

Special Issue

Insects at the Center of the Green Transition

Message from the Guest Editors

At present, most human activities are no longer sustainable. The environment is suffering from pollution (CO₂ overproduction, water waste, and pesticide and antibiotic drug abuse—the latter leading not only Earth's contamination but also the spread of drug-resistant microorganisms), land is stealing from the agriculture. Humanity is harming itself. Developing sustainable processes is the new challenge, and many answers can be found in insects and their huge biodiversity, acquired during their long evolutionary history and their adaptation to all environmental conditions. *Insects* can offer ready-made solutions as whole organisms (for biological control), through their interactions with other organisms (parasitoids and related factors), and with their genes and molecules (venoms, viruses, ovarian proteins, antimicrobial peptides, olfaction-related molecules, proteins, lipids, chitin, etc.). Studying and imitating insects and their processes and using them as sources of molecules or models of conserved pathways will turn global issues into opportunities for a perfect green transition.

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Message from the Editor-in-Chief

Editor-in-Chief

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