

## CURRICULUM VITAE - Ingerd Skow Hofgaard pr 17.09.2019

### PERSONALIA

Ingerd Skow Hofgaard  
NIBIO, Norsk institutt for bioøkonomi  
Pb 115, NO-1431 Ås  
Norge

Født: 26.03.1968



Jeg jobber hovedsakelig med prosjekter innen soppsjukdommer i gras og korn, med fokus på *Microdochium* spp. og *Fusarium* spp. i korn (epidemiologi, sjukdomsresistens, varsling og bekjempelse). Jeg har jobbet i NIBIO (tidligere Planteforsk, Bioforsk) siden 1997. I 1995 ble jeg Cand. scient. i plantefysiologi ved Universitetet i Oslo. I 2003, tok jeg doktorgrad innen plantepatologi ved NIBIO og Norges miljø- og biovitenskapelige universitet (NMBU). Jeg har jobbet på flere prosjekter med tema *Fusarium* og mykotoksiner, ofte med rollen som prosjektleder eller arbeidspakkeleder for NIBIOs aktiviteter. Siden 2012 har jeg koordinert de fleste aktiviteter innen forskning på *Fusarium* og mykotoksiner i NIBIO. Jeg er nestleder ved Avdeling soppsjukdommer i Divisjon for bioteknologi og plantehelse i NIBIO, og fra 2013 har jeg tidvis vært ansatt som forsker med ansvar for undervisning ved NMBU.

### UTDANNELSE

- 1991 Cand. mag. (B. Sc.), Matematisk-naturvitenskapelig fakultet, Universitetet i Oslo.  
1995 Cand. scient (M. Sc.) i Plantefysiologi, Biologisk institutt, Universitetet i Oslo.  
Oppgavens tittel: Effekt av økt CO<sub>2</sub>-tilførsel og varierende næringstilgang på frøplanter av gran (*Picea abies*).  
2003 Dr. scient innen Plantepatologi ved Norges Landbrukshøgskole. Avhandlingens tittel: Resistens mot snømugg (*Microdochium nivale*) i flerårig raigras (*Lolium perenne* L.).

### RELEVANT ARBEID

- 1992-1993 Hjelpelærer i plantefysiologi ved Biologisk institutt, Universitetet i Oslo.  
1995-1997 Ansatt som forsker på prosjektet "Added growth fertiliser" ved Fytotronen, Biologisk institutt, Universitetet i Oslo.  
1997-2002 Stipendiat på prosjektet "Naturlig resistens" ved Plantevernet (nå NIBIO).  
Fra 1998- Undervist på kurs i plantepatologi ved NMBU.  
Fra 2009- Biveileder for master og doktorgradsstudenter ved NMBU.  
Fra 2002- Ansatt som forsker ved Planteforsk Plantevernet (nå NIBIO) på diverse prosjekter innen sjukdommer i gras og korn.  
2009-2012 Faggruppeleder med personalansvar for faggruppe sjukdommer i korn og gras ved Bioforsk Plantehelse (nå NIBIO).  
2012-2013 Medlem av prosjektgruppa i VKM som utarbeidet rapporten «Risk assessment of mycotoxins in cereal grain in Norway».  
Fra 2012- Koordinerer aktiviteter innen forskning på *Fusarium* og mykotoksiner i NIBIO.  
Fra 2012- Nestleder ved avdeling soppsjukdommer, divisjon for bioteknologi og plantehelse ved NIBIO.  
Fra 2013- Tidvis ansatt som forsker med ansvar for undervisning ved NMBU (5-10% stilling).

### Deltakelser i komiteer og utvalg av relevans:

- Fra 2008- Evaluert manuskripter for European Journal of Plant Pathology, Journal of Phytopathology, Fungal Ecology, European Journal of Agronomy og Plant pathology;  
2009: Medlem av den vitenskapelige komiteen som arrangerte «The 5th international meeting on Plant and Microbe adaptation to the Cold» (PMAC2009), 4 - 8 desember 2009, Ås, Norway;  
Fra 2010-2016 Leder av NJF-arbeidsgruppe "Fusarium and mycotoxins in cereals".  
2010: Hovedansvarlig for arrangering av «The Nordic Baltic Fusarium Seminar 2010» (NBFS 2010);  
Fra 2010- Medlem av komiteen som arrangerte «Nordic Baltic Fusarium Seminar» (NBFS): NBFS 2010, NBFS 2012, NBFS 2014, NBFS 2017 og NBFS 2019.  
2015: Referee på prosjektsøknad til det danske Miljøministeriets pesticidprogram.  
2017: Evaluerte en Dr. grad ved Universitetet i Zürich.  
2019-2023: Varamedlem i NIBIOs styre

