



We are pleased to announce that manuscript submission is now open for the Research Topic “**Understanding and Developing Technologies for Effective Exploitation of Beneficial Microbes in Commercial Horticulture**”. On behalf of the editorial team, we warmly invite you to contribute to this exciting collection. All accepted articles will be published Open Access in *Frontiers in Horticulture*, which currently holds a **CiteScore of 1.6**.

We welcome submissions across a wide range of article types, including Brief Research Report, Case Report, Classification, Clinical Trial, Editorial, General Commentary, Hypothesis and Theory, Methods, Mini Review, Opinion, Original Research, Perspective, Review, Systematic Review and Technology and Code articles.

This research topic aims to synthesize current advances in our understanding on the interactions of beneficial microbes with resident phytobiome and plants and in their practical application in commercial horticulture.

For detailed information and to submit your manuscript, please visit the [Research Topic webpage](#). Publishing fees apply to accepted articles, but fee support may be available. Many institutions participate in our partnership program to help cover these costs.

If you would like early feedback on your manuscript idea, we encourage you to submit a summary or short outline by **30 December 2025**. The final deadline for manuscript submissions is **19 April 2026**. Extensions can be considered on a case-by-case basis.

Should you have any questions or require further information related to the Research Topic, feel free to contact the Journal Specialist, Juan Carlos Soto, at [horticulture@frontiersin.org](mailto:horticulture@frontiersin.org).

If you are interested, please register via the link above. You will receive a follow-up email with additional details shortly. If you know colleagues whose work fits this Research Topic, please feel free to forward this invitation.

We look forward to your valuable contribution.



## Understanding and Developing Technologies for Effective Exploitation of Beneficial Microbes in Commercial Horticulture.

Benefits associated beneficial microbes is more likely to be realised in horticultural crops than broadacre crops because of the nature of many horticultural crops: (i) high value, (ii) grown in substrate and/or under more controlled environmental conditions, and (iii) demanding precision management (including post-harvest management).

This research topic aims to synthesise current advances in our understanding on the interactions of beneficial microbes with resident phytobiome and plants and in their practical application in commercial horticulture. For this research topic, we encourage submissions of original research and review articles on, but not limited to, the following research and development areas:

- Understanding biological functions (or mechanisms) of beneficial microbes that help plants alleviate abiotic and biotic stresses.
- Developing technologies for exploiting beneficial microbes in practice.
- Assessing their performance under semi- and/or commercial conditions, and economic as well as environmental sustainability.

### Topic editors

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### Submission deadlines

Summary: 30 December 2025  
Manuscript: 19 April 2026

### For more information

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frontiersin.org/RT74704

