

THE DEPT OF FORESTRY & NATURAL RESOURCES PRESENTS

SUMMER 2025 SEMINAR SERIES

TUESDAY JUNE 24, 2025
PFEN 120 11:00 AM - 1:00 PM

JOIN US FOR A LECTURE AND CONVERSATION WITH

DR. MÁTÉ FARKAS

Unmanned Aerial Vehicles in Animal Husbandry and Health: A Comprehensive Review

Unmanned aerial vehicles (UAVs), or drones, have gained increasing attention across various scientific fields, including agriculture. While widely used in crop management, their applications in livestock farming and food safety are expanding.

This review provides an overview of drone use in animal husbandry, classified by function. In herding, especially with sheep, drones can assist movement using specific flight settings.

In pasture management, they support animal tracking and optimize grazing through aerial imagery. In aquaculture, drones aid in water quality monitoring and fish size estimation, improving efficiency and reducing costs. Drones also offer high-precision tools for observing animal behavior and health, contributing to welfare and productivity. The review highlights the benefits of UAVs in improving monitoring and management practices and discusses challenges and future perspectives. With continuous technological advancement, drones are becoming integral to sustainable animal production and food system innovation.



Dr. Máté Farkas, Veterinarian and PhD student at the University of Veterinary Medicine Budapest, Department of Food Hygiene.

This series aims to stimulate discussion and create opportunities for collaborations. Everyone is welcome to attend.

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IF YOU ARE INTERESTED IN MEETING WITH DR. FARKAS PLEASE
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