## PUBLIKASJONER fagfelleverderte

Hjelkrem A. G. R., Aamot H. U., Brodal G., Strand E. C., Torp T., Edwards S. G., Dill-Macky R. and Hofgaard I. S. 2018. HT-2 and T-2 toxins in Norwegian oat grains related to weather conditions at different growth stages. *Eur. J. Plant Pathol.* Vol 151, pp 501-514 <https://doi.org/10.1007/s10658-017-1394-3>

Getachew A., Chala A., Hofgaard I. S., Brurberg M. B., Sulyok M. and Tronsmo A. M. 2018. Multimycotoxin and fungal analysis of maize grains from south and southwestern Ethiopia. *Food Additives & Contaminants: Part B* 11, 64-74. <http://www.tandfonline.com/doi/full/10.1080/19393210.2017.1408698>

Till Seehusen; Ingerd S Hofgaard; Kirsten S Tørresen; Hugh Riley (2017). Residue cover, soil structure, weed infestation and cereal yields as affected by tillage and straw management on three soils in Norway. *Acta Agriculturae Scandinavica, Section B – Soil & Plant Science* 67: 93-109. <http://www.tandfonline.com/doi/full/10.1080/09064710.2016.1221987>

Aamot, H.U., Hofgaard, I. S., Lysøe, E. (2017). Complete genome sequence of *Luteibacter rhizovincinus* strain LJ96T, isolated from the rhizosphere of barley (*Hordeum vulgare* L.) in Denmark. *Genomics Data* 11: 104-105 <http://www.sciencedirect.com/science/article/pii/S2213596016302057>

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Uhlig, S., Stanic, A., Hofgaard, S.I., Kluger, B., Schuhmacher, R. and Miles, O.C., (2016). Glutathione-Conjugates of Deoxynivalenol in Naturally Contaminated Grain Are Primarily Linked via the Epoxide Group. *Toxins*, 8. <http://www.mdpi.com/2072-6651/8/11/329>

Brodal, G., Hofgaard, I.S., Eriksen, G.S., Bernhoft, A. and Sundheim, L., 2016. Mycotoxins in organically versus conventionally produced cereal grains and some other crops in temperate regions. *World Mycotoxin Journal*: 1-16. <http://www.wageningenacademic.com/doi/abs/10.3920/WMJ2016.2040>

Kovi, M.R., Abdelhalim, M., Kunapareddy, A., Ergon, Å., Tronsmo, A.M., Brurberg, M.B., Hofgaard, I.S., Asp, T. and Rognli, O.A., 2016. Global transcriptome changes in perennial ryegrass during early infection by pink snow mould. *Scientific Reports* 6: 28702. <http://www.nature.com/articles/srep28702>

Hofgaard, I.S., Seehusen, T., Aamot, H.U., Riley, H., Razzaghian, J., Le, V.H., Hjelkrem, A.G.R., Dill-Macky, R. and Brodal, G., (2016). Inoculum potential of *Fusarium* spp. relates to tillage and straw management in Norwegian fields of spring oats. *Frontiers in Microbiology*, 7, Article no 556, 1-15. <http://journal.frontiersin.org/article/10.3389/fmicb.2016.00556/full>

Pasquali, M., Beyer, M., Logrieco, A., Audenaert, K., Balmas, V., Basler, R., Boutigny, A.L., Chrpova, J., Czembor, E., Gagkaeva, T., Gonzalez-Jaen, M.T., Hofgaard, I.S., Köycü, N.D., Hoffmann, L., Levic, J., Garcia, P.M., Miedaner, T., Migheli, Q., Moretti, A., Müller, M.E.H., Munaut, F., Parikka, P., Pallez-Barthel, M., Picc, J., Scauflaire, J., Scherm, B., Stankovic, S., Thrane, U., Uhlig, S., Vanheule, A., Yli-Mattila, T. and Vogelgsang, S., (2016). A European database of *Fusarium graminearum* and *F. culmorum* trichothecene genotypes. *Frontiers in Microbiology*, 7 Article no 406, 1-11. <http://journal.frontiersin.org/article/10.3389/fmicb.2016.00406/full>

Mohamed Abdelhalim, Odd Arne Rognli, Ingerd Skow Hofgaard, Liv Østrem, Anne Marte Tronsmo 2016. Snow mould resistance under controlled conditions and winter survival in the field in populations of perennial ryegrass, meadow fescue and *Festulolium* are partly dependent on ploidy level and degree of northern adaptation. *Canadian Journal of Plant Science*, Published on the web 17 March 2016, 10.1139/CJPS-2015-0259. <http://www.nrcresearchpress.com/doi/abs/10.1139/CJPS-2015-0259#.V9ZWzfmLTcs>

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Hofgaard, I. S., Wanner, L.A., Hageskal, G., Henriksen, B., Klemsdal, Sonja S. and Tronsmo, A.M. 2006. Isolates of *Microdochium nivale* and *M. majus* differentiated by pathogenicity on perennial ryegrass (*Lolium perenne* L.) and in vitro growth at low temperature. Journal of Phytopathology 154, 267-274. <http://onlinelibrary.wiley.com/doi/10.1111/j.1439-0434.2006.01092.x/full>

