

Special Issue

Applications of Controlled Atmosphere and Fumigation Technologies in Fresh Produce: From Farm to Table

Message from the Guest Editors

Controlled atmospheres and fumigation (CAF) is a key concept to disinfect quarantine pest in trade perishable such as fresh produce. Methyl bromide (MeBr) is still broadly used as chemical fumigant to eradicate quarantine pest, although their use is strongly recommended to replace technically feasible alternative options by International Plant protection Convention (IPPC). It can be developed that many different alternatives options such new and revaluated fumigants (ethanedinitrile, phosphine gas, ethyl formate, sulfuryl fluoride, ethylene oxide etc.), combined fumigants, systematic treatment with fumigant and CA and/or cold treatment in order to maintain valuable trade fresh products as well as eradication of different target quarantine pest infested in them. Aiming are many types of trade and/or cultivated fresh produce, those with very higher water contents and have a short and moderate shelf life.

This special issue will presents all types of articles focusing potential and technically feasible replacement of MeBr for quarantine purpose and eradication in initial emerging stages in green house in terms of practical use in industries.

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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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