

BIOGRAPHY

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Title and name

Prof. Dr. Imre J. Holb

Nationality

Hungary

Panel

EFSA PLH

Education

DSc, 2010, Hungarian Academy of Sciences, Budapest, Hungary

Dr. habil, 2005, University of Debrecen, Debrecen, Hungary

PhD, 2001, University of Debrecen, Debrecen, Hungary

MSc in plant protection, 1999, University of Debrecen, Debrecen, Hungary

MSc in teaching, 1997, Agricultural University of Gödöllő, Gödöllő, Hungary

MSc in general agriculture, 1996, University of Debrecen, Debrecen, Hungary

Scientific and risk assessment experience

Plant disease epidemiology and management in fruit science such as against *Venturia*, *Monilinia*, *Erysiphe*, *Cercospora*, *Nectria*, *Podosphaera*, flyspeck, sooty blotch and *Erwinia* spp.

Spatio-temporal modelling of plant pathogens dynamics.

Aerobiology of fungal pathogens.

Organic and integrated disease and pest management: including resistance management (*Monilinia* and *Venturia* spp.) and entomological aspects such as against *Cydia pomonella* and *Aphis sambuci*.

Non-chemical control methods against fungal pathogens.

Testing biological activity and environmental risks of biological control materials against fungi (e.g. *Venturia*, *Monilinia* spp.) and bacteria (e.g. *Erwinia* spp.) such as Blossomprotect, Serenade, Biopro, Blightban, Boni Protect forte.

Testing cultivar susceptibility of fruits to diseases and pests (including fungi, bacteria, viruses, abiotic disorders and insects).

Experimental design and statistical data handling in epidemiology of plant pathogens.

Main scientific publications

Epidemiology, forecasting and management of plant diseases in integrated and organic horticultural production

Leeuwen van GCM, Baayen RP, Holb IJ, Jeger MJ (2002) Distinction of the Asiatic brown rot fungus *Monilia polystroma* sp. nov. from *Monilia fructigena*. MYCOL RES 106: 444-451.

- Holb IJ, Heijne B, Withagen JCM, Gáll JM, Jeger MJ (2005) Analysis of summer epidemic progress of apple scab in different apple production systems in the Netherlands and Hungary. *PHYTOPATHOLOGY* 95: 1001-1020.
- Holb IJ (2006) Effect of six sanitation treatments on leaf litter density, ascospore production of *Venturia inaequalis* and scab incidence in integrated and organic apple orchards. *EUR J PLANT PATHOL* 115 (3): 293-307.
- Holb IJ (2007) Classification of apple cultivar reactions to scab in integrated and organic apple production systems. *CAN J PLANT PATHOL* 29 (3): 251-260.
- Holb IJ, Schnabel G (2008) The benefits of elemental sulfur and a DMI fungicide mixture to control *Monilinia fructicola* isolates with reduced sensitivity to propiconazole. *PEST MANAG SCI* 64 (2): 156-164.
- Holb IJ, Scherm H (2008) Quantitative relationships between different injury factors and development of brown rot caused by *Monilinia fructigena* in integrated and organic apple orchards. *PHYTOPATHOLOGY* 98: 79-86.
- Holb IJ (2009) Fungal disease management in environmentally friendly apple production. A review. *ADV SUSTAIN AGRIC* 2: 219-293.
- Holb IJ, Gáll JM, Fodor B (2009) Effect of production system and pruning on temporal development of *Cercospora depazeoides* and on berry yield in black elderberry orchards. *PLANT DIS* 93: 625-631.
- Holb IJ, Balla B, Abonyi F, Fazekas M, Lakatos P, Gáll JM (2011) Development and evaluation of a model for management of brown rot in organic apple orchards. *EUR J PLANT PATHOL* 129: 469-483.
- Holb IJ, Balla B, Vámos A, Gáll JM (2012) Influence of preharvest calcium applications, fruit injury, and storage atmospheres on postharvest brown rot of apple. *POSTHARV BIOL TECHNOL* 67: 29-36.
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