Artificial Intelligence (AI) Applied to Animal Health and Welfare

Guest Editor:

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Deadline for manuscript submissions:
closed (30 June 2023)

Message from the Guest Editor

Dear Colleagues,

In animal sciences, AI incipient studies move forward in several areas. For example, the relationships between real-time sensor data and production coupled with animal health and welfare status are at the heart of current research on precision livestock farming. The elaboration of machine learning and deep learning models that could predict diseases, detect abnormal images, or identify disease-related sounds are part of current investigations that aim to support animal and public health professionals.

The aim of this Special Issue is to present recent research that fills gaps of current literature on how AI may improve animal health and welfare. Further, manuscripts that use novel machine learning approaches to address control strategies and impacts of animal diseases, as well as those that shed light on the intersection between AI and One Health, are welcome in this issue.

Keywords: artificial intelligence; machine learning; animal big data; animal health; animal welfare; veterinary sciences; animal disease prediction; image interpretation; disease-related sounds; one health

Special issue

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Message from the Editor-in-Chief

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