

Special Issue

Advances in Omics Research of Honey Bee

Message from the Guest Editor

Honeybee, as the most valuable insect pollinator for plant reproduction, plays great roles in agriculture for both ecological balance and economy. However, the worldwide honeybee decline in recent years is posing a threat to our food security and agricultural sustainability. In order to optimize beekeeping and colony health, more and more attention has been paid to improving our understanding of the biology of bees and bee products based on the development of scientific and technological innovation. Significant technological advances in methodology and instrumentation have developed omics and multi-omics into powerful systematic tools to understand the gene expression, metabolomics, and other large-scale datasets of honeybees at the molecular levels. This Special Issue focuses on the application of all kinds of omics tools, including but not limited to genomics, epigenomics, transcriptomics, proteomics, lipidomics, microbiomics, in improving the new understanding of honeybee. The topics can be related to molecular, physiological, behavioral, and other aspects of honeybees.

Guest Editor

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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