BERNARD SLIPPERS

A person sitting at a table

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*CURRICULUM VITAE*

##### **UNIVERSITY OF PRETORIA**

**1. BIOGRAPHICAL SKETCH**

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| **1.1 GENERAL INFORMATION** | | | | | | | | | | | |
| **Surname** | Slippers | |  | |  | | | | | | |
| **First names** | Bernard | | **ID Number** | | 7205205044082 | | | | | | |
| **Citizenship** | South African | | **Title** | Prof | **Female** | | |  | **Male** | | X |
| **Place of birth** | Walvisbay, Namibia | | **Date of birth** | | 1972-05-20 | | | | | | |
| **Department** | Forestry and Agricultural Biotechnology Institute (FABI), Biochemistry, Genetics and Microbiology | | **Position** | | Professor | | | | | | |
| **Direct Telephone** | +27-12-4203938 | | **Direct Telefax** | | +27-12-4203960 | | | | | | |
| E-mail | Bernard.slippers@fabi.up.ac.za | | | | | | | | | | |
| **Date of appointment** | 09-2005 | **Permanent full-time** | | | | X | **Temporary full-time** | | |  | |

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| **1.2 QUALIFICATIONS AND TRAINING** | | | | |
| Degree/ **Diploma** | Field of study | Higher education institution | **Year** | **Distinctions** |
| BSc | Microbiology and Biochemistry | University of the Free State | 1994 | Microbiology and Biochemistry |
| BSc Hons | Microbiology | University of the Free State | 1995 | Yes |
| MSc | Microbiology | University of the Free State | 1999 | Yes |
| PhD | Microbiology and Plant Pathology | University of Pretoria | 2003 | N/A |
| Advanced Course | Transformational Leadership | Gordon Institute of Business Science | 2024 | N/A |

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| **1.3 WORK EXPERIENCE TO DATE** | | |
| **Name of employer** | **Capacity and/or type of work** | **Period** |
| Swedish University of Agricultural Sciences | Post-doctoral Fellow | 09-2003 to 08-2005 |
| University of Pretoria | Temporary Full-time Senior Lecturer | 09-2005 to 06-2006 |
| University of Pretoria | Full-time Senior Lecturer | 07-2006 to 12-2008 |
| University of Pretoria | Head of Boekenhout Residence | 02-2008 to 08-2014 |
| University of Pretoria | Associate Professor | 01-2009 to 12-2012 |
| University of Pretoria | Professor, Department of Biochemistry, Genetics and Microbiology (formerly Genetics) | 01-2013 to present |
| University of Pretoria | Head of TuksVillage Residence | 02-2016 to 06-2018 |
| University of Pretoria | Director of the Forestry and Agricultural Biotechnology Institute (FABI) | 01-2018 to present |
| University of Pretoria | Project leader and founding Director: Future Africa Institute | 04-2014 to 09-2019 |
| University of Pretoria | Project leader and founding Director: Innovation Africa @UP | 09-2019 to present |

**2. TEACHING ACTIVITIES**

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| **2.1 Courses presented** | |
| **Course** | **Level** *(e.g. second year, Masters)* |
| Genetic manipulation and analysis – population genetics module (GTS261) | BSc second year |
| Molecular Phylogenetics and Evolution (GTS363) | BSc third year |
| Scientific writing | BSc Hons and postgraduate groups in general |
| Philosophy of Science | BSc Hons |
| Insect – fungal interactions  (MBY352) (partial) | BSc second year |
| Guest lectures in courses in Microbiology and Entomology | BSc and BSc Hons |
| Student-supervisor relationship, time management, life-long learning and other topics related to postgraduate studies | Various post-graduate groups |

**3. POSTGRADUATE AND POSTDOCTORAL SUPERVISION**

**Completed postgraduate supervisions:**

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| **Name of student** | **Degree/Title of dissertation/ thesis** | **Supervisor** | **Co-supervisor(s)** |
| Rene Jacobs | **MSc** / *Botryosphaeria* diseases affecting Mango in South Africa | L Korsten | B Slippers  MJ Wingfield |
| Carlos Rodas | **MSc** / Diseases of *Eucalyptus* in Colombia with special reference to *Botryosphaeria* spp. | MJ Wingfield | B Slippers  M Gryzenhout |
| Draginja Pavlic | **MSc** / Ecology of *Botryosphaeria* spp. on exotic and indigenous Myrtaceae in South Africa | MJ Wingfield | B Slippers  TA Coutinho |
| Happy Maleme | **MSc** / *Botryosphaeriaceae* affecting *Eucalyptus* spp. planted for feeding Koala bears in the Pretoria zoo | B Slippers | MJ Wingfield  BD Wingfield  D Pavlic |
| Francois van der Walt | **MSc** / Botryosphaeriaceae on *Acacia* species | G Marais | B Slippers  J Roux  MJ Wingfield |
| Kerry-Anne Pillay | **MSc** / Diversity of endophytic fungi of *Eucalyptus* | M Gryzenhout | B Slippers  MJ Wingfield |
| Angelica Marsberg | **MSc** / Diversity and distribution of fungal endophytes associated with native *Syzygium cordatum* in South Africa | M Gryzenhout | B Slippers  MJ Wingfield |
| Marc Bouwer | **MSc** / Chemical ecology of the *Gonipterus scuttelatus*-*Eucalyptus* interaction | E Rohwer | B Slippers  MJ Wingfield |
| Osmond Mlonyeni | **MSc** / Population genetics of *Sirex* noctilio and *Deladenus siricidicola* | B Slippers | BD Wingfield  MJ Wingfield |
| Jan Nagel | **MSc** / Species of *Phytophthora* associated with native ecosystems in Gauteng | M Gryzenhout | B Slippers  MJ Wingfield |
| Zander Human | **MSc** / Actinomycete bacteria associated with forest insects | MJ Wingfield | F Venter  W de Beer  B Slippers |
| Linda Ndove | **MSc** / Botryosphaeriaceae associated with *Podocarpaceae* in South Africa | B Slippers | MJ Wingfield  E de Meyer |
| Caryn Oates | **MSc** / Genetics of host response to *Leptocybe invasa* | S Naidoo | B Slippers  Z Myburg |
| Amy Wooding | **MSc** / Sex determination and symbiont transmission in the *Sirex*-*Amylostereum* mutualism | B Slippers | J Garnas  B Hurley  J Greeff  MJ Wingfield |
| Herman de Bruin | **MSc** / Entomopathogens affecting tree pests in South Africa | B Slippers | W de Beer |
| Lerato Maubane | **MSc** / Pine needle fungal endophytes including species of *Lophodermium* | M Gryzenhout | B Slippers  MJ Wingfield |
| Kwabena Baffoe | **MSc** / *Leptocybe invasa*: The prospects of host plant resistance and biological control | BP Hurley | B Slippers  MJ Wingfield |
| Caitlin Botha | **MSc** / The genetics of sexual reproduction in a Basidiomycete, *Amylostereum areolatum* | B Slippers | M Coetzee  MA van der Nest |
| Edohan Clasen | **MSc** / Horizontal gene transfer and evolution of symbiosis | B Slippers | O Reva  R Pierneef  A Postma |
| Samantha Bush | **MSc** / Biology and management of *Glycaspis* in South Africa | BP Hurley | B Slippers |
| Bianca Rodriguez Jardim | **MSc** / Manipulation of mating systems for control of invasive Hymenoptera | B Slippers | W Fick  A Postma |
| Kayla Noeth | **MSc /** Biology and management of *Coryphodema tristis* | B Hurley | B Slippers |
| Caitlin Gevers | **MSc /** The insect community associated with Leptocybe galls | B Hurley | B Slippers  G Dittrich |
| Luki-Marie Scheepers | **MSc /** Pheromones of selected plantation pests | E Rohwer | B Slippers  M Bouwer |
| Mathew Harris | **MSc /** Fungal diversity and phylogeography in Africa | M Greve | B Slippers  M Kemler |
| Lomile Khoete | **MSc /** The diversity of *Gonipterus* sp. 2 and its biological control agent, *Anaphes nitens*, in South Africa | Martin Coetzee | B Slippers  B Hurley  I Barnes  M Schroder |
| Jolene Kotze  (University of the Free State) | **MSc /** Botryosphaeriaceae on pecans in South Africa | Gert Marais | M Gryzenhout  B Slippers |

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| Ashleigh Smith | **MSc /** Genetic characterisation of moth species in the Macadamia nut borer complex | G Fourie | B Hurley  B Slippers |
| Sophia Makua | **MSc /** The genetics of the *Sirex noctilio* response to infection by *Deladenus siricidicola* | B Slippers | MPA Coetzee  A Postma |
| Leandri Bezuidenhout | **MSc /** Genetics of chemical communication in *Sirex noctilio* | B Slippers | T Duong  J Allison |
| Zorada Swart | **MSc /** Genetics of parasitism in *Deladenus siricidicola* | B Slippers | T Dong  B Wingfield |
| Sumari Venter | **MSc /** Genetics of parasitism in *Deladenus siricidicola* | B Slippers | A Postma  T Duong |
| Lihan Esterhuizen | **MSc /** Spectral analysis of *Teratosphaeria destructans* infection | A Hammerbacher | B Slippers |
| Preston Shaw | **MSc /** *Ceratocystis* genomics | T Duong | B Slippers  B Wingfield |
| Elmarie van der Merwe | **MSc** / Rearing and gene editing of *Sirex noctilio* | G Dittrich Schroder | B Slippers |
| Jade Ashmore | **MSc** / Genomics and gene editing of *Gonipterus* sp. n2 | G Dittrich-Schroder | B Slippers  T Duong |
| Marizanne Jones | **MSc** / Biological control of *Gonipterus* sp. n2 | M Schroder | B Slippers  B Hurley |
| Hannes Strydom | **MSc /** Modeling the spread of gene drives in invasive pest populations | B Slippers | M Chapwanya  M Yusuf |
| Matthew Jackson | **MSc /** Population genetics and gene editing of *Spodoptera frugiperda* | B Slippers | B Hurley  K Kruger |
| Kyle Leeuwendaal | **MSc /** Next generation pathogen diagnostics | L de Vos | B Slippers  B Wingfield |

