

**Name:**

Viviane Cordovez

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Short Professional Biography

Dr. Viviane Cordovez is a scientist at the Department of Microbial Ecology at the Netherlands Institute of Ecology in Wageningen, The Netherlands. She is interested in exploring the diversity and functions of plant-associated microorganisms and the mechanisms underlying plant-microbe interactions. Currently, together with Danish and American academic partners, she investigates the microorganisms inhabiting the aerial surfaces and the internal tissues (the phyllosphere microbiome) of wheat plants for protection against pathogens. She is also involved in collaborative projects between NIOO and USFQ, where they investigate the impact of plant domestication on the microbiomes of wild and modern tomato plants grown in native and agricultural soils.

Areas of expertise

- Plant-microbe interactions
- Rhizosphere and phyllosphere microbiomes
- Microbial and plant chemical communication
- Biocontrol and plant growth promoting microorganisms

Education

- 2016: PhD Wageningen University, Wageningen, The Netherlands (Plant-microbe interactions)
- 2011: MSc Wageningen University, Wageningen, The Netherlands (Plant Biotechnology)
- 2008: State University of Maringa, Brazil (Biology)

Selected publications

Cordovez V., Rtoni C., Dini-Andreote F., Oyserman B., Carrión V.J., Raaijmakers J.M. (2021). Successive plant growth amplifies genotype-specific assembly of the tomato rhizosphere microbiome. *Science of the Total Environment* 772, 144825.

Moisan K., Raaijmakers J.M, Dicke M., Lucas-Barbosa D., Cordovez V. (2021). Volatiles from soil-borne fungi affect directional growth of roots. *Plant, Cell & Environment* 44:339-345.

Carrión V.J., Perez-Jaramillo J., Cordovez V., Tracanna V., De Hollander M. et al. (2020). Pathogen-induced activation of disease-suppressive functions in the endophytic root microbiome. *Science* 366 (6465), 606-612.

Cordovez V., Dini-Andreote F., Carrión V.J., Raaijmakers J.M. (2019). Ecology and evolution of plant microbiomes. *Annual Review of Microbiology* 73, 69-88.

Complete list:

https://scholar.google.com/citations?hl=en&user=eJAljw0AAAAJ&view_op=list_works&authuser=1&sortby=pubdate