**BRENDA D. WINGFIELD

*CURRICULUM VITAE***

 **Department Biochemistry, Genetics and Microbiology
University of Pretoria
Pretoria
0028
South Africa

 Jan 2023
**

**PERSONAL DATA**

Born 8th December 1958 Livingstone, Northern Rhodesia [Zambia], married to Michael J. Wingfield (Ph.D. Plant Pathology, Minnesota U.S.A.). Two children, Anthony (35yrs) and Beverley (31yrs).

**EDUCATION**

1986-1989 **University of Stellenbosch**, Stellenbosch.

 Degree: Ph.D. December 1989 (Microbiology).

 Promoter: Prof. I.S. Pretorius

 Thesis: Molecular Characterisation of K2 killer and neutral wine yeasts.

1981-1984 **University of Minnesota**, St. Paul, Minnesota U.S.A.

 Degree: M.S. March 1984 (Biochemistry, supporting program Statistics and Genetics).

 Advisor: Prof. T. Guilfoyle

 Thesis: Replication and Transcription of Cauliflower Mosaic Virus.

1979 **University of Cape Town**, Observatory, Cape Town.

 Degree: B.Sc.(Med)Hons, December, 1979.

 Advisor: Dr. G. Coetzer

 Project: The effect of Ascorbic acid on Bovine Aorta cells.

1976-1978 **University of Natal**, Pietermaritzburg.

 Degree: B.Sc., December 1978.

 Majors: Biochemistry and Genetics.

**EMPLOYMENT**

1980 **Research Assistant**, Institute for Electron Microscopy, Medical Research Council, Tygerberg. Responsible for setting up a mammalian tissue culture laboratory. Duties also involved preparation, embedding, sectioning and viewing of TEM samples.

1981-1983 **Research** **Assistant**, University of Minnesota, St. Paul, Minnesota. As a graduate student in the department of Biochemistry worked for three quarters in different laboratories before commencing on my thesis work on the transcription and replication of Cauliflower Mosaic Virus.

1984-1985 **Research** **Officer**, Department of Biochemistry, University of Cape Town, Rondebosch, Cape Town. Responsibilities involved setting up and running a Recombinant DNA laboratory. I was also responsible for advising graduate students on the recombinant DNA aspects of their projects. Most of the research in the laboratory was associated with the histone genes, both cloning of these genes from the sea urchin *Parechinus angulosus* and studies on the mRNA of different stages of development.

1986-1988 **Researcher** **[Navorser]**, Institute for Biotechnology, University of Stellenbosch, Stellenbosch. I was involved in setting up a recombinant DNA laboratory. Once this laboratory was functional I was able to start on my Ph.D. work on killer and neutral wine yeasts. At the same time I was involved in co-operative projects with other members and students of the Department of Microbiology.

1989-1990 **Lecturer/Researcher**, Department of Microbiology and Biochemistry. University of the Orange Free State, Bloemfontein. In 1989 I completed my Ph.D. work on killer yeasts and graduated at the end of that year.

1991-1996 **Senior Lecturer**, Department of Microbiology and Biochemistry. University of the Orange Free State, Bloemfontein.

1997-1998 **Associate Professor**, Department of Microbiology and Biochemistry, University of the Orange Free State, Bloemfontein. Set up a Molecular Taxonomy program in conjunction with other members of the department. The concentration of this thrust was using rRNA and rDNA sequence from a selected set of organisms in order to address questions of relevance to the different research groups in the department. The idea was to study the taxonomy and phylogeny of these organisms.

1998-present **Professor**, Department of Genetics (now Department of Biochemistry, Genetics and Microbiology), University of Pretoria (UP).

1994-1998 **Director** of the Molecular Screening Co-operative Programme (MSCP)

1999-2003 **Director** of the Forest Molecular Biology Co-operative Programme (FMBC), UP

2004-2010 **Programme Leader** of the DST, NRF Centre of Excellence in Tree Health Biotechnology, UP

2009- 2016 **Deputy Dean**, Faculty of Natural and Agricultural Science, UP.

2014-2015 **Acting Dean**, Faculty of Natural and Agricultural Science, UP

2016-present **Research Chair (DST-NRF SARChI)** in Fungal Genomics

**TEACHING EXPERIENCE**

 **University of Minnesota 1983.**

 Undergraduate Biochemistry Laboratory course

 **University of Cape Town 1984**

 Co-advisor for Honours student D. White

 **University of Stellenbosch**

 Recombinant DNA Technology course for Honours students

 1986-1988.

 Killer yeasts - 4th year Microbiology students 1987

 Co-advisor for Honours student R. Brandt 1986

 Co-advisor for Honours student E. van der Merwe 1987

 Co-advisor for Honours student V. Southgate 1988

 **University of the Orange Free State**

 Honours techniques course and Molecular Biology Course 1989-1997

 Third Year Molecular Biology Practical Course [MKB 334] 1990-1997

 Third Year Molecular Biology Course (MKB 334) 1991-1997

 Third Year Core Module Molecular Biology for Biochemistry (BOC334) 1995-1997

 **University of Pretoria 1998**

 GTS 215 (part of course) 2nd year - Molecular Genetics

 GTS 225 (1998 and 1999)(2nd year - Microbial Genetics

 Hons module Genetics students 1998-present

 Hons course co-ordinator 1999 - 2000

 GTS 215 (2000-2001) 2nd year - Molecular Genetics

 GTS 251 (2002) 2nd year - Molecular Genetics

 GTS 261 (2003-2009) 2nd year – Genetic Analysis and Manipulation

 GTS 352 (2003- 2010) 3rd year – Genomes

 **Honours students**

 A. Matthee 1989 (UOFS)

 C.D. Viljoen 1990 (UOFS)

 R.C. Strydom 1991 (UOFS)

 W. de Lange 1992 (UOFS)

 E.T. Steenkamp 1993 (UOFS)

 H. Myburg 1993 (UOFS)

 M.M.M. Pebane 1995 (UOFS)

 M. Coetzee 1995 (UOFS)

 S. van Zyl 1996 (UOFS)

 E. Wessels 1996 (UOFS)

 A. van der Merwe 1997 (UOFS)

 A. Pretorius 1998 (UP)

 R Bhoora 1999 (UP)

 D. Rutkowska 1999 (UP)

 W. van Rensburg 2000 (UP)

 C. Aldous 2000 (UP)

 A. Galleger 2001 (UP)

 G. Ramoshodi 2001 (UP)

 K. Muller 2002 (UP)

 L. Killen 2002 (UP)

 R. Nelson 2002 (UP)

 M. Wessels 2002 (UP)

 J. Grobbelaar 2003 (UP)

 J. Darby 2003 (UP –4th year BSc)

 S. van Niekerk 2004 (UP)

 C.L.M. Wingfield 2004 (UP)