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| Sari Mohali | **PhD** / Taxonomy and biology of *Botryosphaeria* sp. affecting *Eucalyptus* and other commercially important woody plants from Venezuela | MJ Wingfield | B Slippers |
| Draginja Pavlic | **PhD** / Taxonomy and population biology of *Botryosphaeriaceae* infecting native and introduced Myrtales | B Slippers | MJ Wingfield  TA Coutinho |
| Ryan Nadel | **PhD** / Molecular and chemical ecology of *Thaumastocoris peregrinus*, the *Eucalyptus* host and its parasites | B Slippers | M Scholes  MJ Wingfield |
| Brett Hurley | **PhD** / Factors that influence the control of the *Sirex noctilio* woodwasp | B Slippers | MJ Wingfield |
| Alvaro Duran | **PhD** / Pine Needle Disease of *P. radiata* in Chile | MJ Wingfield | B Slippers  M Gryzenhout  BD Wingfield |
| Didier Begoude | **PhD** / *Botryosphaeriaceae* infecting native and non-native *Terminalia* | J Roux | B Slippers  MJ Wingfield |
| Guillermo Perez | **PhD** / Biology and population dynamics of *Mycosphaerella* spp. infecting *Eucalyptus* | MJ Wingfield | B Slippers  BD Wingfield |
| Wubetu Bihon | **PhD** / Biology and population dynamics of *Diplodia pinea* infecting *Pinus* spp. | BD Wingfield | B Slippers  MJ Wingfield  TI Burgess |
| Magriet van der Nest | **PhD** / Compatibility and mating in *Amylostereum* | BD Wingfield | B Slippers  MJ Wingfield |
| Rodrigo Ahumada | **PhD** / Diseases of *P. radiata* in Chile | MJ Wingfield | B Slippers |
| Fahimeh Jami | **PhD** / Taxonomy and ecology of the Botryosphaeriaceae associated with *Acacia karoo* in South Africa | M Gryzenhout | B Slippers  MJ Wingfield |
| Dawit Degefu | **PhD** / Biology and biological control of *Coryphodema tristis* | B Slippers | B Hurley  J Garnas  MJ Wingfield |
| Gudrun Dittrich-Schroder | **PhD** / Molecular ecology of *Leptocybe invasa* (Hymenopetra: Eulophidae) and its biological control agent in South Africa | B Slippers | MJ Wingfield  BP Hurley |
| Marc Bouwer | **PhD** / Chemical communication of key forest pests in South Africa | E Rohwer | B Slippers |
| Elsie Cruywagen | **PhD** / Diversity, ecology and pathology of fungi infecting *Adansonia* (Baobab) | MJ Wingfield | B Slippers  J Roux |
| Milica Zlatkovic  (University of Belgrade) | **PhD** / *Botryosphaeriaceae*, diverse hosts and climate change in the Western Balkans | N. Keca | B Slippers |
| Eston Mutitu | **PhD** / The biological control of *Thaumastocoris peregrinus* using *Cleruchoides noacke* | B Slippers | JR Garnas  BP Hurley  MJ Wingfield |
| Birhan Abate | **PhD** / Diveristy of entomopathogenic nematodes | BP Hurley | B Slippers  MJ Wingfield |
| Mesfin Gossa | **PhD** / Ecology, diversity and management of Deodar Weevil, *Pissodes nemorensis* (Coleoptera: Curculionidae) in South Africa | BP Hurley | B Slippers  JR Garnas |
| James Mehl | **PhD** / Evolutionary ecology of *Botryosphaeria* endophytes and pathogens | MJ Wingfield | B Slippers  J Roux |
| X. Osmond Mlonyeni | **PhD** / Evolutionary genetics of the entomoparasitic nematode, *Deladenus siricidicola* | B Slippers | BD Wingfield  J Greeff  MJ Wingfield |
| Jan Nagel | **PhD** / Causes and consequences of speciation within the *Neofusicoccum parvum/ribis* complex | B Slippers | MJ Wingfield |
| Katrin Fitza | **PhD** / The diversity and specificity of the *Deladenus siricidicola - Sirex noctilio - Amylostereum areolatum* complex | B Slippers | J Garnas |
| Quentin Guignard | **PhD** / Sirex chemical and visual ecology | J Allison | B Slippers |
| Josephine Queffelec | **PhD** / Sirex mating biology | B Slippers | J Allison  J Greeff |
| Yosef Hamba Tola | **PhD** / Gut microbiota of African bees | J Parades | B Slippers |

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| Agil Katumanyane | **PhD /** Entomopathogenic Nematodes in the management of plantation forestry pests | B Hurley | B Slippers |
| Nombuso Ngubane | **PhD /** Endophytic fungi in native and introduced Oleaceae in South Africa | F Roets | B Slippers  L Dreyer |
| Mandy Messal | **PhD** / Endophyte-host interaction | B Slippers | M Kemler  S Naidoo |
| Elisa Pal | **PhD /** The chemical ecology of stink bugs in Macadamia | G Fourie | B Slippers  J Allison  B Hurley |
| Privilege Makunde | **PhD /** Hemiptera affecting forestry in Southern Africa | B Hurley | B Slippers |
| Firehiwot Eshetu | **PhD** / *Sirex-Amylostereum-Deladenus* microevolution in invasive populations | B Slippers | I Barnes |
| GuoQing Li | **PhD /** The *Botryosphaeriaceae* affecting Eucalyptus plantation forestry in China | S Chen | B Slippers  MJ Wingfield |
| Harmen Barten | **PhD /** The genetics of biological control adaptation in *Gonipter*us parasitoids, *Anaphes nitens* | B Hurley | B Slippers  M Schröder |
| Elelwani Ramabulana  (University of Venda) | **PhD** / Diversity and species overlap of Botryosphaeriaceae on some Anacardiaceae in agricultural and natural systems in South Africa | E Kunjeku | M Coetzee  B Slippers |
| Joshua Tshamba | **PhD /** Patterns and drivers of endophyte diversity on sub-Antarctic Marion Island | M Greve | B Slippers  P le Roux |
| Caitlin Gevers | **PhD /** The insect community associated with *Leptocybe* galls | B Hurley | B Slippers |
| Mathew Harris | **PhD /** Fungal diversity and phylogeography in grasses | M Greve | B Slippers  M Kemler |

**Ongoing postgraduate supervisions:**

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| **Name of student** | **Project title** | **Supervisor** | **Co-supervisor(s)** |
| Christiaan Grobler | **MSc /** Transformation systems for *D. sapinea* and *N. parvum* | B Slippers | T Duong |
| Kyle Craninx | **MSc /** Mating systems in *Diplodia sapinea* | B Slippers | T Duong  A Fleißner |
| Alisa Postma | **PhD** / Genomics of *Sirex*-*Amylostereum*-*Deladenus* | B Slippers | F Joubert  MJ Wingfield |
| Mathew Harris | **PhD /** Fungal diversity and phylogeography in grasses | M Greve | B Slippers  M Kemler |
| Angel Maduke | **PhD /** Macadamia flower, twig and nut diseases | G Fourie | M Wingfield  B Slippers |
| Phophi Nethonondo | **PhD /** Biological control of *Spodoptera frugiperda* | B Slippers | B Hurley |
| Luki-Marie Scheepers | **PhD /** Pheromones of selected plantation pests | J Allison | B Slippers  E Rohwer |
| Samkelisiwe Thango | **PhD /** Multiperspective analysis of *Exserohilum tercicum* infection development | B Slippers | D Nsibo  D Berger  C Visagie |

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| Ndamulelo Nengovhela | **PhD /** Response of Soybean varieties to bollworm feeding | A Hammerbacher | B Slippers |
| Vaylen Hlaka | **PhD /** Diversity and distribution of Aphids and their associated viruses in SA | L De Vos | B Slippers  D Read |
| Heike Moller | **PhD /** *Botryosphaeriaceae* on Avocado | N van den Berg | B Slippers |
| Pilar Hemmelmann | **PhD /** *Diplodia sapinea* biology and blue stain in Chile | B Slippers | R Ahumada |
| Anika Keuck | **PhD /** Microbiomics and pest dynamics in an establishing *Eucalyptus* plantation | D Drew | B Slippers  F Roets |

**Completed Postdoctoral and Research Fellow supervisions**

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| Marieka Gryzenhout | Diversity of tree endophytes | B Slippers | MJ Wingfield |
| Emilie Boissin | Global spread of *Sirex noctilio* | B Slippers |  |
| Sze Huei Yek | Genomics of *Sirex*- *Deladenus* interaction | B Slippers |  |
| Martin Kemler | Diversity and phylogeography of tree infecting endophytes | B Slippers | MJ Wingfield |
| Maria Vivas | The influence of maternal effects on tree infecting endophytes | B Slippers | MJ Wingfield |
| Sandra Heinzelmann | Nutrition and specificity of *Sirex noctilio* | B Slippers | A Hammerbacher  B Hurley |
| Kennedy Eguzozie | Chemical ecology of sugarcane insect pests | B Slippers | M Bouwer |
| Fahimeh Jami | Botryosphaeriaceae in Southern Africa | MJ Wingfield | B Slippers  P Crous |
| Gerda Fourie | Macadamia Protection Programme | B Slippers | B Hurley |
| Marc Bouwer | Chemical ecology of plantation forest insect pests | B Slippers | MJ Wingfield  E Rohwer |
| David Nsibo | Disease of maize in South Africa | B Slippers | C Visagie |

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| Godfrey Gatle | Foliar diseases of maize in South Africa | C Visagie | B Slippers  ET Steenkamp |
| Olabimpe Orubuloye | Chemical ecology of plantation forest insect pests | J Allison | B Slippers  B Hurley |
| Jan Nagel | Genomics of the Botryosphaeriaceae | B Slippers | MJ Wingfield |

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| Agil Katumanyane | Entomopathogenic nematodes in the management of plantation forestry pests | B Hurley | B Slippers |
| Katrin Fitza | Evolution of Siricid-Amylostereum symbiosis | B Slippers | J Allison |
| Mesfin Gossa | The distribution of forest plantation pests and their biological control agents in Africa | B Hurley | B Slippers |
| Michelle Schröder | Ecology and biological control of *Gonipterus* spp. | B Hurley | B Slippers |
| Neriman Yilmaz | *Fusarium* species of Southern Africa | P Crous | MJ Wingfield  B Slippers |

**Ongoing Postdoctoral and Research Fellow supervisions**

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| Gudrun Dittrich-Schroder | Molecular ecology of forest pest invasions | B Slippers | B Hurley  MJ Wingfield |
| Privilege Makunde | Management of insect pests in Forestry nurseries | B Hurley | B Slippers |

