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# Recent Trends in Molecular Diagnosis of Microbial Pathogens Associated with LIVESTOCK AND POULTRY

Newer concepts of animal disease diagnosis are required as any type of emerging or reemerging disease follows a rapid pandemic form. Majority of the conventional pathogen detection techniques have been perceived in animal disease diagnosis to be time consuming, laborious and even sometimes require *in vivo* systems. Technological advancements in the field of nucleic acid based detection of pathogens have comfortably overtaken such conventional methods by detecting various animal pathogens in a more rapid and sensitive way. On the other hand resistance to antimicrobials is a global problem. Pathogens rapidly develop mutations that render current treatments ineffective. Tackling this resistance will require a deep understanding of microbial infections and the mechanisms through which resistance arises.

*Recent Trends in Molecular Diagnosis of Microbial Pathogens Associated with Livestock and Poultry* consists of invited lectures and in-house lectures. It addresses recent knowledge on microbiological techniques viz. antimicrobial resistance, molecular techniques and why there is still need of conventional techniques.

**Anju Nayak et al.**

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