

CURRICULUM VITAE

PERSONAL INFORMATION

Family name Höfer
First name Monika
Date of birth April 6, 1960
Place of birth Riesa, Germany



Business address Julius Kühn Institute
Institute for Breeding Research on Fruit Crops
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EDUCATION AND QUALIFIKATION

1978 – 1983 Study of biology at Humboldt-University in Berlin, Germany
(Special field – Plant physiology)
1983 – 1985 PhD-study at Humboldt-University in Berlin (Faculty of biology)
1986 Doctorate degree (Dr. rer. nat.)

EMPLOYMENT HISTORY

1985 – 1991 Scientific co-worker at the Academy of Agricultural Sciences of German Democratic Republic, Institute of Fruit Research in Dresden-Pillnitz
1992 Scientific co-worker at the Federal Centre for Breeding Research on Cultivated Plants, Institute of Fruit Breeding in Dresden-Pillnitz, Germany Now: Julius Kühn Institute, Institute for Breeding Research on Fruit
2003 Curator of the Fruit Genebank of the Institute in Dresden-Pillnitz
2014 Coordination centre of the German Fruit Genebank

MISCELLANEOUS

- Advisory Board Member of the German Fruit Gene bank
- Member of the advisory and coordination committee for genetic resources of agricultural and horticultural plants in Germany (board of the Federal Ministry of Food and Agriculture)
- Contact person for ECPGR Working groups for Malus/Pyrus and Prunus of Germany

Most relevant peer reviewed papers (in the last 5 years)

Höfer M, Flachowsky H, Hanke MV. (2019) German Fruit Genebank – looking back 10 years after launching a national network for sustainable preservation of fruit genetic resources. *Journal für Kulturpflanzen* 71 (2/3) 41-51.

Flachowsky H, **Höfer M** (2018) Äpfel, Birnen, Beeren: Die Deutsche Genbank Obst, ein Netzwerk von Lebenssammlungen mit besonderen Herausforderungen. In: Karafyllis N.C. (2018) *Theorien der Lebensammlung: Pflanzen, Mikroben und Tiere als Biofakte in Genbanken*, Verlag Karl Alber, München/Freiburg, S. 287-307.

Hjeltnes SH, Giovannini D, Blouin M, Benedikova D, Drogoudi P, **Höfer M**, Laciš G, Ognjanov V, Lateur M, Engels JM, Maggionii I. (2017) PRUNDOC – a project to define accessions for the European collection. *Acta Hort.* 1175: 19-24.

Girichev V, von Reth M, Hanke MV, **Höfer M**, Schulte E, Flachowsky H. (2018): Evaluation of *Rubus* genetic resources on their resistance to cane disease. *Genetic Resources and Crop Evolution*: 65 (7): 1979 - 1993.

Höfer M, Hanke MV. (2017): Cryopreservation of fruit germplasm. *In Vitro Cellular & Developmental Biology - Plant* 53(4): 372-381.

Iezzoni A, Wünsch A, **Höfer M**, Giovannini D, Jensen M, Garcia JQ, Campoy JA, Vokura A, Barreneche T. (2017): Biodiversity, germplasm resources and breeding methods. In: Garcia JQ, Iezzoni A, Pulawska J, Lang G. (Eds.): *Cherries: Botany, Production and Uses*, 36-59.

Höfer M, Giovannini D (2017) Phenotypic characterization and Evaluation of European cherry collections: A survey to determine the most commonly used descriptors. *Journal Horticultural Science and Research* 1: 7-12.

Höfer M (2016) Cryopreservation of in vitro shoots tips of strawberry by the vitrification method – Establishment of a duplicate collection of *Fragaria* germplasm. *CryoLetters* 37: 163-172.

Puskas M, **Höfer M**, Sestras RE, Peil A, Sestras AF, Hanke MV, Flachowsky H (2016) Molecular and flow cytometric evaluation of pear (*Pyrus* L.) genetic resources of the German and Romanian national fruit collections. *Genet Resources Crop Evol.* 63: 1023-1033.

Höfer M (2015) Cryopreservation of winter-dormant apple buds: establishment of a duplicate collection of *Malus* germplasm. *Plant Cell Tiss Organ Cult* 121:647-656.

Bestfleisch M, Luderer-Pflimpfl M, **Höfer M**, Schulte E, Wünsche JN, Hanke MV, Flachowsky H. (2015) Evaluation of strawberry (*Fragaria* L.) genetic resources for resistance to *Botrytis cinerea*. *Plant Pathology* 64(2): 396-405.

Höfer M, Ali M, Sellmann J, Peil A (2014) Phenotypic evaluation and characterization of a collection of *Malus* species. *Genet Resour Crop Evol* 61:943-964.

Höfer M, Peil A (2015) Phenotypic and genotypic characterization in the collection of sour and duke cherries (*Prunus cerasus* and $\times P. \times gondouini$) of the Fruit Genebank in Dresden-Pillnitz, Germany, 62: 551-566.

Höfer M (2015) Cryopreservation of winter-dormant apple buds: establishment of a duplicate collection of *Malus* germplasm *Plant Cell Tiss Organ Cult* 121: 647-656.

Horbens M, Feldner A, **Höfer M**, Neinhuis C (2014). Ontogenetic tissue modification in *Malus* fruit peduncles: the role of sclereids. *Annals of Botany* 113, 105-118.

Höfer M, Hanke MV (2014). 10 Jahre Obstgenbank Dresden-Pillnitz in der Verantwortlichkeit der Bundesforschung. *Journal für Kulturpflanzen* 66, 117-129.

Hanke MV, **Höfer M**, Flachowsky H, Peil A (2014) Fruit genetic resources management: collection, conservation, evaluation and utilization in Germany. *Acta Horticulturae* 1032, 231-234.