 M. Logan 2005 (UP)

 P.M. Wilken 2005 (UP)

 K. Hutamo 2006 (UP

 Q. Santana 2006 (UP)

 S. Martin 2007 (UP)

 H. Badenhorst 2007 (UP)

 O. Mlonyeni 2007 (UP)

 K. van Zyl 2008 (UP)

 J. Nagel 2008 (UP)

 P. Pillay 2008 (UP)

 K-A Pillay 2008 (UP)

 M. Simpson 2009 (UP)

 S. Bam 2010 (UP)

 T. Hall 2010 (UP)

 A. Fourie 2011(UP)

 J. van Rensburg 2011(UP)

 D. Roodt 2012 (UP)

 A. Wilson 2013 (UP)

 C. Trollip 2014 (UP)

 C. Wickham 2015 (UP)

 C. Tatum 2015 (UP)

 C. Jordaan 2016 (UP)

 N. Soal 2017 (UP)

 J. Lim 2017 (UP)

 F. Lane 2017 (UP)

 S. La 2018 (UP) (with A Kanzi)

 J. Craddock 2018 (UP) (with L de Vos)

 J. Mollentze 2018 (UP) (with PM Wilken)

 L. Sebapu 2018 (UP) (with T Duong)

 N.N. Maseko 2018 (UP) (with PM Wilken)

 A. Viljoen 2019 (UP) (with A Kanzi)

 C. Hoogkamer 2019 (UP) (with L de Vos)

 R. Grove 2020 (UP) (with A Wilson)

 C. Ceriani 2021 (UP) (with A van der Merwe and S van Wyk)

 B. Hough 2021 (UP) (with D Read)

 A. Selebi 2021 (UP) (with H Suzuki)

 T. Fuchs 2022 (UP)

 A. Bazerbachi 2023 (UP)

 **M.Sc. Students**

 Chris Viljoen (1991) (*converted to Ph.D. 1992*)

 Corli Strydom (1992) (*graduated 1994*)

 Wouter de Lange (1993) (*graduated 1996*)

 Wilhelm de Beer (1993) [co-advisor] (*graduated 2002*)

 Christa Visser (1993) (*graduated 1999*)

 Emma Steenkamp (1994) (*graduated 1996*)

 Cassi Myburg (1994) (*graduated 1997*)

 Zander Myburg (1994) [co-advisor] (*graduated 1997*)

 Maneshee Jugmohan (1994) [co-advisor] (*graduated 1997*)

 Martin Coetzee (1996) (*graduated 1998*)

 Janine van Niewholtz (1996) [co-advisor] (*graduated 1999*)

 Bernard Slippers (1996) [co-advisor] (*graduated 1999*)

 Albe van der Merwe (1998) (*graduated 2000*)

 Juanita de Wet (1998) [co-advisor] (*graduated 2000*)

 Marieka Venter (1998) [co-advisor] (*graduated 2000*)

 Riana Jacobs (1998) [co-advisor] (*graduated 2001*)

 Nonnie Geldenhuis (1999) [co-advisor] (*graduated 2005*)

 Jackie Doyle (1999) [co-advisor] (*graduated 2001*)

 Raksha Bhoora (2000) (*graduated 2003*)

 Gavin Hunter (2000) [co-advisor] (*graduated 2002*)

 Irene Barnes (neé Vincent) (2000) [co-advisor] (*graduated 2002*)

 Rodrigo Ahumada (2001) [co-advisor] (*graduated 2003*)

 Ronald Heath (2001) [co-advisor] (*graduated 2004*)

 Colleen Aldous (2000) [co-advisor] (*graduated 2005*)

 Brett Hurley (2001) [co-advisor] (*graduated 2006*)

 Almuth Hammerbacher(2002)[co-advisor] (*graduated 2006*)

 Lance Maphosa (2002) (*graduated 2005*)

 Marelize van Wyk (2002) [co-advisor] (*graduated 2004*)

 Joha Grobbelaar (2004) (*graduated 2009*)

 Happy Maleme (2005) [co-advisor] (*graduated 2009*)

 Marija Kvas (2005) [co-advisor] (*graduated 2010)*

 Markus Wilken (2006) (*graduated 2009*)

 Natalie van Zuydam (2006) (*graduated 2009*)

 Vuledzani Muthelo (2006) [co-advisor] (*graduated 2009*)

 Quentin Santana (2007) [co-advisor] (*converted to Ph.D. 2008*)

 Simon Martin (2008) (*graduated 2011*)

 Osmond Mlonyeni (2008) [co-advisor] (*graduated 2011*)

 Liza-Daniel de Wet (2008) [co-advisor] (*graduated 2011*)

 Darryl Herron (2009) [co-advisor] (*graduated 2013*)

 Melissa Simpson (2010) (*graduated 2012*)

 Mmashepho Phasha (2010) [co-advisor] (*graduated 2012*)

 Tondani Kone (2010) [co-advisor] (*graduated 2014*)

 Tracy Hall (2011) (*graduated 2014*)

 Phia van Coller (2011) [co-advisor] (*graduated 2013*)

 Mkhululi Maphosa (2012) (*graduated 2014*)

 Arista Fourie (2012) [co-advisor] (*graduated 2014*)

 Danielle Roodt (2013) (*graduated 2015*)

 Simone Fouche (2013) [co-advisor] (*graduated 2016*)

 Stephanie van Wyk (2013) [co-advisor] (*graduated 2016*)

 Andi Wilson (2014) (*graduated 2016*)

 Conrad Trollip (2015) (*graduated 2017*)

 Liezl Potgieter (2015) [co-advisor] (*graduated 2017*)

 Benny Swalarsk-Parry (2015) [co-advisor] (*graduated 2017*)

 Catherine Tathum (2016) *(graduated 2019)*

 Wilma Nel (2016) [co-advisor] (*graduated 2018*)

 Johnathan Bredenkamp (2016) [co-advisor] (de-registered)

 Dineo Mailula (2017) [co-advisor] *(graduated 2019)*

Modjadji Makwela (2018) *(graduated 2022)*

 Zorada Swart (2018)[co-advisor] (*graduated 2022*)

 Nicole Soal (2018) *(graduated 2021)*

 Frances Lane (2018) *(graduated 2020)*

 Claudette Dewing (2018) [co-advisor] *(graduated 2020)*

 Fezile Mthunzi [co-advisor] *(graduated 2020)*

 Nomaswazi Maseko (2019) [co-advisor] (*graduated 2023*)

