

Special Issue

Chemosensory-Based Pest Management of Insects and Other Protostomes in Crop Protection

Message from the Guest Editors

In this Special Issue, we welcome studies exploring ecological interactions with cultivated plants of any sort of organism from the Superphylum Protostomia. We claim to address this collection to deepen knowledge on the molecular aspects at the base of the chemosensory receptors both from plant pests and beneficial organisms at different levels, and any aspect of receptor/ligand interactions. We want to improve our knowledge of the molecular mechanisms behind the existence of primitive chemical sensors. We place particular emphasis on investigations into primitive chemosensory receptor subunits. We also encourage studies on chemosensory receptors. For insects, we are particularly interested in functional evidence of chimeric receptors or neurophysiological cross-talk, as well as studies exploring the role of odorant/tastant binding proteins or any accessory soluble or transmembrane protein actor involved in chemical sensing. We consider contributions exploring ecological interactions with cultivated plants when they are based on functional evidence of specific chemical sensors or examine management strategies for various invertebrates.

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

Editor-in-Chief

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