



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

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### **Message from the Guest Editors**

Controlled atmospheres and fumigation (CAF) is a key concept to disinfest 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 (ethanedintirille, 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

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