 Lebone Sebapu (2019) [co-advisor] (currently enrolled)

 Sthembiso Mngadi (2019) [co-advisor] (deregistered

 Anien Vijoen (2020) [co-advisor] (currently enrolled)

 Daniella Kramer (2020) [co-advisor] (currently enrolled)

 Vinolia Danki (2020) [co-advisor] (*graduated 2023*)

 Boitshoko Rammuki (2020) [co-advisor] (currently enrolled)

 Lukanyo Makhabane (2020) [co-advisor] (currently enrolled)

 Sean Schultze (2021) [co-advisor] (currently enrolled)

 Kyle Leeuwendaal (2021) [co-advisor] (currently enrolled)

 Preston Shaw (2021) [co-advisor] (currently enrolled)

 Alisha van Heerden (2021) [co-advisor] (currently enrolled)

 Tiphany Nkomo [co-advisor] (currently enrolled)

 Bianca Hough [co-advisor] (currently enrolled)

 Deanne du Plessis (2022) [co-advisor] (currently enrolled)

 Alida van Djk (2022) [co-advisor] (currently enrolled)

 Callin Ceriani (2022) (currently enrolled)

 Alinswe Selebi (2022) (currently enrolled)

 Taygen Fuchs (2023) (currently enrolled)

 **Ph.D. Students**

 Adriaan Smit (1991) [co-advisor] (*graduated 1995*)

 Karl-Hienz Riedel (1991) [co-advisor] (*graduated 1997*)

 Chris Viljoen (1993)(*graduated 1997*)

 Corli Witthuhn (née Strydom) (1995) (*graduated 1999*)

 Len van Zyl (1995) [co-advisor] (*graduated 1999*)

 Conrad Shoch (1996) [co-advisor] (*graduated 2000*)

 Karin van der Westhuizen(née Jacobs)(1996)[co-advisor](*graduated2000*)

 Emma Steenkamp (1996) (*graduated 2001*)

 Percy Chimwamurombe (1997) (*graduated 2001*)

 Henriette Britz (1997) [co-advisor] (*graduated 2002*)

 Esme van Jaarsveld (2000) [co-advisor] (*graduated 2002*)

 Nitsane Moleleki (1998) (*graduated 2002*)

 Cassi Myburg (1997) (*graduated 2003*)

 Martin Coetzee (1998) (*graduated 2004*)

 Bernard Slippers (1999) [co-advisor] (*graduated 2003*)

 Eddie Venter (1999) [co-advisor] (*graduated 2004*)

 Bongani Maseko (1999) [co-advisor] (*graduated 2010*)

 Albe van der Merwe (2000) (*graduated 2012*)

 Mesfin Bogale (2000) (*graduated 2006*)

 Alemu Gezahgne (2000) [co-advisor](*graduated 2003*)

 Juanita de Wet (2000) [co-advisor] (*graduated 2008*)

 Schalk van Heerden (2000) [co-advisor] (*graduated 2004*)

 XuDong Zhou (2000) [co-advisor] (*graduated 2003*)

 Marinda Visser (2000) [co-advisor] (*graduated 2004*)

 Marieka Gyzenhout [née Venter] (2001) [co-advisor] (*graduated 2006*)

 Mauricio Montoya Marin (2001) [co-advisor] (*graduated 2004*)

 Sabine Lezar (2001) (*graduated 2005*)

Gavin Hunter (2002) [co-advisor] (*graduated 2007*)

 Irene Barnes [neé Vincent] (2002) (*graduated 2009*)

 Maria-Noel Cortinas (2002) (*graduated 2011*)

 Riana Jacobs (2002) [co-advisor] (*graduated 2010*)

 Lieschen de Vos (née Bahlmann) (2002) (*graduated 2012*)

 Grace Nakabonge (2003) [co-advisor] (*graduated 2006*)

 Marelize van Wyk (2004) (*graduated 2013*)

 Ronald Heath (2004) [co-advisor] (*graduated 2009*)

 Lorenzo Lombard (2004) [co-advisor] (*graduated 2010*)

 Magriet van der Nest (2004) (*graduated 2010*)

 Ali Aladawi (2005) [co-advisor] (*graduated 2011*)

 Kershney. Naidoo (2006) (*graduated 2013*)

 Alvaro Duran (2007) [co-advisor] (*graduated 2010*)

 Guillermo Perez (2007) [co-advisor] (*graduated 2010*)

 Wubeu Bihon Legesse (2007) (*graduated 2010*)

 Matsepo Taole (2007) (*graduated 2013*)

 Michael Mbenoun (2010)[co-advisor](*graduated2014*)

 Tuan Duong (2008) [co-advisor] (*graduated 2013*)

 Quentin Santana (2009) [co-advisor] (*graduated 2019*)

 Markus Wilken (2009) (*graduated 2016*)

 Gerda Fourie (2009) [co-advisor] (*graduated 2016*)

 Melissa Simpson (2012) (*graduated 2018*)

 Mmatshepho Phasha (2012) [co-advisor] (*graduated 2021*)

 Osmond Mlonyeni (2012) [co-advisor] (*graduated 2018*)

 Donghyeon Lee (2012) [co-advisor] (*graduated 2016*)

 Aquillah Kanzi (2013) [co-advisor] (*graduated 2017*)

 Darryl Herron (2013) [co-advisor] (currently enrolled)

 Tayo Adenigba (2013) [co-advisor] (currently enrolled)

 Mohammad Sayari (2014) (*graduated 2020*)

 Mkhululi Maphosa (2014) (currently enrolled)

 Arista Fourie (2014) [co-advisor] (*graduated 2019*)

 Stephanie van Wyk (2015) [co-advisor] *(graduated 2020)*

 Andi Wilson (2016) (*graduated 2020*)

 Benny Swalarsk-Parry (2017) [co-advisor] (currently enrolled)

 Minette Havenga (2018) [co-advisor] (*graduated 2021*)

 Qianli Liu (2018) [co-advisor] (*graduated 2023*)

 Jane Ramaswe (2018) (currently enrolled)

 Kenny Masuku (2019) (currently enrolled)

 Deborah Narh Mensah (2019) (*graduated 2023*)

 Frances Lane (2020) [co-advisor] (currently enrolled)

 Claudette Dewing (2020) [co-advisor] (currently enrolled)

 Sikelela Buthelezi (2020) [co-advisor] (currently enrolled)

 Manchela Ratsoma (2020) [co-advisor] (currently enrolled)

 Dineo Mailula (2021) [co-advisor] (currently enrolled)

 Lente van Zyl (2022) [co-advisor] (currently enrolled)

 Byron Sonnekus (2022) [co-advisor] (currently enrolled)