**3. RESEARCH FUNDING**

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| **3.1 Obtaining research funds** | | |
| **Origin of research funds** *(e.g. contract research, THRIP, international funding organisations, other(s)* | **Title of research project or programme** | **Duration** |
| Sida (Sweden)-NRF | *Sirex*-*Amylostereum* interaction | 2004-2006, 2010-2012 |
| Forestry SA (as part of TPCP funding) | Sirex, Insect pest control and biocontrol and general forest health research | 2005-present |
| Tree Protection Co-operative Programme | Tree health research linked to the commercial forestry sector | 2005-present |
| THRIP (as part of TPCP funding) | Tree health research | 2005-2015 |
| Centre of Excellence in Tree Health Biotechnology; DST-NRF | Tree health research on native trees | 2005-2023 |
| Department of Forestry, Fisheries and the Environment | Tree health research | 2005-present |
| NRF competitive grant | Symbiosis and biological control | 2010-2012, 2014-2016 |
| USDA Forest Service | Genetics of Sirex biocontrol | 2012-2017 |
| Natural Resources Canada | Biology of Sirex | 2015-2022 |
| Australian Sirex Control Program | Invasion history and management of Sirex | 2016-2022 |
| Future Africa; University of Pretoria, Bosch, Carnegie, Microsoft, others | Transdisciplinary Research & Leadership for Innovation | 2015-present |
| Innovation Africa @UP, University of Pretoria | Development of an experimental farm and industry-government University innovation platform | 2020-present |
| SA National Seed Organization, GrainSA, Maize Trust, Bayer, Syngenta | Various grants to develop a grain diagnostic clinic, sentinel plot, Lepitoptera resistance research and monitoring | 2020-present |
| Department of Science and Innovation | Plant micro-phenotyping and next generation multigene diagnostics | 2024-2025 |
| Technology Innovation Agency | Development of Information Hub App and data management platform | 2020-present |
| Various | Smaller grants linked to academic meeting, sabbatical, smaller research projects, etc | Continuous |

**4. RESEARCH OUTPUTS**

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| **4.1 Publications in peer-reviewed or refereed journals**  Slippers B, Wingfield MJ, Wingfield BD, Coutinho TA. 2000. Relationships among *Amylostereum* species associated with Siricid woodwasps inferred from mitochondrial ribosomal DNA sequences. *Mycologia* 92, 955-963.  Meyer L, Slippers B, Korsten L, Kotzé JM, Wingfield MJ. 2001. Two distinct *Guignardia* species associated with citrus in South Africa: research letter. *South African Journal of Science* 97, 191-194.  Slippers B, Wingfield MJ, Coutinho TA, Wingfield BD. 2001. Population structure and possible origin of *Amylostereum areolatum* in South Africa. *Plant Pathology* 50, 206-210.  Wingfield MJ, Slippers B, Roux J, Wingfield BD. 2001. Worldwide movement of exotic forest fungi, especially in the Tropics and the Southern Hemisphere. *Bioscience* 51, 134-140.  Slippers B, Wingfield BD, Coutinho TA, Wingfield MJ. 2002. DNA sequence and RFLP data reflect relationships between *Amylostereum* species and their associated wood wasp vectors. *Molecular Ecology* 11, 1845-1854.  De Wet J, Burgess T, Slippers B, Preisig O, Wingfield BD, Wingfield MJ. 2003. Multiple gene genealogies and microsatellite markers reflect relationships between morphotypes of *Sphaeropsis sapinea* and distinguish a new species of *Diplodia*. *Mycological Research* 107, 557-566.  Denman S, Crous PW, Groenewald JZE, Slippers B, Wingfield BD, Wingfield MJ. 2003. Circumscription of *Botryosphaeria* species associated with Proteaceae based on morphology and DNA sequence data. *Mycologia* 95, 294-307.  Slippers B, Coutinho TA, Wingfield BD, Wingfield MJ. 2003. A review of the genus Amylostereum and its association with woodwasps. *South African Journal of Science* 99, 70-74.  Gezahgne A, Roux J, Slippers B, Wingfield MJ. 2004. Identification of the causal agent of *Botryosphaeria* stem canker in Ethiopian Eucalyptus plantations. *South African Journal of Botany* 70, 241-248.  Pavlic D, Slippers B, Coutinho TA, Gryzenhout M, Wingfield MJ. 2004. *Lasiodiplodia gonubiensis sp. nov*., a new *Botryosphaeria* anamorph from native *Syzygium cordatum* in South Africa. *Studies in Mycology* 50, 313-322.  Slippers B, Burgess T, Wingfield BD, Crous PW, Coutinho TA, Wingfield MJ. 2004a. Development of simple sequence repeat markers for *Botryosphaeria spp.* with *Fusicoccum* anamorphs. *Molecular Ecology Notes* 4, 675-677.  Slippers B, Crous PW, Denman S, Coutinho TA, Wingfield BD, Wingfield MJ. 2004b. Combined multiple gene genealogies and phenotypic characters differentiate several species previously identified as *Botryosphaeria dothidea*. *Mycologia* 96, 83-101.  Slippers B, Fourie G, Crous PW, Coutinho TA, Wingfield BD, Carnegie AJ, Wingfield MJ. 2004c. 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| **4.2 Books and/or chapters in books**  Wingfield MJ, Wingfield BD, Coutinho TA, De Wet J., Slippers B. 1999. Fungal diseases of exotic plantation pines: A Southern Hemisphere perspective. *In* Sustainability of Pine Forests in relation to Pine Wilt and Decline (eds. Futai K, Togashi K and Ikeda T). Shokado, Japan. Pp. 329-332.  Crous PW, Wingfield MJ, Slippers B, Rong I, Samson RA (eds). 2006. 100 Years of Fungal Biodiversity in Southern Africa. *Studies in Mycology* 55. Centraalbureau voor Schimmelcultures, Utrecht, The Netherlands.  Wingfield MJ, Hurley BP, Gebeyehu S, Slippers B, Ahumada R, Wingfield BD. 2006. Southern Hemisphere exotic pine plantations threatened by insect pests and their associated fungal pathogens. *In* Invasive Forest Insects, Introduced Forest Trees, and Altered Ecosystems (ed. Paine TD). Pp. 53-61.  Wingfield MJ, Slippers B, Roux J & Wingfield BD. 2010. Fifty Years of Tree Pest and Pathogen Invasions, Increasingly Threatening World Forests *In* Fifty Years of Invasion Ecology: The Legacy of Charles Elton (ed Richardson DM), Wiley-Blackwell, Oxford, UK, Pp. 89-100.  Slippers B, de Groot P, Wingfield MJ. (eds) 2012. The Sirex woodwasp and its fungal symbiont: Research and management of a worldwide invasive pest. Springer.  Hurley BP, Croft P, Verleur M, Wingfield MJ, Slippers B. 2012. The control of the Sirex woodwasp in diverse environments: The South African experience. *In* The Sirex woodwasp and its fungal symbiont: Research and management of a worldwide invasive pest (ed. Slippers B, de Groot P, Wingfield MJ), Springer Pp. 247-264.  Slippers B, Hurley BP, Mlonyeni XO, de Groot P, Wingfield MJ. 2012. Factors affecting the efficacy of *Deladenus siricidicola* in biological control systems. *In* The Sirex woodwasp and its fungal symbiont: Research and management of a worldwide invasive pest (ed. Slippers B, de Groot P, Wingfield MJ), Springer. Pp. 119-133.  Slippers B, Wingfield MJ. 2012. Sirex Research and Management: Future Prospects. *In* The Sirex woodwasp and its fungal symbiont: Research and management of a worldwide invasive pest (ed. Slippers B, de Groot P, Wingfield MJ), Springer. Pp. 287-295.  Van der Nest M, Vasaitis R, Stenlid J, Wingfield BD, Wingfield MJ, Slippers B. 2012. The genetics of *Amylostereum* species associated with Siricids. *In* The Sirex woodwasp and its fungal symbiont: Research and management of a worldwide invasive pest (ed. Slippers B, de Groot P, Wingfield MJ), Springer. Pp. 81-94.  Mehl JWM, Slippers B, Roux J, Wingfield MJ. 2013. Cankers and Other Diseases Caused by the Botryosphaeriaceae*. In* Infectious Forest Diseases(eds Gonthier P and Nicolotti G). CAB International. Pp. 298-317.  Nagel JH, Gryzenhout M, Slippers B, Wingfield MJ. 2013. The Occurrence and Impact of *Phytophthora* on the African Continent. *In* *Phytophthora*: A Global Perspective*.* (ed. Lamour K) CAB International 2013. Pp. 204-214.  Garnas J, Hurley B, Slippers B, Wingfield MJ, Roux J. 2016. Insects and diseases of Mediterranean forests: A South African perspective. *In* Insects and Diseases of Mediterranean Forest Systems (eds. Paine TD, Lieutier F). Springer. Pp. 397-430.  Allison J, Paine T, Slippers B and Wingfield MJ (eds). 2023. Vol 1. Forest Entomology. Springer.  Hurley BP, Lawson S, Slippers B (eds). 2025. Biological control of Insect Pests in Plantation Forests. Springer.  Hurley BP, Slippers B, Lawson S. 2025. Biological control strategies used in plantation forests: trends and opportunities. *In* Biological control of Insect Pests in Plantation Forests. Springer. Pp. 3-17.  Slippers B, Fitza KNE, Garnas JR. 2025. Genetic diversity should be considered in biological control programmes of invasive insect pests in plantation forestry. *In* Biological control of Insect Pests in Plantation Forests. Springer. Pp. 71-93.  Wondafrash M, Slippers B, Hurley BP. 2025. Accidental introductions of natural enemies in plantation forests. *In* Biological control of Insect Pests in Plantation Forests. Springer. Pp. 161-188.  Goundar P, Slippers B, Hurley BP, Lawson SA. 2025. Classical biological control of bark and wood borers in *Pinus* plantations. *In* Biological control of Insect Pests in Plantation Forests. Springer. Pp. 321-337.  Slippers B, Wingfield MJ, Allison J, Paine T (eds). 2026. Vol 2. Forest Pathology. Springer (agreement signed) |

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| **4.3 Published full-length conference papers/keynote addresses**  Wingfield MJ, Slippers B, Zhou ZX, de Beer W, Govender P, Wingfield BD. 2000. Global spread of insect-associated fungi on exotic plantation pines. In IUFRO World Series Vol. 11. Protection of World Forests from Insect Pests: Advances in Research. Papers presented at the *XXI IUFRO World Congress, Kuala Lumpur, Malaysia, 7-12 August 2000.* (eds. R Alfaro et al). Pp. 107-114.  Slippers B, Vasiliauskas R, Hurley B, Stenlid J, Wingfield MJ. 2006. A collaborative project to better understand Siricid-Fungal symbioses. In Forest pathology research in the Nordic and Baltic countries 2005. *Proceedings from the SNS meeting in Forest Pathology at Skogbrukets Kursinstitutt, Biri, Norway, 28-31. August 2005*. pp.59-62.  Wingfield MJ, Slippers B, Wingfield BD. 2010. Novel associations between pathogens, insects and tree species threaten world forests. *New Zealand Journal of Forestry Science* 40 Suppl. S95-S103. |

