



Poultry products and Food Safety: The Never-Ending Story

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Abstract:

In spite of significant improvement in technology and hygienic practices at all stages of poultry production foodborne diseases remains a persistent threat to human and animal health. The loss of consumer confidence and trust in the quality and safety of poultry meat and poultry products remain a major challenge for all people involved in poultry business. Furthermore, the use and misuse of antibiotics cause steadily increase of antibiotic resistant bacteria, which is a continuous public health hazard. Currently discussions in several developing related animal production and their influences on environmental protection as well as animal welfare are ongoing. Generally, the main strategy to control food borne infections in poultry should include: monitoring, cleaning the production pyramid from the top especially of vertically transmitted microorganism such as Salmonella by culling infected breeder flocks, hatching egg sanitation and limiting introduction and spread of infections at the farm level through effective hygienic measures in poultry farms, their environment and their feed. Reducing bacterial colonization by using feed additives, competitive exclusion or use of vaccines are further possibilities. Additionally, intensive and sustained rodent control is essential and needs to be well planned and routinely performed. Also, an effective education programs must be implemented for the farm workers to increase public awareness of the necessary measures to be taken for protection against foodborne contamination of food products.



Biography:

Hafez Mohamed Hafez is a specialist in Islamist movements, political militancy, and violent radicalization. He is the author of *Why Muslims Rebel* and *Suicide Bombers in Iraq: The Strategy and Ideology of Martyrdom*. Hafez received his PhD from the London School of Economics and Political Science in 2000.

Publication of speakers:

1. Hafez Mohamed Hafez, The effect of glyphosate on potential pathogens and beneficial members of poultry microbiota in vitro
2. Hafez Mohamed Hafez, An overview of the epidemic of highly pathogenic H5N1 avian influenza virus in Egypt: epidemiology and control challenges
3. Hafez Mohamed Hafez, Differentiation of avian poxvirus strains on the basis of nucleotide sequences of 4b gene fragment
4. Hafez Mohamed Hafez, Safety assessment of Bt 176 maize in broiler nutrition: degradation of maize-DNA and its metabolic fate.

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