measures at national and global level as well.
6. It was recommended that investment on new sustainable technologies like Aquaponics, Integrated multi-trophic aquaculture system (IMTA), In-pond raceways (IPR) and Bio-floc technology (BFT) is essentially required for sustainable food supply and nutritional security.
7. Need of One Health framework was recommended to tackle the emerging public health challenges through 'One Health Approach & Practices'. It was also discussed that co-ordinated efforts for public health issues are the major bottlenecks in implementing 'One Health' initiatives which must be addressed on priority basis.

It is hoped that this conference had laid a cornerstone for the continued sharing of practical experience and lessons learned about different approaches to and systems of One Health. The conference papers and summary of discussions had been published as a compendium, providing the means by which students and research professionals can access new information and knowledge, and above all they can gain inspiration and encouragement on One Health approaches.

The recommendations of the conference will be transmitted to all stake holder and other relevant SAUs, ICAR units and agencies, international organisations, as well as to the Advisory Bodies, with a request for their comment and opportunities for collaboration on One Health.