



Natural Substances against Insect Pests: Assets and Liabilities

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 September 2020)

Message from the Guest Editor

Dear Colleagues,

At present, pests are largely controlled by synthetic pesticides. Although these are effective, their wide use has caused the rise of resistant strains and concerns on human health and on the environment. Many natural substances (NSs) have been recognised as insecticides, repellents and oviposition deterrents. However, even if they represent one of the most promising eco-friendly possibilities against insect pests, some liabilities affect their use. In fact, their use has to face issues around production, formulation, stability and costs. Moreover, their mode of action needs to be elucidated taking into account the induced resistance.

Based on the above, we would like to pursue these topics through a Special Issue of the *Insects* journal under the title: "**Natural Substances against Insect Pests: Assets and Liabilities**". Papers on the following indicative topics are welcome:

- NSs isolation, chemical characterization and biochemistry
- NSs bioactivity against harmful insects
- NSs mode of action and induced resistance in insects
- Risks and benefits associated with the use of NSs
- Reviews, regulatory and legislation issues related to the use of NSs

