

Special Issue

Locust and Grasshopper Management: Environmental Impacts and New Perspectives

Message from the Guest Editors

In many countries around the world, locusts and grasshoppers are a threat to agriculture and livelihoods. One of the major problems in locust management is the use of chemical pesticides, rightly criticized for their side effects on human health, environment, nontarget organisms, and biodiversity. Alternatives that are more respectful of people and the environment have emerged over the past 20 years, with entomopathogenic fungi and Protozoa being the most promising to replace chemical pesticides. A lot of research has been done in particular in Africa (LUBILOSA project), Australia and China. Biopesticides are already used in some countries and commercial formulations are available. However, the use of these alternatives remains too limited. This new Special Issue will focus on the negative impacts of chemical pesticides in locust management, the most promising alternatives, the main obstacles to their diffusion and the best ways to overcome them.

Guest Editors

Dr. Michel Lecoq

French Agricultural Research Centre for International Development, CIRAD, F-34398 Montpellier, France

Prof. Dr. Long Zhang

1. College of Grassland Science and Technology, China Agricultural University, Beijing 100193, China
2. Institute of Plant Protection, Shandong Academy of Agricultural Sciences, Jinan 250100, China

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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