Special Issue

Recent Advancement and Obstacles in Honey Bee Virus and Genetics Research

Message from the Guest Editors

Honey bees are irreplaceable pollinators in nature, playing a pivotal part in ecological balance and food security. Additionally, honey bees are widely used as a model for investigating host-pathogen interaction. As a eusocial insect, bees are vulnerable to an array of pathogens such as bacteria, fungi, and viruses. With the development of new technologies such as CRISPR-Cas9 and cutting-edge omics (full-length transcriptome, epigenomics, ribosome profiling, etc.), inspiring advancements were obtained in bee pathogens and genetics research region. However, some obstacles are still waiting for addressed, eg. a lack of passage cultured cell line derived from bee tissues or organs. This Special Issue entitled "Recent Advancement and Obstacles in Honey Bee Virus and Genetics Research" will collect high-quality reviews and research articles written by leading experts in this field. The scope includes but not limited to interaction between bee host and pathogens/parasites, state-of-the-art omics of bees and pathogens/parasites, new technologies and methods developed to study on bees and pathogens/parasites, novel strategies for controlling bee diseases.

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Message from the Editor-in-Chief

Veterinary Sciences (ISSN 2306-7381) is an international and interdisciplinary scholarly open access journal that aims at publishing research in all fields of veterinary medicine in a democratic way. We encourage scientists to publish their original research articles, reviews, communications, and short notes in as much detail as possible. Articles submitted that involve subjecting animals to unnecessary pain or suffering will not be accepted, and all articles must be submitted with the necessary ethical approval (please refer to the Ethical Guidelines for more information).

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