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| **4.4 Non-refereed publications or popular articles**  Regular contributions to Wood and Timber Times SA, Afrigriland, Mail and Guardian, SciDev.net, The Conversation, TPCP newsletter and Faculty of Natural and Agricultural Sciences Research report on issues of tree health, Sirex and other forest pests, and ResearchMatters. |

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| **4.5 Technical reports**  Hurley BP, Slippers B, Croft PK, Hatting HJ, Dyer C, Wingfield MJ. 2008. The inoculation success of *Deladenus siricidicola*, biological control agent for *Sirex noctilio*, in KwaZulu-Natal. ICFR bulletin 03/2008. pp 1-25.  Annual Sirex Research report to the National Sirex Control Committee (2006-2021).  Overseeing annual Tree Protection Co-operative Programme and contributing to annual Centre for Excellence in Tree Health Biotechnology research reports.  Implementation of national forest health management program for South Africa. Regular reporting to Department of Forestry, Fisheries and the Environment, SA Government.  Blueprint for the establishment of National Young Academies (including principles, statutes, process, milestones, goals, etc.). Leader of team of international young scientists, produced for the Global Young Academy. |

**5. OTHER SCHOLARLY RESEARCH-BASED CONTRIBUTIONS**

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| **5.1 Participation in conferences, workshops and short courses** |

