

## Natural probiotics for agriculture

Many recent studies demonstrate the potential as plant biostimulants of microbial consortia, rhizobacteria, and rhizofungi, that function as an agricultural probiotics (de Vries and Wallenstein, 2017; Wallenstein, 2017; Kong et al., 2018). The present work describes an example of two prospective microbes and their qualities as consortium ...

In this review, we summarize some of the best-known mechanisms of plant probiotic bacteria to improve plant growth and develop a more sustainable agriculture. Keywords: plant growth promotion, biofertilizer, sustainable agriculture, beneficial bacteria. 1. Plant Probiotic Bacteria: Why Are They Necessary?

Probiotic farming, sometimes referred to as biointensive agriculture, combines various organic farming techniques that focus on making soil healthier. It introduces beneficial microorganisms into the growing environment.

Probiotics are defined as beneficial microbes, conferring health benefits to the host whether it is a plant or an animal. In this sense, in the last years the exploitation of probiotic microorganisms for the plant wellness and growth has largely caught on, so much so that nowadays, bioinoculants based on plant growth promoting (PGP ...


Strategies for applying endophytes as probiotics in plant in-vitro system. Plant growing under natural habitat is the potential source of promising endophytes that can be used for in-vitro system of the specific host plant.

Keywords: beneficial microbes, plant growth promotion, Trichoderma, Azotobacter, improved crop production

Citation: Woo SL and Pepe O (2018) Microbial Consortia: Promising Probiotics as Plant Biostimulants for Sustainable Agriculture. Front. Plant Sci. 9:1801. doi: 10.3389/fpls.2018.01801

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Received 2017 Apr 27; Accepted 2017 Jun 12; Collection date 2017.

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