

Curriculum Vitae – Jan Stenlid, September 2021

Current position

Since 1995 Professor in Forest Pathology. SLU

Previous positions

1995-1999 and 2010-2018 Head of department

2004 – 2006 Vice Dean for research and PhD education NJ Faculty, 40 % time.

1999 - 2010 Deputy head of the dept. SLU.

FORMER and CURRENT PhD STUDENTS

I have functioned as main supervisor for 27 PhD students that have defended their theses and I have been the assisting supervisor for 23 PhD students. Currently, I am the main supervisor for one student and assisting supervisor for 5 PhD students.

I have been opponent/external examiner on 13 PhD theses, 3 in Sweden, 3 in Norway, 2 in Denmark and 2 in Finland, 1 in UK, 1 in Canada, and 1 in South Africa and on the evaluation committee for 32 PhD defenses in Sweden.

FORMER AND CURRENT POSTDOCS

24 Post docs and scientists have visited my lab since 2000.

RESEARCH

Until September 2021, I have published 319 papers in international journals, and during 2017-2021, 42 papers in international journals. Total citations in the ISI data base in September 2021 were 15 088 with a H-factor of 59. In Google scholar the number of citations were 24518 and the H-factor 80. I have been included into the most cited researcher listing: in 2018, one of the top cited researchers in plant and animal sciences in the Clarivate analytics database and in 2019 and 2020 in the category cross field. Major ISI research areas include: FORESTRY, MYCOLOGY, PLANT SCIENCES, ENVIRONMENTAL SCIENCES, ECOLOGY, GENETICS HEREDITY, BIOCHEMISTRY MOLECULAR BIOLOGY, EVOLUTIONARY BIOLOGY, MICROBIOLOGY, SCIENCE TECHNOLOGY. Specific research interests include: Infection biology of plant pathogens including molecular mechanisms and species specificity. Resistance biology of conifers. Systematics and molecular identification of wood inhabiting fungi. Wood degradation biology. Biodiversity, succession and interactions of fungi. Stress biology. Monitoring, control and management of forest diseases, in particular *Heterobasidion* root rot. Population biology and population genetics of fungi. Fungal genomics. Invasive species in Forest Ecosystems. Responses in society to forest pathology. I am currently leading a research group of approx 15 researchers.

I have been invited to give oral presentations at approximately 40 occasions since 2000.

OTHER Professional ACTIVITIES

National assignments: I was member of the evaluation committee for grant applications "plant science" at SJFR and FORMAS 1999-2004, 2003 as chairman, and for SSF in 2021. Member of advisory group for "biological control" 1999- 2007 at Kemikalieinspektionen. Member of Centrala skogsskyddskommittén for forest protection run by Skogsstyrelsen (Swedish Forest Agency) 1995- present, as well as in their steering group for "Stoppa borarna" (Stop Spruce Bark Beetle) 2019- , and in their Multidamaged Forest group 2017- and in the Dutch Elm Disease group 2015-. Member of the recruitment committee 1999-2003 (Läraryrådsnämnden) and Faculty Board 2002-2003 at the Forest Faculty, SLU. During 2004-2006 I had a 40 % assignment as ProDean for Research at the Faculty of Natural Sciences, SLU, and was also in the Forskarråd (Research advisory) for the vice chancellor during this time. Member of evaluation team for biology Quality and Renewal (KOF), Uppsala University 2011 and in their recruitment group for assistant lecturers 2013. I have been the vice chair for the plant protection platform at SLU since 2014 -. Member of the biology section at Royal Academy of Science (KVA) 2011-2015. Member of the national reference group for SciLifeLab 2017 - . Chairman of the KSLA committee for forest pests and diseases 2019 -. Member of the board of Oscar and Lilly Lamms stiftelse 2021-.

International assignments: Member of editorial boards of Forest Pathology, 1997-present, Mycologia, 2000-2002, Agronomie, 1998-2000 Canadian Journal of Forest Research 2008- Journal of Plant Pathology, 2020- and refereed papers in approx. 20 scientific journals. Chairman of IUFRO working party on root and butt rot 1994-1998 and of Nordic forest pathologists 1996-2000. I have refereed research applications for the Academy of Finland, Norges forskningsråd, NERC in UK, Genome Canada, Genome BC, Canada, ARC in Australia, NSF in USA, The Endeavour Fund NZ, ANR in France and European Research Council. Member of evaluation team for INRA, Nancy, France 2012, and 2016. Chair of Sci. Adv. Board for res programme Genomics Based Forest Health Monitoring and Diagnostics (Canada) 2011-2014. Member of advisory board for ash decline research, BBSRC, UK 2013-2016. Member of the recruitment committee for young researchers at Uppsala University 2013. Member of the EPPO Pest Risk Analysis for *Heterobasidion irregulare* 2014 and 2018, and as a national representative in EPPO 2018-. Evaluator of the Ganoderma root disease of oil palm program in Malaysia 2016. Member of the climate committee for evaluating research proposals at the Norwegian research Council, 2016, 2017.

