Special Issue

Dispersal Strategies of Virus-Borne Plant Mites and Their Management

Message from the Guest Editors

Plants play an important role in the ecosystem, supporting the survival of animal consumers. Among the animals that obtain nutrients from plants, spider mites, false spider mites, eriophyoid mites, and other mites cause significant damage to crops. Meanwhile, with the globalization of agricultural exports and imports and the increase in the amount of imported agricultural products by air cargo, plant mites are increasingly being artificially dispersed from one country to another, posing a major problem for plant quarantine. Furthermore, some species of mites are known to transmit plant pathogenic viruses, increasing the chances of viruses dispersing. Therefore, basic research incorporating molecular biology techniques is crucial, including elucidating the dispersal methods of virus-transmitting plant mites, the physiological and ecological characteristics of dispersing individuals, the interrelationships between plants, viruses, and mites, and the characteristics of the viruses. This Special Issue introduces the latest research on the dispersal and management of virus-borne plant mite species, with the aim of contributing to further research of the mites and the viruses.

Guest Editors

Dr. Fujio Kadono
Clinical Plant Science Research Center, Hosei University, Tokyo, Japan

Dr. Kenji Kubota
Institute for Plant Protection, National Agriculture and Food Research Organization, Tsukuba, Japan

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

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Editor-in-Chief

Prof. Dr. Michael Wink
Institute of Pharmacy and Molecular Biotechnology, Heidelberg University, Im Neuenheimer Feld 329, D-69120 Heidelberg, Germany

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