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| *5.1.1 National*  Slippers B, Wingfield MJ, Coutinho TA. 1996. Preliminary studies on the *Amylostereum* symbiont of *Sirex* *noctilio* in South Africa. In *Proceedings of the 34th Congress of the Southern African Society for Plant Pathology, Stellenbosch, 14-17 January 1996.* *South African Journal of Science*, 92.  Slippers B, Wingfield MJ, Coutinho TA, Wingfield BD, Tribe GD. 1997. Population diversity of the *Amylostereum* symbiont of *Sirex noctilio* in South Africa. In *Proceedings of the 35th Congress of the Southern African Society for Plant Pathology, Badplaas, 19-22 January 1997.* *South African Journal of Science*, 93.  Slippers B, Wingfield MJ, Coutinho TA, Wingfield BD. 1998. Population diversity of *Amylostereum areolatum* in South Africa and Brazil. In *Proceedings of the 36th Congress of the Southern African Society for Plant Pathology, Shampagne Resort, 19-22 January 1998*. *South African Journal of Science*, 94.  Slippers B, Wingfield MJ, Coutinho TA, Wingfield BD. 1999. *Sirex noctilio* in the Southern Hemisphere – A fungal perspective. In *Proceedings of the Entomological Society of South Africa 1999 Congress, Potchefstroom, 12-15 July 1999*.  Slippers B, Wingfield MJ, Wingfield BD, Coutinho TA. 1999. Taxonomy and phylogeny of the genus *Amylostereum*. In *Proceedings of the 37th Congress of the Southern African Society for Plant Pathology, Pietermaritzburg, 17-20 January 1999*. South African Journal of Science, 95.  Hunter GC, Slippers B, Wingfield MJ, Countinho TA, Yamada T. 2000. A study of symbiotic white rot fungi of *Sirex* and *Urocerus* from the Southern Hemisphere and Japan. In *Proceedings of the 38th Congress of the Southern African Society for Plant Pathology, BioY2K Combined Millenium Meeting, Grahamstown, 23-28 January 2000*. *South African Journal of Science*, 96.  Slippers B, Smith H, Crous PW, Coutinho TA, Wingfield BD, Wingfield MJ. 2000. 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Slippers B, Crous PW, Coutinho TA, Wingfield BD, Wingfield MJ. 2001. Taxonomic studies of *Botryosphaeria* species. In *Proceedings of the South African Mango Growers Association – Research symposium, Tzaneen, South Africa, 21 June 2001.*  Slippers B, Smit WA, Coutinho TA, Wingfield BD, Wingfield MJ. 2001. *Botryosphaeria* on pome and stone fruit trees: A phylogenetic comparison of isolates from South Africa and other regions of the world. In *Proceedings of the Technical Symposium of the Cape Pomological Association, Stellenbosch, South Africa, 5 June 2001.*  Slippers B, Vasiliauskas R, Stenlid J, Wingfield MJ. 2005. The influence of the *Amylostereum* and Siricid woodwasp symbiosis on the populations of *A. areolatum* and *A. chailletii.* In *Proceedings of the 37th Congress of the South African Society of Plant Pathology, Hartenbos, 24-26 January, 2005*.  Slippers B, Vasiliauskas R, Stenlid J, Wingfield MJ. 2006. The symbiosis between woodwasps and fungi, and its control in introduced environments. South African Society of Microbiology, Pretoria, South Africa, 10-12 April 2006. (invited paper)  Van der NestMA, Wilkens M, Slippers B, Stenlid J, Wingfield BD, Wingfield MJ. 2006. Sexual compatibility in *Amylostereum areolatum*. 44th Congress of the Southern African Society for Plant Pathology, Magalies Park Country Club, Pretoria, 22-25 January 2006.  Hinze B, Slippers B, Pavlic D, Wingfield MJ. 2008. Botryosphaeriaceae associated with Marula and Mango in South Africa. 20th Biennial South African Genetics Society (SAGS) Congress, Pretoria, South Africa, 27-29 March 2008.  Maleme H, Pavlic D, Slippers B, Wingfield BD, Wingfield MJ. 2008. Identification of five species of the Botryosphaeriaceae affecting *Eucalyptus* in a small plantation in Pretoria. 20th Biennial South African Genetics Society (SAGS) Congress, Pretoria, South Africa, 27-29 March 2008.  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The *Sirex-Amylostereum-Deladenus* complex: Understanding diversity in pest biological control programs. 17th Congress of the Entomological Society of Southern Africa, Bloemfontein, South Africa, 3-6 July 2011.  Mutitu KE, Garnas J, Hurley BP, Wingfield MJ, Slippers B. 2011. Invasion and subsequent decline of the *Thaumastocoris peregrinus* (Hemiptera: Thaumastocoridae) population in Kenya. 17th Congress of the Entomological Society of Southern Africa, Bloemfontein, South Africa, 3-6 July 2011.  Zhang Z, Mlonyeni XO, Postma A, Wingfield BD, Wingfield MJ, Slippers B. 2011. Opportunities arising from sequencing the genomw of the *Sirex* parasitic nematode, *Deladenus siricidicola*. 17th Congress of the Entomological Society of Southern Africa, Bloemfontein, South Africa, 3-6 July 2011.  Mlonyeni XO, Wingfield BD, Wingfield MJ, Slippers B. 2011. Understanding the genetic diversity of the pest *Sirex noctilio* and parasitic nematode *Deladenus siricidicola*. Introductory Microsatellite Workshop, University of Pretoria, Pretoria, South Africa, 4 May and 17 August 2011.  Bouwer MC, Slippers B, Wingfield MJ, Rohwer E. 2011. Identifying semiochemicals for insect pests in South African forestry. ASSAf DST NRF Young Scientists Conference, Pretoria, South Africa, 26-28 September 2011  Cruywagen EM, Roux J, Slippers B, Wingfield MJ. 2011. *Lasiodiplodia* species from baobab trees in Africa. 47th congress of the Southern African Society for Plant Pathology, Berg-en-Dal, Kruger National Park, South Africa, 23-26 January 2011. (Oral presentation)  Jami F, Slippers B, Wingfield MJ, Gryzenhout M. 2011. Botryosphaeriaceae associated with *Acacia karroo* in South Africa. 47th congress of the Southern African Society for Plant Pathology, Berg-en-Dal, Kruger National Park, South Africa, 23-26 January 2011  Garnas JR, Slippers B, Hurley B, Wingfield M. 2012. Predicting and understanding forest insect dynamics in a changing climate: an African perspective Climate Change and Plantation Health, Council for Scientific and Industrial Research (CSIR), Durban, 2012*.*  Coetzee MPA, Coutinho T, Slippers B, Steenkamp ET, Venter SN, Wingfield BD and Wingfield MJ. 2013. Genomics rapidly influencing research on forest tree health in South Africa and globally. 48th Congress of the Southern African Society for Plant Pathology, Klein Kariba, Bela-Bela, South Africa, 20-24 January 2013.  Cruywagen EM, Crous PW, Roux J, Slippers B, Wingfield MJ.2013.Sooty mold on baobab (*Adansonia digitata*) trees. 48th Congress of the Southern African Society for Plant Pathology, Klein Kariba, Bela-Bela, South Africa, 20-24 January 2013. (Poster)  Jami F, Slippers B, Wingfield MJ, Gryzenhout M. 2013. 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A hypothetical model of the *Eucalyptus grandis* defence response to the galling pest, *Leptocybe invasa* based on transcriptional and chemical profiling. 2nd Joint Congress of the South African Society for Bioinformatics and the South African Genetics Society, Kwalata Game Ranch, Pretoria, South Africa, 23-26 September 2014.  Postma-Smidt A, Joubert F, Wingfield MJ, Slippers B. 2014. Draft genome of *Sirex noctilio* (Siricidae; Hymenoptera): A tool to study the genetics of olfaction in an invasive woodwasp. 2nd Joint Congress of the South African Society for Bioinformatics and the South African Genetics Society, Kwalata Game Ranch, Pretoria, South Africa, 23-26 September 2014.  Swanepoel R, Postma-Smidt A, Slippers B, Joubert F, Yek SH. 2014. 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XIX Congress of the Entomological Society of Southern Africa, Rhodes University, Grahamstown, South Africa, 12-15 July 2015.  Dittrich-Schroder G, Hurley BP, Wingfield MJ, & Slippers B. 2015. The global distribution of *Leptocybe invasa* reveals alarming trends for invasive alien forest pests. XIX Congress of the Entomological Society of Southern Africa, Grahamstown, South Africa, 12-15 July 2015.  Wondafrash M, Garnas JR, Slippers B and Hurley BP. 2015. The Deodar Weevil, *Pissodes nemorensis* Germar, in South Africa: Identity and Diversity. 19th Congress of the Entomological Society of Southern Africa and 37th Congress of the Zoological Society of Southern Africa, Rhodes University, Grahamstown, South Africa, 12-17 July 2015.  Slippers B, Kemler M, Jami F, Cruywagen E, Roux J, Crous PW, Wingfield MJ. 2015. A trojan horse: Botryosphaeriaceae plant pathogens are inadvertently moved globally in a latent state in healthy plant material. CIB workshop on “Evolutionary dynamics of tree invasions: drivers, dimensions and implications for management”, Stellenbosch, 9-10 November 2015.  Bouwer MC, Slippers B, Wingfield MJ, Rohwer E. 2016. The *Eucalyptus* Cossid moth, *Coryphodema tristis*, pheromone. Max Planck partner group inauguration and workshop on "Chemical Interactions among Plants, Insects and Fungi, Pretoria, South Africa, 10-11th October 2016.  Clasen E, Postma Smidt A, Pierneef R, Reva O, Slippers B. 2016. EuGI: A novel resource for eukaryotic genomic islands. South African Society of Bioinformatics-South African Genetics Society Joint Congress, Durban, 20-23 September 2016. (poster)  Postma-Schmidt A, Clasen E, Rodrigues Jardim B, Mlonyeni OX, Botha C, Makua M, Van der Nest M, Yek S-H, Wingfield MJ, Joubert F, Slippers B. 2016. The genomes of *Sirex noctilio, Amylostereum areolatum* and *Deladenus siricidicola*: insights into symbiosis and invasion process. South African Society of Bioinformatics-South African Genetics Society Joint Congress, Durban, 20-23 September 2016. (poster)  Rodrigues-Jardim B, Postma-Smidt A, Fick W, Slippers B. 2016. The molecular characterisation of sex determination genes in *Sirex noctilio*, an invasive pest insect of pine. Joint Congress of the South African Society for Bioinformatics (SASBi) and the South African Genetics Society (SAGS). Durban, South Africa and The Genomics Research Institute (GRI) Symposium, Pretoria, South Africa, 20-23 September 2016. (poster)  Bouwer MC, Slippers B, Wingfield MJ, Rohwer ER. 2017. Optimization of pheromone traps for *Coryphodema tristis* (Lepidoptera: Cossidae). The Combined Congress of the Entomological Society of Southern Africa (ESSA) and the Zoological Society of Southern Africa (ZSSA), CSIR International Convention Centre, Pretoria, South Africa, 3-7 July 2017.  Bush S, Slippers B, Hurley, B. 2017. Host specificity of the parasitoid *Psyllaephagus bliteus* a biological control agent of *Glycaspis brimblecombei.* The Combined Congress of the Entomological Society of Southern Africa (ESSA) and the Zoological Society of Southern Africa (ZSSA), CSIR International Convention Centre, Pretoria, South Africa, 3-7 July 2017.  De Beer ZW, De Bruin H, Nel WJ, Slippers B. 2017. A survey of entomopathogenic *Beauveria* spp. in South African plantations. Combined Congress of the Entomological and Zoological Societies of Southern Africa, CSIR ICC, Pretoria, South Africa, 3-7 July.  Dittrich-Schröder G, Hurley BP, Wingfield MJ, Postma Smidt A, andSlippers B. 2017.The *Leptocybe invasa* genome: a window to understanding the biology of a serious invasive *Eucalyptus* pest. The Combined Congress of the Entomological Society of Southern Africa (ESSA) and the Zoological Society of Southern Africa (ZSSA), CSIR International Convention Centre, Pretoria, South Africa, 3-7 July 2017.  Fitza KNE, Garnas JR, Ahumada R, Ayres MP, Krivak-Tetley FE, Dodds K, Lombardero MJ, Brockerhoff EG, Wingfield MJ, Slippers B. 2017. Genetic diversity of *Deladenus siricidicola*, the biological control agent of the woodwasp *Sirex noctilio.* The Combined Congress of the Entomological Society of Southern Africa (ESSA) and the Zoological Society of Southern Africa (ZSSA), CSIR International Convention Centre, Pretoria, South Africa, 3-7 July 2017.  Gevers C, Dittrich-Schröder G, Germishuizen I, Morris A, Slippers B and Hurley, PB*.* The complex *Leptocybe invasa* gall community on *Eucalyptus*. 2017 The Combined Congress of the Entomological Society of Southern Africa (ESSA) and the Zoological Society of Southern Africa (ZSSA), CSIR International Convention Centre, Pretoria, South Africa, 3-7 July 2017.  Guignard Q, Allison J and Slippers B. Identification and evolutionary relationships of genes linked to color vision in Sirex noctilio. 2017 The Combined Congress of the Entomological Society of Southern Africa (ESSA) and the Zoological Society of Southern Africa (ZSSA), CSIR International Convention Centre, Pretoria, South Africa, 3-7 July 2017.  Hurley BP, Slippers B, Sathyapala S, Wingfield MJ. 2017. Management of insect pests in planted forests: Challenges for developing economies. The Combined Congress of the Entomological Society of Southern Africa (ESSA) and the Zoological Society of Southern Africa (ZSSA), CSIR International Convention Centre, Pretoria, South Africa, 3-7 July 2017.  Mlonyeni XO, Wingfield BD, Greef JM, Wingfield MJ, Slippers B. 2017. Diversity in *Sirex-Amylostereum-Deladenus* complex: Understanding pest invasion and guiding management through biological control. The Combined Congress of the Entomological Society of Southern Africa (ESSA) and the Zoological Society of Southern Africa (ZSSA), CSIR International Convention Centre, Pretoria, South Africa, 3-7 July 2017.  Noeth KP, Verleur PM, Slippers B, HurleyPB. Investigating the development of the wood-boring moth *Coryphodema tristis* on *Eucalyptus nitens* in South Africa. The Combined Congress of the Entomological Society of Southern Africa (ESSA) and the Zoological Society of Southern Africa (ZSSA), CSIR International Convention Centre, Pretoria, South Africa, 3-7 July 2017.  Queffelec J, Greeff J, Allison J and Slippers B. 2017. Influence of reproductive biology on the invasive capacity of hymenoptera species: *Sirex noctilio* as a case study. The Combined Congress of the Entomological Society of Southern Africa (ESSA) and the Zoological Society of Southern Africa (ZSSA), CSIR International Convention Centre, Pretoria, South Africa, 3-7 July 2017.  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International trade in live plants: rationale for mitigating a high-risk pathway for the introduction of forest pests and pathogens. 24th IUFRO World Congress, Salt Lake City, Utah, USA, 6-11 October 2014  Garnas J, Slippers B. 2014. Using endosymbiont genomes to understand global spread of the red gum lerp psyllid. 8th Annual Arthropod Genomics Symposium, Urbana, Illinois, USA, June 2014  Kemler M, Garnas J, Wingfield MJ, Slippers B. 2014. Fungal communities in the phyllosphere of trees in South Africa. 10th International Mycological Congress, Bangkok, Thailand, 3-8 August 2014.  Pavlic-Zupanc D, Maleme HM, Wingfield BD, Wingfield MJ, Slippers B. 2014. Five species of Botryosphaeriaceae identified from *Eucalyptus* grown in the urban habitats of Pretoria, South Africa. 10th International Mycological Congress, Bangkok, Thailand, 3-8 August 2014.  Pavlic-Zupanc D, Wingfield MJ, Boissin E, Slippers B. 2014. 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Endophyte diversity at the tip of Africa. International Congress of the German Society for Mycology (DGfM), Mettlach-Orscholz, Germany, 29 September - 1 October 2014.  Hurley BP, Slippers B, Garnas J, Wingfield MJ. 2015. Biological control of eucalypt pests: Successes, challenges and opportunities. Population dynamics and integrated control of forest defoliating and other insects, Sopot, Poland, 28 September - 2 October 2015.  Hurley BP, Garnas J, Wingfield MJ, Branco M, Richardson DM, Slippers B. 2015. Global patterns of spread of invasive insects on eucalypts. IUFRO 2.08.03 Improvement and culture of eucalypts, Zhanjiang, China, 21-24 October 2015.  Baffoe KO, Garnas J, Slippers B, Wingfield MJ, Hurley BP. 2015. Field establishment of *Selitrichodes* *neseri* (Eulophidae), a biological control agent of *Leptocybe invasa* (Eulophidae). IUFRO 2.08.03 Improvement and culture of eucalypts, Zhanjiang, China, 21-24 October 2015.  Bush SJ, Slippers B, Hurley BP. 2015. 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The value of population genetics in managing invasive pests through biological control. 2nd DuPont Plant Breeding Symposium Africa, University of Pretoria, Pretoria, 29 September 2015 (Invited talk)  Roux J, Hurley BP, Slippers B, Garnas J, Wingfield MJ. 2015 One step forward, two back…managing plantation forestry diseases and pests for a sustainable Eucalypt industry. Proceedings of the IUFRO WP2.08.03 Conference: Culture and Genetics of Eucalypts, Zhanjiang, China.  Roux J, Slippers B, Hurley BP, Wingfield BD, Wingfield MJ. 2015 Forests at risk: pest and pathogen threats. XIV World Forestry Congress, Durban, South Africa, 7-11 September 2015.  Fitza KNE, Tabata M, Kanzaki N, Kimura K, Garnas J, Wingfield MJ, Slippers B. 2016. Host specificity in woodwasp - fungal mutualism: Japanese Siricids and their *Amylostereum* symbionts as a case study. IUFRO Regional Congress for Asia and Oceania, Beijing, China, 24- 27 October 2016.  Mlonyeni XO, Fitza KM, Garnas J, Greeff J, Wingfield MJ, Wingfield BD, Ayres M, Lombardero M, Slippers B. 2016. The global diversity of *Deladenus siricidicola*. International Congress of Entomology (ICE), Orange County Convention Centre, Orlando, Florida, USA. 25-30 September (Invited talk)  Bush SJ, Slippers B, Hurley BP. 2016. Patterns of host preference of the invasive *Glycaspis brimblecombei Moore* (Hemiptera: Psyllidae). International Congress of Entomology (ICE), Orange County Convention Centre, Orlando, Florida, USA. 25-30 September.  Dittrich-Schröder G, Hurley BP, Wingfield MJ, Slippers B, Lawson SA, Nahrung HF. 2016. Molecular markers confirm the origin and reveal complex global invasion history of the eucalyptus gall wasp, *Leptocybe invasa.