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Genetics, Breeding and Reproduction of Honeybees

Guest Editor:

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Message from the Guest Editor

Honeybee genetics, breeding and reproduction is a rapidly developing field. In the past few decades, quantitative, population and molecular genetic approaches have been used to elucidate the biological mechanisms of important traits in honeybees. In recent years, advanced genetic and genomic technologies, have advanced our understanding of the mechanisms of complex traits in honeybees. Functional genes identification of important traits have been extensively studied in honeybees. Gene editing is of great value for characterizing gene function and will be a future challenge in honeybee breeding. This special issue focuses on recent advances in honeybee genetics, breeding and reproduction in various fields, including but not limited to the following topics: new methods of honeybee breeding; collection and analysis of honeybee germplasm resources; selection and breeding of honeybee main traits; functional gene identification of important traits of honeybees; hybrid breeding of honeybees; application of biotechnology in honeybee breeding. Experts in the field are welcome to submit contributions in the form of research papers and reviews.



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Special Issue



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Message from the Editor-in-Chief

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