Awards: 2020 SLUs royal gold medal for life time achievements. 2017 Second prize at The Cannes Corporate Media & TV Awards for film "A rapidly changing forest" (major scientific contribution) Cannes. 2013 The Thuréus prize for excellent scientific achievements, Royal Swedish Science Society; 2013 Member of the Royal Academy of Arts and Science of Uppsala; 2012 Member of the Royal Swedish Academy of Agriculture and Forestry; 2011 Member of the Royal Swedish Academy of Science section for biology; 2009 The Alfred Toepfer prize for Agriculture, Forestry and Nature Protection, The Alfred Toepfer Stiftung, Germany.; 2007 Excellence award Swedish university of Agricultural Sciences; 2007 Honorary membership American Mycological Society; 2006 Honorary medal University of

Helsinki, Finland; 1990 The Lineus price Royal Swedish Science Society; 1988 Price for excellent PhD Thesis, Royal Swedish Academy of Agriculture and Forestry.

RESEARCH FINANCING

My research has been financed from grants from the research Councils in Sweden (PI on more than 30 grants), Swedish Strategic Research Foundations (6 as participant researcher and 1 as PI), EUs programs (1 as PI och 6 as participant + 1 as PI in a BIODIVERSA program), one project as PI at the US dept of Energy Joint Genomic Institute. I also have had support from Wallenberg foundations and other private foundations, as well as from SciLife Lab. Apart from the state funding of my position, my research has attracted 5-10 million SEK funding yearly during my time as professor at SLU.

Collaboration with forestry and other non-academic companies: Root rot biocontrol, in collaboration with Verdera OY. One PhD student was recently employed by Södra Skogsägarna and one funded by Stora Enso. I have been active in organizing and participating in seminars and consultancy with forest industry and authorities.

SELECTED PUBLICATION

1. Eastwood, DC, ... **Stenlid J**, ..., Watkinson, SC. 2011. The Plant Cell Wall-Decomposing Machinery Underlies the Functional Diversity of Forest Fungi. *Science* 333, 762-765.
2. Olson, Å, ... **Stenlid, J**. 2012. Trade-off between wood decay and parasitism: Insights from the genome of a fungal forest pathogen. *New Phytologist* 194:1001-1013.
3. Floudas, ... **Stenlid, J**, ... Hibbett, DS. 2012. The Paleozoic Origin of Enzymatic Lignin Decomposition Reconstructed from 31 Fungal Genomes. *Science* 336:1715-1719.
4. Kubartova A, Ottosson E, Dahlberg, A & **Stenlid, J**. 2012. Patterns of fungal communities among and within decaying logs, revealed by 454 sequencing. *Molecular Ecology* 21:4514-4532.
5. Santini A, ... **Stenlid J**. 2013. Biogeographical patterns and determinants of invasion by forest pathogens in Europe. *New Phytologist*.197: 238-250.
6. Lindahl BD, ..., **Stenlid J**, Kauserud H. 2013. Fungal community analysis by high-throughput sequencing of amplified markers – a user’s guide. *New Phytologist* 199:288-299.
7. Clemmensen KE, ... **Stenlid J**, ... Lindahl BD. 2013. Roots and associated fungi drive long-term carbon sequestration in boreal forest. *Science* 339:1615-1618.
8. **Stenlid J** & Oliva, J. 2016. Phenotypic interactions between tree hosts and invasive forest pathogens in the light of globalization and climate change. *Philosophical Transactions of the Royal Society B*: 371(1709) 20150455.
9. Klapwijk, MJ ... **Stenlid J**, Mårald E. 2018. Capturing complexity: Forests, decision-making and climate change. *Global Environmental Change* 52:238-247.
10. Eriksson L ... **Stenlid J** Oliva J. 2019. Invasive forest pathogens in Europe: Cross-country variation in public awareness but consistency in policy acceptability. *Ambio* 48:1-12.
11. Oliva J, Redondo MA, **Stenlid J**. 2020. Functional ecology of forest disease. *Annual Review of Phytopathology* 58: 343-361.
12. Samils B ... **Stenlid J** Barklund P. 2021. Population genetic structure of *Cronartium pini* suggests differentiation between rust populations in northern Fennoscandia. *Fungal Ecology* 50:101032. 10.1016/j.funeco.2020.101032