* International Congress of Entomology (ICE), Orange County Convention Centre, Orlando, Florida, USA. 25-30 September.  Dittrich-Schroder G, Hurley B, Wingfield MJ, Lawson S, Nahrung H, Slippers B. 2016. 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Postma Smidt A, van der Nest M, Mlonyeni O, Fitza K, Clasen E, Barnard G, Yek SH, Coetzee M, Wingfield MJ, Joubert F, Slippers B. 2016. The genomes of *Sirex noctilio*, *Amylostereum areolatum*, and *Deladenus siricidicola*: Insights into symbiosis and invasion processes. International Congress of Entomology (ICE), Orange County Convention Centre, Orlando, Florida, USA. 25-30 September.  Slippers B, Hurley BP, Wingfield MJ. 2016. The Sirex woodwasp: Complex interactions and evolving management paradigms of a globally invasive forest pest. International Congress of Entomology (ICE), Orange County Convention Centre, Orlando, Florida, USA. 25-30 September. (Invited talk)  Slippers, B. 2016. The power of industry-academia collaborations: Critical mass, leverage and impact. Southern African Macadamia Growers’ Association (SAMAC) Research Symposium, Nelspruit. 24 August.  Slippers B, Hurley BP, Wingfield MJ. 2016. The *Sirex* woodwasp: Complex interactions and evolving management paradigms of a globally invasive forest pest. International Congress of Entomology (ICE), Orange County Convention Centre, Orlando, Florida, USA. 25-30 September.  Wingfield MJ, de Beer ZW, Slippers B, Steenkamp ET. 2016. Fungal tree diseases: can we rise above the gathering storm? Annual Symposium of the Centraalbureau voor Schimmelcultures (CBS), Amsterdam, the Netherlands. 13-15 April.  ClasenFJ, Postma Smidt A, Pierneef R, Reva O, Slippers B. 2016 Contribution of Lateral Gene Transfers (LGTs) from Bacteria to the Genome evolution of the Nematode *Deladenus siricidicola*. Annual Conference 2016 of the Association for General and Applied Microbiology (VAAM). Jena, Germany (poster)  Zlatkovic M, Keca N, Wingfield MJ, Jami F, Slippers B. 2016. Botryosphaeriaceae on *Sequoia sempervirens* in Serbia. Belgrade BioInformatics Conference-BelBi, Serbia 20-24 June 2016.  Zlatkovic M, Keca N, Wingfield MJ, Jami F, Slippers B. 2016. Botryosphaeriaceae on *Aesculus hippocastanum* in Serbia. Belgrade BioInformatics Conference-BelBi, Serbia 20-24 June 2016.  Slippers B. 2017. African Science Leaders. 4th International Conference on Responsible Leadership, GIBS, Johannesburg, South Africa, 15-16 March 2017.  Naidoo S, Mhoswa L, Oates CN, Mphahlele M, Külheim C, Slippers B and Myburg AA. 2017. A multiomics approach to understanding host defence response against the insect pest *Leptocybe invasa* in *Eucalyptus grandis.* IUFRO Tree Biotechnology Congress, Chile, 4-9 June.  Garnas J, Wingfield MJ, Slippers B. 2017. Understanding the ecology and evolution of forest insects in an interconnected world. SIP 2017: 16th Symposium on Insect-Plant Interactions, 2-6 Jul 2017 Tours, France.  Slippers B, Kemler M, McTaggart M, Vivas M, Naidoo S, Wingfield MJ. 2017. ‘Omics’ approaches to the pathobiome offer pre-emptive solutions to plant biosecurity. IUMS international congress, Singapore, 17-21 July 2017. (Invited keynote).  Bouwer MC, Slippers B, Aguirre Gil OJ, Allison JD. 2017. Plume structure of intercept traps for trapping *Monochamus* spp. (Coleoptera: Cerambycidae). International Society of Chemical Ecology,Kyoto, Japan, 23-27 August.  Hurley BP, Gevers C, Dittrich-Schröder G, Slippers B. 2017. Investigating the complex gall community of *Leptocybe invasa*. 5th International Symposium on Biological Control of Arthropods, Langkawi, Malaysia, 11-15 September.  Dittrich-Schröder G, Hurley BP, Wingfield MJ, and Slippers B. 2017. Gall-forming wasps threaten non-native plantation-grown *Eucalyptus.* 125th IUFRO Anniversary Congress, Freiburg, Germany, 18-22 September 2017.  Vivas M, Kemler M, Rolo V, Wingfield MJ, Slippers B. 2017. Environmental maternal effects on the morphology, physiology and interactions of *Eucalyptus* *grandis*. 40th New Phytologist Symposium Plant epigenetics: from mechanisms to ecological relevance, University of Vienna, Vienna, Austria, 12–15 September.  Vivas M, Kemler M, Wingfield MJ and Slippers B. 2017. Environmental maternal effects on the phenotype and interactions of *Eucalyptus* seedlings. 125th IUFRO Anniversary Congress, Freiburg, Germany, 18-22 September 2017.  Hurley BP, Slippers B, Wingfield MJ. 2017. Biological control of insects in plantation forests: Optimising an old approach for diverse and changing environments. 125th IUFRO Anniversary Congress, Freiburg, Germany, 18-22 September 2017.  Slippers B. 2017. The role of molecular ecology in the management of invasive pests and pathogens in plantation forestry. 125th IUFRO Anniversary Congress, Freiburg, Germany, 18-22 September 2017.  Naidoo S, Mhoswa L, Oates CN, Mphahlele M, Külheim C, Slippers B and Myburg AA. 2017. 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Integrating next generation population genetics and gene editing tools to control invasive insect pests - a case study with the invasive Eucalyptus pest *Leptocybe* *invasa*. International workshop on "Assessing the Security Implications of Genome Editing Technology", Hannover, Germany, 11-13 October.  Naidoo S, Oates CN, Mhoswa L, ‘O Neil M, Acosta JJ, Christie N, Mphahlele MM, Payn KG, Myburg AA, Slippers B, Külheim C. 2018. Factors underpinning resistance against the galling pest, *Leptocybe invasa* in *Eucalyptus grandis*. International Tree Resistance Workshop, Mount Sterling, Ohio, USA, 5-10 August.  Hurley BP, Greyling I, Wingfield MJ, Slippers B. 2018. Pests and pathogens increasingly threaten plantation forestry in South Africa. IUFRO Working Party 7.02.13, Punta del Este, Uruguay 21-23 March. (invited speaker)  Herron DA, de Beer ZW, Slippers B, Wingfield MJ 2018. More "Ideal Plant Clinics" (IPC) required in the Anthropocene. 11th International Congress of Plant Pathology, Boston, USA, 29 July – 3 August.  Jami F, Marincowitz S, Crous PW, Slippers B, Le Roux JJ, Richardson DM, Wingfield MJ. 2018. Botryosphaeriaceae diversity on *Acacia koa* and *A. heterophylla* in La Réunion and Hawaiian islands. International Congress of Plant Pathology, Boston, USA, 29 July – 3 August.  Jami F, Migliorini D, Burgess TI, Crous PW, Slippers B, Wingfield MJ. 2018. Diversity of Botryosphaeriaceae on Proteaceae in South Africa, Australia and Portugal. International Congress of Plant Pathology (ICPP), Boston, USA, 29 July – 3 August.  Slippers B, Barnes I, Steenkamp ET, Wingfield MJ. 2018. The worldwide web of forest fungi. International Congress of Plant Pathology, Boston, USA, 29 July-3 August. (Invited speaker).  Eshetu FB, Nahrung H, Barnes I, Fitza KNE, Elms S, Slippers B. 2018. Genetic diversity of the biocontrol nematode *Deladenus* *siricidicola* in Australia and New Zealand. International Congress on Invertebrate Pathology and Microbial Control and the 51th Annual Meeting of the Society for Invertebrate Pathology, Qt Gold Coast Hotel, Australia, Gold Coast, 12-16 August.  Fitza KNE, Eshetu F, Garnas JR, Ahumada R, Ayres MP, Krivak-Tetley FE, Lombardero MJ, Barnes I, Nahrung H, Wingfield MJ, Slippers B. 2018. Genetic diversity in global collection of *Deladenus* *siricidicola*. International Congress on Invertebrate Pathology and Microbial Control and the 51th Annual Meeting of the Society for Invertebrate Pathology, Qt Gold Coast Hotel, Australia, Gold Coast, 12-16 August.  Bouwer MC, Slippers B, Wingfield MJ, Rohwer ER. 2018. Mass trapping of the Eucalyptus cossid moth (*Coryphodema tristis*) in South Africa. **I**nternational Society of Chemical Ecology, Budapest, Hungary, 12-17 August 2018.  Dittrich-Schröder G, Gevers C, Hurley BP, Wingfield MJ, Slippers B. 2018. The use of molecular techniques to understand pest introductions and pest complexes. Eucalyptus 2018, Managing *Eucalyptus* plantations under global change, Le Corum, Montpellier, France, 17-21 September.  Dittrich-Schröder G, Clasen E, Hurley BP, Wingfield MJ, Slippers B. 2018. An online mitochondrial DNA sequence database to support pest management research in *Eucalyptus* and *Pinus* plantations. Eucalyptus 2018, Managing *Eucalyptus* plantations under global change, Le Corum, Montpellier, France, 17-21 September.  Mhoswa L, O’Neill MM, Mphahlele MM, Oates CN, Payn KG, Slippers B, Myburg AA, Naidoo SA. 2018. Genome-Wide Association Study in *Eucalyptus grandis* reveals genomic regions and positional candidate genes for the insect pest, *Leptocybe invasa*. IUFRO Working Group 2.08.03 Meeting: “Improvement and Culture of Eucalypts”, Montpellier, France 17-21 September.  Slippers B, Kemler M, Vivas M, Messal M, McTaggart A, Naidoo S, Wingfield MJ. 2018. The plant endophytic microbiome and biosecurity: *Eucalyptus* as an example. IUFRO Working Group 2.08.03 Meeting: “Improvement and Culture of Eucalypts”, Montpellier, France, 17-21 September 2018.  Smith A, Hurley BP, Slippers B, Fourie G. 2018. Characterisation of Lepidoptera species associated with Macadamia nut damage in South Africa. 8th International Macadamia Symposium, Lincang China, 16-18 October.  Slippers B. 2019. Insights from population genetics and genomics for the management of the invasive pest *Sirex noctilio*. IUFRO World Congress, Forest Research and Cooperation for Sustainable Development, Curitiba, Brazil, 29 September – 5 October.  Slippers B, Steenkamp ET, Jami F, Wingfield MJ. 2019. Interconnected global populations of forest pathogens created through anthropogenic spread. IUFRO World Congress, Forest Research and Cooperation for Sustainable Development, Curitiba, Brazil, 29 September – 5 October. (Invited talk)  Slippers B. 2019. Precision biological pest control. Meeting of IUFRO WG 7.03.13, Biological control of forest insect pests and pathogens, Pretoria, South Africa, 6-8 November.  Scheepers L, Slippers B, Rohwer ER, Allison JD, Bello JE and Bouwer MC. 2020. Pheromone field trapping of *Nudaurelia clarki*(Saturniidae) in South African pine plantations”. Entomological Society of America (ESA) Annual meeting, Entomology 2020, online, 11- 25 November.  Nagel JH, Wingfield MJ, Slippers B. 2020. Secreted enzymes and secondary metabolite genes reveal Botryosphaeriaceae adaptation to latent pathogenicity. MSA 2020: Mycology from the Cloud. Virtual Conference hosted by the Mycological Society of America, 22 July.  Nagel JH, Wingfield MJ, Slippers B. 2020. The rise of Botryosphaeriaceae genomics: Exploring the impact of next-generation sequencing. Biodiversity Genomics 2020, Virtual Conference hosted by the Wellcome Sanger Institute, 5-9 October.  Katrin N.E. Fitza, Sharon Reed, Jeremy Allison, Bernard Slippers. 2021. Genetic diversity of *Litylenchus crenatae mccannii* in BLD-affected trees in Ontario, Canada and potential pathways of introduction. Beech Leaf Disease Workshop, United States of America, 16 April.  Pal E, Allison J, Hurley B., Slippers B, Fourie G. 2021. Characterization of the alarm pheromone of *Bathycoelia distincta* (Pentatomidae), a major pest of macadamia. 36th Annual Meeting of the International Society of Chemical Ecology (ISCE), Stellenbosch, South Africa, 5-10 September.  Pal E, Allison J, Hurley B., Slippers B, Fourie G. 2021. Genetic diversity of the two-spotted stink bug *Bathycoelia distincta* (Pentatomidae) associated to macadamia orchards in South Africa. 22th Biennial congress of the Entomological Society of Southern Africa (ESSA), Limpopo, South Africa, 28 June - 01 July.  Scheepers L, Allison JD, Slippers B, Rohwer ER, Mc Millan PM, Bello JE and Bouwer MC. 2021. The major pheromone component identity of the Pine Emperor moth, *Nudaurelia clarki*(Lepidoptera: Saturniidae), is confirmed. 36th Annual Meeting of the International Society of Chemical Ecology (ISCE), online, 6-10 September.  Scheepers L, Allison JD, Rohwer ER, Slippers B. 2022. The pheromone of the pine emperor moth, *Nudaurelia clarki* (Lepidoptera: Saturniidae), IUFRO Working Party 7.03.16 Graduate Student Webinar Series, Behavioral and Chemical Ecology of Forest Insects, online, 24 January.  Slippers B, Allison J, Hurley BP. 2022. Precision Pest Management in plantation forests. IUFRO All Division 7 conference, Lisbon, Portugal, 06-09 September.  Slippers B, Nahrung H, Fitza K, Eshetu F, Barnes B, Hurley BP. 2022. Insect-fungal joint invasions and biological control: Lessons from the global *Sirex noctilio* invasion. IUFRO All Division 7 conference, Lisbon, Portugal, 06-09 September.  Slippers B. 2022. A ‘worldwide web’ of tree pathogens: Causes, consequences and possible solutions. World Fungi Day, 8 October. Online Seminar.  Slippers B, Stukenbrock E. 2023. The Plant Disease Pyramid: Plant disease and epidemic development requires a holistic approach. 12th International Congress of Plant Pathology, Lyon, France, 20 - 25 August.  Slippers B, Postma A, Duong T, Nagel JH, Wingfield MJ. 2023. *Neofusicoccum parvum*: A plant pathogen of global significance. 12th International Congress of Plant Pathology, Lyon, France, 20 - 25 August.  Slippers B, Postma A, Nagel JH, Naidoo S, Duong TA, Wingfield MJ. 2023. 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The effect of different culturing conditions on the gene expression of the biological control agent *Deladenus siricidicola*. Joint meeting IUFRO WP 7.02.13 and 7.02.03: Novel and classical strategies to manage forest health in plantations; Campo Grande, Mato Grosso do Sul, Brazil, 17-20 September.  Postma A, Slippers B. 2023. Genome and transcriptome resources for *Sirex noctilio*, *Amylostereum areolatum* and *Deladenus siricidicola*. Joint meeting IUFRO WP 7.02.13 and 7.02.03: Novel and classical strategies to manage forest health in plantations; Campo Grande, Mato Grosso do Sul, Brazil, 17-20 September.  Nel WJ, Slippers B, Wingfield MJ, Barnes I, Paap T, Randolph C, Hurley BP. 2023. Six *Fusarium* species identified from *Euwallacea xanthopus* in South Africa, including two novel species. Joint meeting IUFRO WP 7.02.13 and 7.02.03: Novel and classical strategies to manage forest health in plantations; Campo Grande, Mato Grosso do Sul, Brazil, 17-20 September.  Nzuza P, Schröder M, Heim R, Slippers B, Hurley BP, Roux J, Germishuizen I, Sivparsad B, Maes W. 2023. Detecting *Gonipterus* sp. n. 2 (Coleoptera: Curculionidae) defoliation levels using Unmanned Aerial Vehicle (UAV) imagery in commercial forests of South Africa. Joint meeting IUFRO WP 7.02.13 and 7.02.03: Novel and classical strategies to manage forest health in plantations; Campo Grande, Mato Grosso do Sul, Brazil, 17-20 September.  Queffelec J, Allison J, Greeff J, Slippers B. 2023. Reproductive ecology affects invasion: *Sirex noctilio* as a case study. Joint meeting IUFRO WP 7.02.13 and 7.02.03: Novel and classical strategies to manage forest health in plantations; Campo Grande, Mato Grosso do Sul, Brazil, 17-20 September.  Fitza KNE, Eshetu F, Nahrung H, Barnes I, Carnegie A, Hurley BP, Slippers B. 2023. Reproduction and growth rate of Lineage B and D nematode strains and the implications for Sirex Management. Joint meeting IUFRO WP 7.02.13 and 7.02.03: Novel and classical strategies to manage forest health in plantations; Campo Grande, Mato Grosso do Sul, Brazil, 17-20 September.  Eshetu FB, Barnes I, Nahrung H, Fitza KNE, Slippers B. 2023. Population genetics of the woodwasp *Sirex noctilio* and fungal symbiont *Amylostereum areolatum* in Australia and New Zealand: Unravelling 120 years of invasion history. Joint meeting IUFRO WP 7.02.13 and 7.02.03: Novel and classical strategies to manage forest health in plantations; Campo Grande, Mato Grosso do Sul, Brazil, 17-20 September.  Guignard Q, Allison JD, Spaethe J, Bouwer M, Strube-Bloss M, Slippers. 2023. Visual and chemical ecology of the European woodwasp, *Sirex noctilio*. Joint meeting IUFRO WP 7.02.13 and 7.02.03: Novel and classical strategies to manage forest health in plantations; Campo Grande, Mato Grosso do Sul, Brazil, 17-20 September.  Barnes I, Hurley BP, Wingfield MJ, Slippers B. 2023. The Tree Protection Co-operative Programme: Past, Present and Future directions. Joint meeting IUFRO WP 7.02.13 and 7.02.03: Novel and classical strategies to manage forest health in plantations; Campo Grande, Mato Grosso do Sul, Brazil, 17-20 September.  Slippers B, Coetzee M, Duong T, Wingfield MJ, Tanney JB, Alves A. 2024. The threat of latent, stress related tree pathogens in a changing climate with a special focus on *Botryosphaeriaceae*. 12th International Mycological Conference, Maastricht, Netherlands, 11-15 August.  Grobler C, Slippers B, Oostlander A, Fleißner A, Enderle R, Duong T. 2024. Local scale population genetic and phenotypic diversity in the Pine pathogen *Diplodia sapinea*. 12th International Mycological Conference, Maastricht, Netherlands, 11-15 August.  Slippers B, Borchert M, Visagie CM, Wingfield MJ, Duong TA. 2024. Evolution, cryptic species and new sequence markers for the *Botryosphaeriaceae*. 12th International Mycological Conference, Maastricht, Netherlands, 11-15 August.  Slippers B, Coetzee M, Duong T, Wingfield MJ, Tanney JB, Alves A. 2024. The threat of latent, stress related tree pathogens in a changing climate with a special focus on *Botryosphaeriaceae*. 12th International Mycological Conference, Maastricht, Netherlands, 11-15 August. (invited).  Hurley BP, Schroder ML, Slippers B. 2024. Revising a century old biological control programme: considering climate, diversity and specificity. 27th International Conference of Entomology, Kyoto, Japan, 25-30 August.  Slippers B. 2025. The *Botryosphaeriaceae* in a changing world. British Mycological Society Annual Scientific Meeting, 14-15 July. (invited). |

