Special Issue

Molecular Evolution of Plant RNA Viruses

Message from the Guest Editor

Plant viruses are obligate parasites that rely on the host cell for their survival and replication. Viruses undergo continuous evolution for optimal propagation in hosts. Mutation is believed to be the most important way to cause evolution. In addition, recombination, reassortment, and gene rearrangement also increase the variability of virus genome. The molecular evolution of important viral nucleotide, amino acid, RNA structure or genome level may alter the fitness of viral genome and subsequent interaction with the host. A deep understanding of the molecular evolution of plant RNA viruses will contribute to the control of viral diseases. This Special Issue aims to publish cutting-edge research on the molecular evolution of plant RNA viruses, including economically important emerging viruses, genome replication and viral protein translation, the interaction between plant RNA viruses and their host, the mechanisms of viral evolution and so on. We welcome comprehensive reviews, full-text research articles, and short communications.

Guest Editor

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