



Pablo Hardoim

Research scientist

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Date of birth 30/06/1978

Nationality Brazil

Areas of expertise

- **Microbial ecology**
- **Plant-microbial interactions**
- **Microbial endophytes**

Background

- Originated from Brazil, Pablo Hardoim has specialized his studies in plant microbial interaction with emphasis on plant growth promotion. He was initially graduated in agricultural science at University of Lavras, Brazil and received his Master degree from Luiz de Queiroz College of Agriculture-University of São Paulo (ESALQ-USP), Brazil for studies on the interaction between arbuscular mycorrhizal fungi and sugarcane. His Doctorate degree was received from University of Groningen, The Netherlands on studies of bacterial endophytes from rice (*Oryza sativa*) plants.

Background

- He actively participated in the first functional rice endophyte metagenome project
- He has published over 10 papers and abstracts, including the anthropogenic effect on rice bacterial endophytes, the contribution of vertical transmission on the establishment of rice microbial community, and the bacterial properties required to become a competent endophyte
- He is a reviewer associated with more than 15 journals and one grand proposal agency (ANR).

Research interests

- His is currently investigating the mechanisms involved in plant-microbe interactions:
- How microbial functioning promotes plant growth?
- How symbiotic cooperation is established and maintained?
- What are the mechanistic properties needed to become endophytes?
- These questions have been answered with the fostering of technological developments including – omics technologies such as metagenome and metatranscriptome.