 Carlynn Jacobs (2022) [co-advisor] (currently enrolled)

 **Post Doctoral Students and Research Fellows**

 Oliver Preisig [1994-1996]

 Treena Burgess [1999 -2000]

 Thierry Regnier [2000 -2001]

 Nitsane Moleleki [2002 - 2004]

 Karin Jacobs [2002 - 2004]

 Lawrie Wright [2004 - 2006]

 Martin Coetzee [2004 - 2005]

 Wieland Maier [2004 - 2007]

 Jane Wright [2005 - 2007]

 Marieka Gryzenhout [2006 - 2008]

 Mesfin Bogale [2006 - 2008]

 Lu Min [2008-2009]

 Eunsong Oh [2009 - 2010]

 Irene Barnes [2009 - 2010]

 Wubetu Bihon [2010 - 2013]

 Pedro Romon [2010 - 2013]

 Lieschen de Vos [2012 - present]

 Stephanie Slinski [2012 - 2014]

 Magriet van der Nest [2013 - 2019]

 Tuan Duong [2013-2017]

 Almuth Hammerbacher [2015 - 2017]

 Alistair McTaggart [2015 - 2017]

 Markus Wilken [2016 - 2018]

 Gerda Fourie [2016 - 2018]

 Donghyeon Lee [2016 - 2017]

 Awelani Mutshembele [2016 - 2017]

 Aquillah Kanzi [2017 - 2019, 2020 - 2021]

 Vuyiswa Bushula [2017 - 2020]

 Quentin Santana [2019 - 2021]

 Felix Fru [2019 - 2020]

 Mohammad Sayari [2020]

 Andi Wilson [2020 - present]

 Janneke Alyward [2020 - present]

 Stephanie van Wyk [2020 - 2021]

 Hiroyuki Suzuki (2019 - 2022)

 Dawit Kidanemariam [2023 - present]

**MEMBERSHIPS OF SCIENTIFIC SOCIETIES and COMMITTEES**

South African Society for Microbiology (Council member 1990-1992)(member 1988-present)

South African Society for Molecular Biology and Biochemistry (Task group member Free State Representative 1995, Council member 1997-2000)

Southern African Society for Plant Pathology (1997 - present)

South African Experimental Biology Group (Committee member 1987)

SAWISE, representative for Free State region (1995). Also representation on the National Science and Technology Forum (NSTF) (1995)

Third World Organisation for Women in Science (TWOWS)

Mycological Society of America

Society for Molecular Biology and Evolution

American Society of Fungal Genetics

South African Society of Plant Pathology

Member of the Advisory Committee for regulation of Genetically Modified Organisms (South Africa) 2000 to 2004

Member of the adjudication board for the NSTF awards, 1998 and 1999

Member of the NSTF EXCO 2001 – present

Chairperson of the NSTF (2007 - 2014)

Member of SETAG and SETAG EXCO 2004-present

Member of the Academy of Science of South Africa (ASSAf) 2000 – present

Member of Academy of Science of South Africa (ASSAf) council 2013 – 2020

Vice-President of Academy of Science of South Africa (ASSAf) 2015- 2020

Member of Expert committee for Biotechnology Strategy (2001) for South Africa

Member of the Board of Trustees of PlantBio (2004 – 2008)

Vice Chairman Board of Trustees of PlantBio (2007 – 2008)

Member of the Royal Society of South Africa (2007 - present)

Fellow of the Royal Society of South Africa (2008 - present)

Fellow of the Third World Academy of Science (TWAS) (2009 - present)

Member of the American Society of Plant Pathology 2013 - present

Member of the International Society of Plant Pathology [ISPP] Executive for 2013-present [portfolio - Secretary General]

INRA Scientific Advisory Board, SMaCH (2014 – 2015)

Fellow African Academy of Science (AAS) (2016 - present)

Panel meeting for European Research Commission (ERC) LS9, Brussels 2016, 2018, 2020, 2022

Panel member on the Norwegian Centres of Excellence committee 2016

**Awards**

University of Pretoria Exceptional Achievers Award 2007, 2004, 2001

University of Pretoria Chancellors Award for Research 2012 and 2021

Winner Dept. Water Affairs & Forestry Women in Water, Sanitation & Forestry Research Award 2007

Finalist Department of Science & Technology Distinguished Women in Science Award 2007

Winner Department of Science & Technology Distinguished Women in Science Award 2008

Winner African Union Regional Awards for Women in Science (Southern Region) 2009

NRF Y1 rating 1990, NRF C1 rating 1994, NRF B2 rating 1998, NRF B3 rating 2004, NRF B2 rating 2009, NRF A2 rating 2014, NRF A2 rating 2020

Winner 2014 NSTF BHP Billiton Award for researchers for an outstanding contribution to SET through research capacity development over the last 5 to 10 years

Persoon medal, Southern African Society of Plant Pathology (SASPP) 2015 (first female recipient)

Recipient of the Harry Oppenheimer Memorial Fellowship Award 2015

Awarded DST/NRF SARChI research chair in Fungal Genomics 2016

American Phytopathological Society Fellow Award 2017

Honorary Member of Mycological Society of America 2017 (highest honour for an international mycologist)

South African Society of Microbiology Gold Medal 2018 (first female recipient)

Hartig-Patterson Award for Achievement in Forest Pathology (2022), IUFRO Research Group 7.02.00 “Pathology”

**INVITED LECTURES**

South African Experimental Biology Group. Second Meeting, Tygerberg (1984). "Cauliflower Mosaic Virus".

Department of Microbiology, University of Cape Town. (1984). "Cauliflower Mosaic Virus".

Department of Microbiology, University of Cape Town. (1987).

"Killer yeasts".

Department of Microbiology, University of the Orange Free State, (1988). "Killer Yeasts".

Department of Biology, University of New York, Buffalo New York, U.S.A. (1989). "Killer Yeasts.

Keynote address at the 30th Annual Congress of the South African Society of Plant Pathology (1992). "Future Prospects for the molecular characterisation of Plant Pathogenic fungi".

Department of Plant Pathology, University of Viscosa, Viscosa, Brazil. (1993). "Molecular Characterisation of Plant Pathogens".

Department of Molecular Biology, University of Brasilia, Brasilia, Brazil. (1993). "Molecular Characterisation of Plant Pathogens

Department of Plant Pathology, Iowa State University, Ames, Iowa, U.S.A. (1994). "Molecular taxonomy of selected tree pathogens".

South African Society for Plant Pathology, OFS regional meeting (1994). “A PCR based identification method for species of *Armillaria*”.

