



## Webinar of the Polish Phytopathological Society

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### Monica Höfte

Ghent University, Ghent, Belgium

#### WORK PLACES

- 2022 – current: Head of department Plants and Crops, Faculty of Bioscience Engineering, Ghent University, Belgium
- 2012-current: full professor in Plant Pathology, Ghent University, Belgium
- 2006-2012, professor in Plant Pathology, Ghent University, Belgium
- 2005-2006: associate professor
- 1997-2005: assistant professor
- 1994-1995: postdoc Université de Lausanne, Switzerland
- 1990-1997: assistant lab Phytopathology, Fac. Agricultural and Applied Biological Sciences, Ghent University
- 1984-1990: scientific collaborator lab. Microbial Ecology, Ghent University and SCK, Mol

#### EDUCATION

- 1984: Ghent University, Agricultural Engineer, specialization Hydrobiology
- 1990: Ghent University, PhD in Microbial Ecology

#### SCIENTIFIC INTERESTS

- Plant pathology in general
- Plant-pathogen interactions
- Natural and induced defense mechanisms in plants
- Biological control of plant pathogens using *Bacillus* and *Pseudomonas* biocontrol agents
- Cyclic lipopeptides produced by rhizosphere bacteria
- Management of soilborne plant pathogens (*Fusarium oxysporum*, *Verticillium*, *Rhizoctonia*, *Pythium*, *Phytophthora*)
- Rice pathogens and their management

#### PUBLICATIONS

Hanna Mestdagh, Kris Van Poucke, Annelies Haegeman, Tinne Dockx, Isabel Vandeveld, Ellen Dendauw, An Decombel, **Monica Höfte**, Kurt Heungens (2023). Detection of *Fusarium oxysporum* f.sp. *lactucae* race 1 and 4 via race-specific real-time PCR and target enrichment. *Frontiers in Plant Science* 14: 1272136

Oluwatoyin Oluwakemi Afolabi, Vincent de Paul Bigirimana, Gia Khuong Hoang Hua, Feyisara Eyiwumi Oni, Lien Bertier, John Onwughalu, Olumoye Ezekiel Oyetunji, Ayoni Ogunbayo, Mario Van De Velde, Obedi I Nyamangyoku, Sarah De Saeger, **Monica Höfte** (2023). *Fusarium* and *Sarocladium* Species Associated with Rice Sheath Rot Disease in Sub-Saharan Africa. *Diversity* 15: 1090

Enrico Ferrarini, Mihael Špacapan, Van Bach Lam, Andrea McCann, Catherine Cesa-Luna, Bishnu Prasad Marahatta, Edwin De Pauw, René De Mot, Vittorio Venturi, **Monica Höfte** (2022). Versatile role of *Pseudomonas fuscovaginae* cyclic lipopeptides in plant and microbial interactions. *Frontiers in Plant Science* 13: 1008980

Shirley Marcou, Mariann Wikström, Sara Ragnarsson, Lars Persson, **Monica Höfte** (2021). Occurrence and Anastomosis Grouping of *Rhizoctonia* spp. Inducing Black Scurf and Greyish-White Felt-Like Mycelium on Carrot in Sweden. *Journal of Fungi* 7: 396

Léa Girard, **Monica Höfte**, Rene De Mot (2021). Lipopeptide families at the interface between pathogenic and beneficial *Pseudomonas*-plant interactions. *Critical Reviews in Microbiology* 46: 397-419