



Priority Topics

Description



African Swine Fever

ASF is a highly contagious viral disease of pigs.



Animal Genomics/ Genetics for Animal Health

Explores the inheritance of traits in animals, aiming to enhance health, productivity, and biodiversity through genetic research and applications.



Antimicrobial Resistance and Alternatives to Antimicrobials

Antimicrobial resistance (AMR) happens when microorganisms like bacteria become strong against drugs that usually kill them, makingâ?!



Aquatic Diseases

Aquatic diseases affect the health and sustainability of fish and other aquatic species, posing significant risks toâ?!



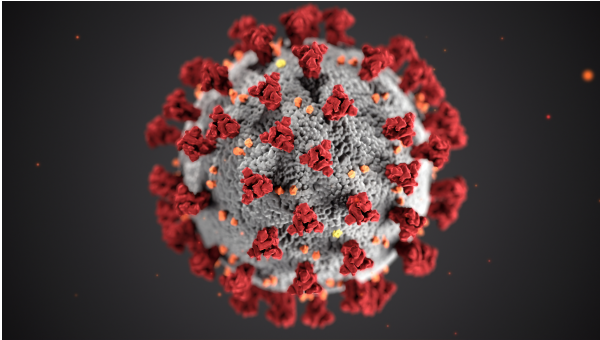
Bovine Tuberculosis (bTB)

Bovine Tuberculosis (bTB) is a contagious disease in cattle caused by the bacterium *Mycobacterium bovis*, leading to significant economic losses and posing a risk to public health.



Brucellosis

Brucellosis is a highly contagious bacterial disease affecting cattle, swine, goats, and sheep.



Coronaviruses

A cause of important diseases in livestock, poultry, companion animals, and humans.



Diagnostics (tools and technologies)

Diagnostics are crucial for the early detection and management of animal diseases, guiding effective interventions to protectâ?!



Emerging Issues

Emerging issues threaten animal agriculture.



Foot and Mouth Disease

A highly contagious disease of cattle with significant socio-economic impact.



Foresight

Foresight involves preparing for long-term challenges by identifying trends, envisioning possible futures, and shaping strategies to guide them.



Helminths (including anthelmintic resistance)

Helminths are parasitic worms causing disease in animals. Anthelmintic resistance occurs when these worms become resistant to



Influenza

Influenza is a highly contagious viral disease that affects multiple animal species, posing significant risks to both animal and human health.



Mastitis

Bovine mastitis is an inflammation of the udder tissue in the mammary gland, typically caused by physical



Mycoplasmas including CBPP/CCPP

Mycoplasma species are responsible for several clinically important diseases of large and small ruminants, swine, and poultry.



One Health (including food-borne pathogens)

One Health is an integrated approach that recognizes the interconnectedness of human, animal, and environmental health.



Porcine Reproductive & Respiratory Syndrome

Porcine reproductive and respiratory syndrome (PRRS) is a significant viral disease responsible for devastating economic losses.



Porcine Respiratory Disease Complex

A multifactorial syndrome affecting the respiratory system of pigs.



Poxviruses

A group of contagious viruses that primarily cause skin lesions, pustules, and other symptoms, affecting a wide range of animals.



Vaccinology (tools and technologies)

Vaccinology is a field of microbiology and immunology covering vaccine development as well as the use of vaccines.