University of Zimbabwe, Harare, Zimbabwe (1995). “A PCR based identification method for species of *Armillaria.*”

Forestry Research Institute (FRIM), Kuala Lumpur, Malaysia, (1995). “A PCR based identification method for species of *Armillaria.*”

University of Hong Kong, Hong Kong (1995). “A PCR based identification method for species of *Armillaria.*”

Department of Microbiology, University of Durban Westville (1995). “A simple method of Mitochondrial DNA RFLPs, exemplified by studies on *Heterobasidion annosum.*”

University of Zimbabwe, Harare, Zimbabwe (1998). “Molecules and Mycology: Identifying African Armillarias.”

University of Medunsa, Speaker at the Woman’s day forum 1999.

Australian Plant Pathology Society regional meeting, Canberra, ACT, Australia. (2000) "Another kind of tree - research on *Armillaria mellea* in South Africa".

Invited session chair. Asian Mycological Congress, Kungming, October 2002.

International congress of Plant Pathology, Christchurch, New Zealand (2003) “Understanding the threat of Pitch Canker to exotic plantation forestry in the Southern Hemisphere”.

American Phytopathological Society annual meeting, (APS),( 2004) invited speaker “Phylogeographic studies on tree pathogens reveal differing patterns of speciation and host pathogen co-evolution” California, USA.

Asian Mycological Congress, Invited speaker. “Generic boundaries of Plant Pathogens confuse Plant Pathologists”, Chang Mai, Thailand November 2004.

Mycological Society of America (2005) An overview of African *Armillaria* species. Mycological Society of America Meeting. Hilo, Hawaii USA.

International Mycological Congress (2006) Invited Speaker and Symposium Chair. Cryphonectria canker of *Eucalyptus:* a little-known disease caused by an assemblage of fungi of extreme quarantine relevance. Cairns, Australia.

International Symposium "Ophiostomatoid fungi. Expanding Frontiers" 2006 Invited speaker “Emerging evidence for discrete generic boundaries.” Moreton Bay Research Station, North Stradbroke Island, Brisbane, Australia

Keynote address at the Bio08 meeting in Grahamstown 2008 “DNA sequence data have radically altered Plant Pathogen identification and they will continue to do so”

Workshop SASPP 2013

Invited Speaker and Symposium organiser IMC 10 2014 “Using Population Genetics to understand the biology of an apparently asexual and important pine pathogen”

Guest speaker April graduation 2015 University of the Witwatersrand

Duke University Mycology Research Unit, Duke University 2016 "Unisexual reproduction in Huntiella moniliformis"

Department of Plant Pathology and Applied Microbiology, Penn State 2016 "Unisexual reproduction in Huntiella moniliformis"

Co-chair of session “Mating and Clonality in Fungi”, Fungal Genetics meeting Asilomar 2017

Leading Women in Fungal Biology symposium in August 2017 held by the Westerdijk Institute in Utrecht, Holland: chaired the one session on Fungal Biodiversity and opened the session on Fungal Genomes with a talk titled “Mating Matters in Fungi”.

Keynote Address: Genes to Genomes and Back again. SASM 2018

Co-chair session on “*Fusarium*: The genomics of functional and ecological diversity” IMC11, Puerto Rico 2018

Co-chair of session “Mating and Sexual development in Fungi”, Fungal Genetics meeting Asilomar 2022

**OVERSEAS RESEARCH VISITS**

 U.S.D.A. Peoria Illinois 1989

 University of New York, Buffalo, 1989

 Rutgers University, New Jersey, 1989

 NIH, New Brunswick, 1989

University of California, Berkeley, 1992

 University of Iowa, Ames, 1992

 University of Minnesota, 1992

 Duke University, Durham, 1992

 NC State University, Raleigh, 1992

 Viscosa University, Viscosa, Brazil, 1993

 University of Brasilia, Brasilia, Brazil, 1993

Iowa State University, Ames, Iowa, U.S.A. 1994 (Sabbatical. Dec. 1993- Aug. 1994
in the laboratories of T.C. Harrington Iowa State University Ames, Iowa, U.S.A.)

 University of British Columbia, Vancouver, BC Canada, 1994

 University of Zimbabwe, Harare, 1995

 Forestry Research Institute, Kuala Lumpur, Malaysia, 1995

 University of Hong Kong, Hong Kong, 1995

 Joint APS/MSA meeting Indianapolis, Indiana 1996

 Iowa State University, Ames, Iowa, U.S.A. 1996

 NC State University, Raleigh, 1996

 Iowa State University, Ames, Iowa, U.S.A. 1997

 University of Zimbabwe, Harare, 1998

 ICPP Edinburgh UK, 1998

 Eucalyptus Genetics meeting, Hobart, Australia 1999

 CSIRO, Canberra, Australia 1999

 Forest Biotechnology meeting, Oxford, UK 1999

 Tropical Mycology Meeting, Liverpool, 2000

CSIRO, Canberra, Australia 2000 (Sabbatical June – Dec 2000 in the Plant Industry
 group at CSIRO with Dr. Jeremy Burdon)

 Joint MSA/SON/APS meeting Utah, USA, August 2001

 IUFRO Tree Biotechnology Meeting, Washington State, USA, July 2001

 Mycological Society of America, annual meeting, Salt Lake City, Utah, 2001

 International Mycological Congress, Oslo, Norway 2002

 Asian Mycological Meeting, Kungming, China 2002

 IUFRO Tree Biotechnology meeting Umëa, Sweden 2003

 International congress of Plant Pathology, Christchurch, New Zealand 2003

 CSIRO, Canberra, Australia 2004

 CBS centennial, Netherlands 2004

 APS meeting California, USA 2004

 Asian Mycology Meeting, Chang Mai, Thailand 2004

 Mycological Society of America Meeting, Hawaii 2005

 Murdoch University, Perth Australia (Research leave June– August 2006)

 International Mycology Congress Cairns 2006

International Symposium "Ophiostomatoid fungi. Expanding Frontiers" Moreton Bay Research Station, North Stradbroke Island, Brisbane, Australia 2006

 CBS, Netherlands 2007

 IUFRO Forest Biosecurity Conference in Rotorua April 2009

 University of California, Davis, USA Sabbatical with Dr Tom Gordon July-Dec 2009

 IMC Edinburgh 2010

 Asilomar, California, USA – Fungal Genetics Meeting 2011

 University of British Colombia 2012

 Asilomar, California, USA – Fungal Genetics Meeting 2013

 ICPP, Beijing, China 2013

 IMC, Bangkok, Thailand 2014

 Asilomar, California, USA – Fungal Genetics Meeting 2015

 Australasian Plant Pathology Society Meeting, Freemantle Australia 2015

 Panel meeting for European Research Commission (ERC) LS9, Brussels 2016

 Norwegian Centres of Excellence committee 2016

 Asilomar, California, USA – Fungal Genetics Meeting 2017

Pennsylvania State University, State College, USA Sabbatical with Dr David Geiser March-August 2017

