

Special Issue

Molecular Bacteria- Invertebrate Interactions

Message from the Guest Editor

In recent years, due to many research projects, it has become increasingly clear that bacteria form associations with many invertebrates. Bacteria may be facultative or obligate symbionts and perform an important role in maintaining invertebrate health. These associations have been largely overlooked because of difficulties in their detection and problems in bacteria cultivation. However, the widespread application of genetic and genomic approaches has revealed a spectacular bacterial world with high ubiquity and diversity. A growing area of research in bacterium–invertebrate interactions is to elucidate the role of bacteria in facilitation of invertebrate evolution, speciation, mechanisms of manipulation of host physiology and development, regulation of inter-domain metabolism, and genome formation and also influence on pathogenicity, parasitism, and transmission in parasitic invertebrates. This Special Issue will focus on recent advances in all aspects of molecular biological studies of bacterium–invertebrate interactions, covering genomics, proteomics, coevolution, biodiversity, and other research directions.

Guest Editor

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