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| **5.2 Membership in national and international bodies**  Southern African Society of Plant Pathology, Member  South African Institute of Forestry, Member  Entomological Society of Southern Africa, Member, Vice-President (2017-2019)  South African Society of Microbiology, Member  International Mycological Association, Member  International Entomological Society, Member  South African Young Academy of Science, Founding member, Executive Committee member (2012)  Global Young Academy, Founding member, Executive Committee (2010), Co-chair (2011-2013)  Academy of Science of the Developing World (TWAS), Young affiliate  Academy of Science of South Africa, Member  Royal Society of South Africa, Fellow |

**6. MANAGEMENT AND ADMINISTRATIVE DUTIES**

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| Forestry and Agricultural Biotechnology Institute (FABI): Management committee member (2005-present); Director (2018-present)  Tree Protection Cooperative Programme: Management committee member (2005-present); Director (2018-present)  Head of Residence (Boekenhout/Tau Mens Residence; 2008-2014) (TuksVillage; 2016-2018)  UP Residence Advisory Board and Chairman of Clubhouses (2008-2014)  National Sirex Control Steering Committee member (2005-present)  National Forest Research Forum, DAFF (2017-present), Deputy Chair (2018-present)  Planned and oversaw building and establishment of the Quarantine Insect facility and the Biological Control research facility on the UP experimental farm (2008-present), and proposal for substantial expansion of the facilities (2015-2018)  Global Young Academy: the voice of young scientists around the world; Founding member, (2010), Executive Committee (2010-2011) and Co-chair (2011-2012)  South African Young Academy of Science; Founding member and Executive Committee (2011-2012)  Seconded to the Rector’s office (2014) and interim director: University of Pretoria *Future Africa* initiative, which includes development of accommodation, function/dining, office and conference space for 300 visiting scholars, research fellows, postdocs and PhD fellows, as well as researcher and project development processes (2014-2015)  Director: Africa Science Leadership Programme (2015-present) and Tuks Young Research Leader Programme (2016-present)  Next Einstein Forum, Scientific Programs Committee; an initiative of AIMS and the Bosch foundation to develop a high profile, continent wide, general science advancement conference (2015-2020)  Scientific and Strategic Steering Committee (SSSC) of the IRD-CNRS-Cirad (France) joint office in South Africa (2018-2019)  Future Africa: Conceptualization, fund-raising and implementation of the project and founding director (2014-2019)  Innovation Africa @UP: Conceptualization, fund-raising and implementation of the project and founding director (09-2019 to present)  Board of Trustees: Africa Agricultural Technology Foundation (2021-2024); Chair of Resource Mobilization, Partnerships and Sustainability Subcommittee of the Board (2024-present) |