Panel meeting for European Research Commission (ERC) LS9, Brussels 2018, 2020, 2022

Asilomar, California, USA – Fungal Genetics Meeting 2019

Asilomar, California, USA – Fungal Genetics Meeting 2022

**Editorial and External Examination Responsibilities**

 Assistant editor for the SASM Newsletter 1990-1992

 Editor for the SASM Newsletter 1997

Review manuscripts and grants for Applied and Environmental Microbiology, Australasian Plant Pathology, FEMS Microbiology Letters, Fungal Genetics, Journal of Phytopathology, New Phytologist, Molecular Ecology, Molecular Ecology Notes, Molecular Plant Pathology, Mycological Progress, Mycological Research, Mycologia, Plant Pathology, Mycological Progress, South African Journal of Botany, Genome Canada and Virus Research*.*

Appointed to the Editorial Board of Fungal Biology (Journal of the British Mycological Society previously Mycological Research) 2005 – present

 External Examiner for theses from University of Stellenbosch, University of KwaZulu Natal, University of the Free State, Hong Kong University, Melbourne University, University of Sydney, University of Namibia

 University of Namibia, (2012- 2015) external examiner for Bachelor degree

 NMMU – Reviewer for Department of Microbiology and Biochemistry

 Appointed to the Editorial Board Current Genetics - 2014 – present.

 Appointed as Senior Editor IMA Fungus (journal of the International Mycological Association) – 2019- present

 Appointed to the Editorial Board Fungal Genetics and Biology - 2019 – present.

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INSTITUTIONAL PROFILE

https://www.fabinet.up.ac.za/index.php/people-profile?profile=908

**PUBLICATIONS**

1. VAN VUUREN, H.J.J. AND B.D. WINGFIELD (1986). Killer Yeasts - The Cause of Stuck Fermentations in a Wine Cellar. *South African Journal of Enology and Viticulture* **7**, 113-118.
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3. NEL, L., B.D. WINGFIELD AND H.J.J. VAN VUUREN (1987). Isolation and characterisation of *Leuconostoc oenos* bacteriophages from wine and sugar cane. *FEMS Microbiological letters* **44**, 63-67.
4. WINGFIELD, M.J., P.S. VAN WYK, AND B.D. WINGFIELD (1987). Reclassification of *Phialocephala* based on conidial development. *Transactions of the British Mycological Society* **89**, 509-520.
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8. WINGFIELD, B.D. (1990). Killer yeasts in wine fermentations. *Acta Varia* **5**, 69-75.
9. RIEDEL, K-H., B.D. WINGFIELD AND T.J. BRITZ(1992). Combined influence of Magnesium concentration and polymerase chain reaction specificity enhancers. *FEMS Microbiology Letters* **92**, 69-72.
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13. WINGFIELD, B.D. AND M.J. WINGFIELD (1993). The value of dried fungal cultures for taxonomic comparisons using PCR and RFLP analysis. *Mycotaxon* **46**, 429-436.
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HAMMERBACHER, A., B. SWALARSK-PARRY AND B.D. WINGFIELD (2018) Chemical defence responses of Australian Acacia trees to infection by *Ceratocystis albifundus* and *C. manginecans*. ICPP Boston 28July-3Aug.

HERRON, D., E.T. STEENKAMP, B.D. WINGFIELD AND M.J. WINGFIELD (2018) The pitch canker pathogen *Fusarium circinatum*: endophytic on grasses in South Africa. ICPP Boston 28July-3Aug. ICPP Boston 28July-3Aug.

MAILULA, D., M.A. VAN DER NEST, B.D. WINGFIELD, A. MISSE, J. ROUX AND A. HAMMERBACHER (2018) Fusel alcohol biosynthesis in the Ceratocystidaceae. ICPP Boston 28July-3Aug.

PHASHA, M., B.D. WINGFIELD, M. P. A. COETZEE, M. J. WINGFIELD AND E. T. STEENKAMP (2018) *Ras2* Affects Pathogenicity in *Fusarium circinatum*. ICPP Boston 28July-3Aug.

SAYARI, M., M.A. VAN DER NEST, E.T. STEENKAMP AND B.D. WINGFIELD (2018) An optimized *Agrobacterium tumefaciens*-mediated transformation protocol for *Ceratocystis albifundus*. ICPP Boston 28July-3Aug.

SWALARSK-PARRY, E.T. STEENKAMP, A. HAMMERBACHER, B.D. WINGFIELD AND L. DE VOS (2018) Association of a quantitative trait locus with growth of *F. circinatum*. ICPP Boston 28July-3Aug.

VAN DER NEST, M.A., E.T. STEENKAMP, A. CHAN, A. FOURIE, L. DE VOS, A. MCTAGGERT, M.J. WINGFIELD AND B.D. WINGFIELD (2018) GWAS-based analysis of quantitative traits in *Ceratocystis albifundus*. ICPP Boston 28July-3Aug.

WILKEN, P. M., E.T. STEENKAMP, M.J. WINGFIELD, Z.W DE BEER AND B.D. WINGFIELD (2018) Mating strategies in the Ceratocystidaceae that includes pathogens of trees and agronomic crop Plants. ICPP Boston 28July-3Aug.

WILKEN, P.M., E.T. STEENKAMP, M.J. WINGFIELD, Z.W. DE BEER AND B.D. WINGFIELD (2018) Evidence for post-mating species barriers in *Ceratocystis*.  ICPP Boston 28July-3Aug.

WILSON, A.M., M.A. VAN DER NEST, P.M. WILKEN, M.J. WINGFIELD AND B.D. WINGFIELD (2018) Pheromone expression in the unisexual fungus, *Huntiella moniliformis*. ICPP Boston 28July-3Aug.

WILSON, A.M., M.A. VAN DER NEST, P.M. WILKEN, M.J. WINGFIELD AND B.D. WINGFIELD (2018) Characterization of MAT1-2-7: a novel MAT gene in the wood-infecting fungus *Huntiella omanensis*. ICPP Boston 28July-3Aug.

WINGFIELD, M.J., B.D. WINGFIELD AND B. SLIPPERS (2018) Planted forest health: The need for a global strategy. ICPP Boston 28July-3Aug.

AYLWARD, J., B.D. WINGFIELD, F. ROETS, L.L. DREYER AND M.J. WINGFIELD (2019) Phylogenomics of *Teratosphaeria* leaf and stem pathogens. 30th Fungal Genetics Meeting, Asilomar, California 12-17 March.

