Special Issue

Genetics and Evolution of Ladybird Beetles in Biological Control

Message from the Guest Editors

Ladybird beetles (Coleoptera, Coccinellidae) are widely used in biological control practices. The introduction, artificial rearing, and release of ladybird beetles can contribute to their rapid evolution, resulting in changes in various characteristics such as life history, dietary preferences, and resistance to adverse conditions. Understanding of the genetic and evolutionary aspects of ladybird beetles can have implications for the effectiveness of biological control strategies. This Special Issue focuses on the scientific issue of "Genetics and Evolution of Ladybird Beetles in Biological Control" and seeks contributions from experts and scholars in the field. This Special Issue aims to show the latest research advancements and reviews in the areas including but not limited to the following: 1. Population genetic changes in ladybird beetles resulting from artificial introductions. 2. Evolution of characteristics related to biological control in ladybird beetles. 3. Selective breeding strategies applied to ladybird beetles. 4. Co-evolution between ladybird beetles and their prey species.

Guest Editors

Prof. Dr. Hong Pang
School of Ecology, Sun Yat-sen University, Shenzhen 518107, China

Dr. Hao-Sen Li
School of Ecology, Sun Yat-sen University, Shenzhen 518107, China

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
insects@mdpi.com

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Editor-in-Chief

Prof. Dr. Brian T. Forschler
Department of Entomology, University of Georgia, 413 Biological Sciences Building, Athens, GA 30602-2603, USA

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