Browne, R.A., Mascher, F., Golebiowska, G. and Hofgaard, I. S. 2006. Components of Partial Disease Resistance in Wheat Detected in a Detached Leaf assay Inoculated with *Microdochium majus* Using First, Second and Third Expanding Seedling Leaves. Journal of Phytopathology 154, 204-208. <http://onlinelibrary.wiley.com/doi/10.1111/j.1439-0434.2006.01084.x/full>

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- Hjelkrem, A. G. R., Torp, T., Brodal, G., Aamot, H. U., Nordskog, B. Strand, E. and Hofgaard, I. S. 2014. Influence of weather conditions at different plant growth stages on mycotoxin content in oat. NJF seminar 478. NJF report, Vol 9, No 8, 2014.
- Hofgaard, I.S., Aamot, H. U., Razzaghian, J., Gauslaa, E, Steen, H. S., og Brodal, G. 2014. *Fusarium langsethiae* og mykotoksiner i havre. Bioforsk FOKUS, Vol. 9, Nr. 2, p 111, 2014
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- Tørresen, K. S., Stenrød, M. & Hofgaard, I.S., 2014. Jordarbeiding og glyfosatbruk. Jord og Plantekultur. Bioforsk FOKUS Vol. 9 Nr. 1, p 141-146, 2014
- Hofgaard, I.S., Brodal, G., Abrahamsen, U. og Strand, E. 2013. Hvordan redusere risiko for mykotoksiner i korn? Dyrkingsveiledning. Bioforsk TEMA, Vol. 8, Nr. 5, 2013 [http://www.bioforsk.no/ikbViewer/Content/104100/TEMA\\_8%285%29Dyrk-veil\\_Fusarium.pdf](http://www.bioforsk.no/ikbViewer/Content/104100/TEMA_8%285%29Dyrk-veil_Fusarium.pdf)
- Brodal, G, Hofgaard, I.S., 2013. Akksfusariose - giftig korn fra sjuke planter. Bioforsk FOKUS, Vol. 8, Nr. 2, p 118, 2013 <http://www.bioforsk.no/ikbViewer/Content/102141/Bioforskkonferansen%202013.pdf>
- Bernhoft, A., Eriksen, G. S., Sundheim, L., Berntssen, M., Brantsæter, L. A., Brodal, G., Fæste, C. K., Hofgaard, I.S., Rafoss, T., Sivertsen, T., Tronsmo, A. M. 2013. Risk assessment of mycotoxins in cereal grain in Norway. Opinion of the Scientific Steering Committee of the Norwegian Scientific Committee for Food Safety. 09.04.2013, ISBN: 978-82- 978-82-8259-090-7
- Bernhoft, A., Eriksen, G. S., Sundheim, L., Brantsæter, A. L., Fæste, C. K., Rafoss, T., Tronsmo, A. M., Berntsen, M., Brodal, G., Hofgaard, I.S., Sivertsen, T., Fotland, T. Ø., Gifstad, T. Ø. Holene, E., Lid, E. T., Lillegaard, I. T. L., & Wiborg, M. L. 2013. Risikovurdering - mykotoksiner i korn, Bioforsk FOKUS, Vol. 8, Nr. 2, p 125-126, 2013 <http://www.vkm.no/dav/eee04d10c4.pdf>
- Tørresen, K. S., Hofgaard, I.S., Eklo, O., Netland, J., Brandsaeter, L., Brodal, G., Elen, O., Ficke, A., Almvik, M., Bolli. R., Stenrød, M. & Strand, E. 2013. Redusert jordarbeiding og konsekvenser for plantevern. Bioforsk FOKUS 8 (2) 2013 s. 195-197
- Tørresen, K. S., Hofgaard, I.S., Netland, J., Brandsaeter, L., Brodal, G., Elen, O., Ficke, A., Almvik, M., Bolli, R., Stenrød, M. & Strand, E. 2012. Redusert jordarbeiding og konsekvenser for plantevern. Reduced tillage and consequences for plant protection. Bioforsk rapport 7(58) 2012. [http://www.bioforsk.no/ikbViewer/Content/102501/BIOFORSK%20RAPPORT%20%207\\_\(58\)\\_2012\\_kartlegg%20jordarbeiding.pdf](http://www.bioforsk.no/ikbViewer/Content/102501/BIOFORSK%20RAPPORT%20%207_(58)_2012_kartlegg%20jordarbeiding.pdf)
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- Elen, O., Hofgaard, I.S., Brodal, G. and Börjesson, T. 2012. Importance of including wheat and oat cereal phenology models for in DON prediction models. NJF report, Vol. 8, Nb.10, p 22, 2012.
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