AYLWARD, J., E.T. STEENKAMP, L.L. DREYER, F. ROETS, M.J. WINGFIELD AND B.D. WINGFIELD (2019) Idiosyncrasies of the mating type (*MAT*) locus in Capnodiales genomes. 30th Fungal Genetics Meeting, Asilomar, California 12-17 March.

DE VOS, L., B.S. SWALARSK-PARRY, M.A. VAN DER NEST, D.A. HERRON, E.T. STEENKAMP ANDB.D. WINGFIELD (2019) Genetic investigations into pathogenicity and growth of a South African population of *Fusarium circinatum*. 30th Fungal Genetics Meeting, Asilomar, California 12-17 March.

DE VOS, L., C. DEWING, Q.C. SANTANA, E.T. STEENKAMP, M.A. VAN DER NEST AND B.D. WINGFIELD (2019) Genome comparisons reveal processes implicated in host specificity in the *Fusarium fujikuroi* species complex. 30th Fungal Genetics Meeting, Asilomar, California 12-17 March.

HAVENGA, M., F. ROETS, L.L. DREYER, B.D. WINGFIELD, M.J. WINGFIELD AND J. AYLWARD (2019) Mating strategy and mating type distribution of economically important *Teratosphaeria* tree pathogens. 30th Fungal Genetics Meeting, Asilomar, California 12-17 March.

PHASHA, M.M., B.D. WINGFIELD, M.P.A. COETZEE, M.J. WINGFIELD AND E.T. STEENKAMP (2019) *Ras2* affects the virulence of *Fusarium circinatum* on *Pinus patula*. 30th Fungal Genetics Meeting, Asilomar, California 12-17 March.

STEENKAMP, E.T., S. VAN WYK, B.D. WINGFIELD AND N.A. VAN DER Merwe (2019) Genome-wide analyses of Repeat-Induced Point (RIP) mutations in Ascomycota. 30th Fungal Genetics Meeting, Asilomar, California 12-17 March.

VAN DER NEST, M., D. MAILULA, B.D. WINGFIELD AND A. HAMMERBACHER (2019) Genetic basis of fusel alcohol biosynthesis in the Ceratocystidaceae. 30th Fungal Genetics Meeting, Asilomar, California 12-17 March.

VAN DER NEST, M., N.C. SOAL, E.T. STEENKAMP, L. DE VOS AND B.D. WINGFIELD (2019) Genome wide association study of the plant pathogen *Ceratocystis albifundus*. 30th Fungal Genetics Meeting, Asilomar, California 12-17 March.

WILKEN, P.M., A.M. KANZI, E.T. STEENKAMP AND B.D. WINGFIELD (2019) Non-model species challenging the norm: A mating-type locus case study. 30th Fungal Genetics Meeting, Asilomar, California 12-17 March.

WILKEN, P.M., N.N. MASEKO, E.T. STEENKAMP AND B.D. Wingfield (2019) The mating-type locus of *Ophiostoma quercus*. 30th Fungal Genetics Meeting, Asilomar, California 12-17 March.

WINGFIELD, B.D., C TROLLIP, M.A. VAN DER NEST, A.M. KANZI, I BARNES AND T.A. DUONG (2019) Phylogenomic incongruence in *Ceratocystis*: A clue to hybridization? 30th Fungal Genetics Meeting, Asilomar, California 12-17 March.

WINGFIELD, B.D., L. DE VOS, S. VAN WYK, B. SWARLASK-PARRY, M.J. WINGFIELD AND E.T. STEENKAMP (2019) Exploring QTLs linked to growth rate differences in *Fusarium*. 30th Fungal Genetics Meeting, Asilomar, California 12-17 March.

BARNES, I., A. FOURIE, B.D. WINGFIELD AND M.J. WINGFIELD (2019) The rise of *Ceratocystis*: Threats to global forests and forestry**.** Phyllosphere Diseases, A joint meeting of the IUFRO working parties 7.02.02 and 7.02.03 "Shoot, foliage and stem diseases" and "Wilt diseases".

BALLESTEROS, C.Z., B.D. WINGFIELD, J.M. GARCIA AND J.J. DIEZ (2019) Gene expression profile of *Fusarium circinatum in* response to the infection of the putative mycovirus FcMV1. Phyllosphere Diseases, A joint meeting of the IUFRO working parties 7.02.02 and 7.02.03 "Shoot, foliage and stem diseases" and "Wilt diseases".

WINGFIELD, B.D., M. HAVENGA, J. AYLWARD AND M. WINGFIELD (2019) the reproductive strategies of *Teratosphaeria* pathogens of *Eucalyptus* reveal patterns of global diversity and distribution. Phyllosphere Diseases, A joint meeting of the IUFRO working parties 7.02.02 and 7.02.03 "Shoot, foliage and stem diseases" and "Wilt diseases".

WINGFIELD, M.J., BRENDA WINGFIELD, IRENE BARNES, BERNARD SLIPPERS AND EMMA Steenkamp (2019) Leaf and shoot diseases of forest trees: Expanding frontiers. Phyllosphere Diseases, A joint meeting of the IUFRO working parties 7.02.02 and 7.02.03 "Shoot, foliage and stem diseases" and "Wilt diseases".

AYLWARD, J., B.D. WINGFIELD, L.L. DREYER, F. ROETS AND M.J. WINGFIELD (2020) Genetic differences among *Teratosphaeria* leaf and stem pathogens of Eucalyptus**.** Mycological Society of America Meeting, July 22, Virtual Conference.

DE VOS, L., M.A. VAN DER NEST, Q.C. SANTANA, B.D. WINGFIELD AND E.T. STEENKAMP (2020) Chromosome length polymorphism (clp) of a dispensable chromosome in *Fusarium circinatum*. Mycological Society of America Meeting, July 22, Virtual Conference.

DEWING, C., M.A. VAN DER NEST, Q.C. SANTANA, B.D. WINGFIELD, E.T. STEENKAMP AND L. DE VOS (2020) A comparative genomics approach to analyse host-specific genes in agriculturally important *Fusarium* species of the american clade of the FFSC. Mycological Society of America Meeting, July 22, Virtual Conference.

FOURIE, A., R. DE JONGE, M.A. VAN DER NEST, T.A. DUONG, M.J. WINGFIELD, B.D. WINGFIELD AND I. BARNES (2020) Genomic modifications induced by transposable elements have most likely driven host specialisation of two *Ceratocystis* species. Mycological Society of America Meeting, July 22, Virtual Conference.

