

Special Issue

Microbiome Innovation in Agriculture: Microbial Pest Control

Message from the Guest Editor

Like all other organisms, insects live in close association with microorganisms, such as bacteria, archaea, fungi, protozoa, and viruses, which strongly influence their life. This association may be advantageous or dangerous to insects' fitness. For instance, endosymbionts that live inside host cells or tissues provide fitness advantages in terms of nutritional provisioning, overcoming host defences, and protection from pathogens, parasites, or other environmental stressors, including insecticides. The goal of this Special Issue is to describe the background of this association and its possible role as a direct target against pest insects or its use as an indirect target for phytopathogen agents transmitted by vector insects. This Special Issue seeks either innovative works concerning symbiotic control in particular hemipterans pests not controlled by Bt transgenic crops or the improvements that this knowledge may provide to other non-conventional pest control approaches, such as SIT, IIT, and RNAi.

Guest Editor

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