**7. COMMUNITY SERVICE OR PROFESSIONAL SKILLS**

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| **7.1 Outreach projects**  Regular talks and consultation with members of the South Africa forestry and agricultural industry at field days, workshops and congresses, as well as radio talks and popular articles regarding plant pests and diseases.  I regularly lead student development, leadership and stereotype reduction workshops with undergraduate students.  A number of talks to religious groups about the relation between science and faith, particularly around the topic of evolution, including radio and television.  I have been actively involved in the establishment of the Global Young Academy: the voice of young scientists around the world, made the initial proposals and served on the committee appointed by ASSAf to help establish a South Africa Young Academy of Science. I was a founding member of both these organizations and served in executive leadership positions for both. I also lead the team to produce the ‘Blueprint for establishment Young Academies’ document, and am actively involved in stimulating the establishment of young academies in other parts of the world.  Lead bid and organizing team for Global Young Academy general assembly (GIBS, University of Pretoria, Johannesburg). Including outreach activities after the meeting of GYA members to various schools and research institutions.  Regular participation and leadership in school science outreach activities via FABI and the Centre of Excellence in Plant Health Biotechnology. |

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| **7.2 Professional service performed**  Regular presentations at fields days and other industry meetings organized by the Institute for Commercial Forestry Research and the SA Institute of Forestry  International research panel and meeting involvement:  4-18 June 2006, Kerinci, Indonesia. April Group, Research and Development review, Pest and diseases threatening plantation forestry in Indonesia.  15-16 December 2006, Indianapolis, USA. APHIS USDA, Sirex Science Panel meeting, Sirex research and its control in the USA and South Africa.  2007-2008, various European countries. FORTHREATS, EU funded project to assess pathogen risk factors to European forests.  10-17 May 2007. Pretoria and Pietermaritzburg, South Africa. International Sirex Research symposium and workshop. Lead the organising committee.  1-5 July 2008. IUFRO Recent Advances in Forest Entomology, Pretoria, South Africa. Lead the organising committee.  6-11 July 2008. ICE2008, Durban, South Africa. Co-organiser of two symposia on insect-microbe symbioses and invasive forest insects.  23-28 August 2010. IUFRO 2010 World Congress, Seoul, Republic of Korea. Organiser of session on molecular ecological and evolutionary perspectives on changing populations of forest insects and their symbionts symbioses.  26-27 October 2011, Future Forests, various European and other international participants, EU funded project. Sustainable strategies under uncertainty and risk to European Forests  14-16 September 2011. Young Scientist Mentor, at the Annual meeting of the New Champions, World Economic Forum, Dalian, China, invited by the Inter Academy Panel.  20-23 May 2012. Lead bid and organizing team for Global Young Academy general assembly (GIBS, University of Pretoria, Johannesburg). Including outreach activities after the meeting of GYA members to various schools and research institutions, as well as visits and talks by Prof Bruce Alberts (Editor of Science), Prof Howard Alper (Co-Chair of IAP) and Prof Helmut Schwarz (past-president of Alexander von Humboldt Foundation)*.*  25-27 February 2013 Bi-annual IAP meeting. Theme: Grand Challenges and Integrated Innovations: Science for Poverty Eradication and Sustainable Development; Rio de Janeiro. Served on the organizing committee, attended the meeting, presented on YA movement and moderated some sessions.  18-20 March 2013. GYA, SAYAS, Junge Akademi workshop steering committee on Socio-ecological novelty: Fronteirs in sustainability research. Berlin, Germany. (including a public panel discussion on 'Bridging Two Hemispheres: Policy Advice and Sustainability Research in Germany and South Africa')  12-14 May 2013. Global State of Young Scientists international workshop. Served on steering committee, Global Young Academy, Hannover, Germany.  15-18 May 2013. GYA General Assembly. Theme: Demography and Global Research. Steering committee. Halle, Germany.  2-3 October 2013. USAID PEER (Partnership for Enhanced Engagement in Research) congress, Bangkok, Thailand. Participated in panel on 'Importance of Reaching Outside the Scientific Community: Making Your Voice Heard to the Public and to Policy Makers'.  18-23 May 2014. GYA General Assembly. Theme: Demography and Global Research. Steering committee. San Diego, Chile.  2-6 February 2014. First joint Africa Young and Senior Academies workshop. Theme: Demography and Global Research. Steering committee. Nairobi, Kenya.  Annually since June 2015, Africa Science Leadership Programme workshops for scholars from across Africa.  Annually since October 2016, Tuks Young Research Leadership Programme workshops for scholars from the University of Pretoria.  25-30 September 2016. International Congress of Entomology, Symposium on the Sirex Woodwasp as a global invasive pest, Pretoria, South Africa.  6-8 November 2019. IUFRO WG 7.03.13. Biological control of forest insect pests and pathogens.  January 2021. Southern Africa Society for Plant Pathology, society online pre-meeting for the 52nd Biennial Congress, which was postponed due to COVID-19, Pretoria, South Africa.  September 2021. International Society of Chemical Ecology, Annual Congress, intended to be held in Stellenbosch, South Africa, but hosted online due to COVID restrictions. Host and part of the organising committee.  August 2022. Southern Africa Society for Plant Pathology, 52nd Biennial Congress, Pretoria, South Africa. Co-leading the organizing committee.  June 2024. Biophysics of Spore Dispersal: Ideas for Stopping Plant Disease. Future Africa campus, University of Pretoria, South Africa. International workshop funded by the International Centre for Theoretical Physics. Member of the organizing committee. |

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| **7.3 Referee duties**  International scienticid journal reviews: African Entomology, African Plant Protection, Basic Microbiology, Biological Invasions, Canadian Journal of Forest Science, Canadian Journal of Plant Pathology, Czech Mycology, Ecology and Evolution, Environmental Entomology, European Journal of Plant Pathology, FEMS Microbiology, Forestry, Forest Ecology and Management, Forest Pathology, Frontiers in , Fungal Biology, Fungal Ecology, Journal of Invertebrate Pathology, Molecular Ecology, Mycotaxon, Mycological Research, Persoonia, Phytopathology, Phytopathologia Mediteranea, Plant Disease, Plant Pathology, PLOS ONE, Research in Microbiology, Scientific Reports, South African Journal of Science, Southern Forests, Sydowia and Studies in Mycology, The Canadian Entomologist.  Joint editor for two issues of Studies in Mycology; 55 -100 Years of Fungal Biodiversity in southern Africa; 76 - Plant pathogenic and endophytic *Botryosphaeriales* known from culture  Joint editor of special issue of Fungal Biology, Vol 121, Issue 4; Botryosphaeriaceae: systematics, pathology and genetics  Joint editor of special issue of Fungal Evolution and Systematics, Vol 13. 2024; In celebration of the career of Michael J Wingfield.  Journal editorial board: Plant Pathology; Fungal Ecology, Frontiers in Forests and Global Change.  Formas, Swedish Research Council, review panel on *Ecosystems and biodiversity on land* (2021 to present)  Regular examiner of Masters and PhD theses at South African and International Universities. |

**8. AWARDS AND SCIENTIFIC/SCHOLARLY RECOGNITION**

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| **8.1 Evaluation status as scientist/scholar**  NRF President’s Award (P-rating); 2008-2014  NRF B1; 2015-present |

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| **8.2 Research awards and prizes**  Andries Brink-Sasol Prize for best M.Sc. dissertation in Microbiology (1999)  S2A3 Billiton Bronze Medal for best M.Sc. dissertation at the University of the Free State (1999)  Junior Captain Scott Medal for the best dissertation at an South African University (Academy for Science and Art – Biological Sciences) (2000)  British Society for Plant Pathology - Assistance to attend 7th International Congress of Plant Pathology and 7th International Mycological Congress  Mellon Foundation Award (1999-2002) - Mellon postgraduate mentoring programme, administered by the University of Pretoria and funded by the Andrew W. Mellon Foundation, USA.  Southern African Society for Plant Pathology (2001) - Young Plant Pathologist award to support attendance of the 39th annual congress.  International Mycological Society 2002 - Bursary to cover registration, accommodation and functions at the 7th International Mycological Congress – invited speaker.  Skye Foundation, South Africa 2003 - Support for postdoctoral study at the Swedish University of Agricultural Sciences.  Post-doctoral support 2003-2004 from the Swedish University of Agricultural Sciences  Sida (Sweden) and NRF (South Africa) (2003-2006) - Co-applicant. Sweden - South African collaboration; Travel, publication and other costs related to a collaborative *Sirex* – *Amylostereum* research project  International Union of Forestry Research Organisation (IUFRO) (2005) - Award for Outstanding Doctoral research  University of Pretoria (2008, 2009, 2013), Exceptional Young Researcher award, Faculty of Natural and Agricultural Sciences.  Young Scientist, amongst 60 selected by the Inter Academy Panel on international issues to attend the Annual meeting of the New Champions, World Economic Forum, Dalian, China (2009)  Academy of Science of the Developing World (TWAS) Young Affiliate (2009).  Southern African Association for the Advancement of Science (S2A3) British Association Medal (Silver) for scientific excellence to a South African scientist under the age of 40 (2010).  Young Scientist Mentor, invited by the Inter Academy Panel, at the Annual meeting of the New Champions, World Economic Forum, Dalian, China (2011).  Inaugural AU TWAS Young Scientist national award (2011).  Inaugural JE Vanderplank award from Southern African Society of Plant Pathology (2013)  Elected member of the Academy of Science of South Africa (ASSAf) (2016)  University of Pretoria Chancellors’ medal, highest award for research excellence (2016)  Highly Cited Researcher, top 1% cited researchers in the field of Plant & Animal Science, Clarivate Analytics (2018)  South African Institute of Forestry, Continuous Service Excellence Award (2018)  Havenga Prize for Life Sciences from the Academy for Science and Art (2020)  Elected as fellow of the Royal Society of South Africa (2021)  Christiaan Hendrik Persoon Gold Medal from the Southern African Society of Plant Pathology, the highest award of the Society in recognition of a world leader in Plant Pathology (2022)  National Science and Technology Forum of South Africa (NSTF) – South32 Awards, Winner in the Management Category (2024) |

**9. REFEREES**

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