HAVENGA, M., B.D. WINGFIELD, M.J. WINGFIELD, L.L. DREYER, F. ROETS AND J. AYLWARD (2020) Population structure and reproductive strategy in the eucalyptus foliar pathogen *Teratosphaeria destructans*. Mycological Society of America Meeting, July 22, Virtual Conference.

HERRON, D., M.J. WINGFIELD, B.D. WINGFIELD AND E.T. STEENKAMP (2020) *Fusarium circinatum* origins: variation in strain aggressiveness highlights quarantine risks. Mycological Society of America Meeting, July 22, Virtual Conference.

KRAMER, D., F.A. LANE, E.T. STEENKAMP, B.D. WINGFIELD, P.M. WILKEN (2020) Unidirectional mating-type switching confers self-fertility to *Thielaviopsis cerberus*, the only homothallic member of the genus. Mycological Society of America Meeting, July 22, Virtual Conference.

LANE, F.A., B.D. WINGFIELD P.M. WILKEN (2020) The transferability of agrobacterium-mediated transformation technology amongst species from the family ceratocystidaceae. Mycological Society of America Meeting, July 22, Virtual Conference.

LIU, Q.L. M.J. WINGFIELD, T.A. DUONG, B.D. WINGFIELD AND S.F.CHEN (2020) Identification and pathogenicity of *Calonectria* species from soils in eucalyptus plantations and adjacent natural forests in Fujian province. Mycological Society of America Meeting, July 22, Virtual Conference.

RAMASWE, J., L. DE VOS, E.T. STEENKAMP AND B.D. WINGFIELD (2020) Elucidating the growth of *Fusarium circinatum* towards *Pinus patula* root exudates. Mycological Society of America Meeting, July 22, Virtual Conference.

SEBAPU, L., T.A. DUONG AND B.D. WINGFIELD (2020) Informative markers for delineating species boundaries in *Ceratocystis*. Mycological Society of America Meeting, July 22, Virtual Conference.

SUZUKI, H., S. MARINCOWITZ, B.D. WINGFIELD, M.J. WINGFIELD (2020) Genetic diversity and population structure of *Chrysoporthe deuterocubensis* in south east asia. Mycological Society of America Meeting, July 22, Virtual Conference.

VAN WYK, S., B.D. WINGFIELD, L. DE VOS, N.A. VAN DER MERWE AND E.T. STEENKAMP (2020) Repeat-induced point mutations in the era of genomics. Mycological Society of America Meeting, July 22, Virtual Conference.

VILJOEN, A., T.A. DUONG, AQUILLAH KANZI AND B.D. WINGFIELD (2020) Comparative genomics of the mitochondrial genomes of fungal species in the Ceratocystidaceae. Mycological Society of America Meeting, July 22, Virtual Conference.

WILSON, A.M., M.A. VAN DER NEST, P.M. WILKEN, M.J. WINGFIELD AND B.D. WINGFIELD (2020) Novel mating type gene, mat1-2-7, is essential for ascomatal maturation in huntiella omanensis. Mycological Society of America Meeting, July 22, Virtual Conference.

DANKI, V., E.T. STEENKAMP, L. DE VOS, B. SWALARSK-PARRY, F. MUCHADEYI, N. MCHUNU, Å. OLSEN, B.D. WINGFIELD, M. VAN DER NEST (2022) GWAS for investigating laccase expression in *Ceratocystis albifundus*. 31st Fungal Genetics Meeting, March, Asilomar California.

DE VOS, L., K. LEEUWENDAAL, M. VAN DER NEST, S. VAN WYK, E.T. STEENKAMP, B.D. WINGFIELD (2022) A reciprocal chromosome translocation within the American clade of the *Fusarium fujikuroi* species complex (FFSC). 31st Fungal Genetics Meeting, March, Asilomar California.

DE VOS, L., M. VAN DER NEST, Q. SANTANA, S.VAN WYK, K. LEEUWENDAAL, B.D. WINGFIELD, E.T. STEENKAMP (2022) Telomere-to-telomere genome assemblies for *Fusarium circinatum*. 31st Fungal Genetics Meeting, March, Asilomar California.

HOUGH, B., B.D. WINGFIELD, A.M. WILSON, D.A. READ (2022) Discovery of a novel mycovirus in *Ceratocystis fimbriata*. IUFRO All-Division 7 Conference. 6-9 September, Lisbon, Portugal.

MEINECKE, C.D., L. DE VOS, N. YILMAZ, E.T. STEENKAMP, M.J. WINGFIELD, B.D. WINGFIELD, VILLARI (2022) A field-ready LAMP assay to detect *Fusarium circinatum* from host tissue. IUFRO All-Division 7 Conference. 6-9 September, Lisbon, Portugal.

MOTAUNG, T., C. PEREMORE, Q. SANTANA, B.D. WINGFIELD, E.T. STEENKAMP (2022) Extracellular vesicles of and biofilm formation in a maize fungal pathogen Fusarium verticillioides. 31st Fungal Genetics Meeting, March, Asilomar California.

MOTAUNG, T., F. RATSOMA, Q. SANTANA, B.D. WINGFIELD, E.T. STEENKAMP (2022) Extracellular vesicles and biofilms of the pine tree pathogen *Fusarium circinatum*. 31st Fungal Genetics Meeting, March, Asilomar California.

NARH MENSAH, D., B.D. WINGFIELD, M.P.A. COETZEE (2022) Nonribosomal peptide synthetase gene clusters and characteristics of NRPS-dependent siderophore synthetases in *Armillaria* and other species in the Physalacriaceae. 31st Fungal Genetics Meeting, March, Asilomar California.

NARH MENSAH, D.L., B.D. WINGFIELD, M.P.A. COETZEE (2022) Two distinct NRPS-independent siderophore synthetase gene clusters identified in *Armillaria* species. IUFRO All-Division 7 Conference. 6-9 September, Lisbon, Portugal.

PHASHA, M., M.J. WINGFIELD, B.D. WINGFIELD, M.P.A. COETZEE, E.T. STEENKAMP (2022) Transcriptome analysis of ras2 knockout mutant and wild type *Fusarium circinatum* strains: molecular insights into growth, development and virulence. 31st Fungal Genetics Meeting, March, Asilomar California.

SHAW, P., B. LAURENT, B.D. WINGFIELD, B. SLIPPERS, M.J. WINGFIELD, B. PENAUD, P.W. CROUS, W. BIHON, T.A. DUONG (2022) The latent pine pathogen *Diplodia sapinea* contains two dispensable chromosomes with distinct genomic characteristics. 31st Fungal Genetics Meeting, March, Asilomar California.

SWALARSK-Parry, B., M. van der Nest, L. De Vos, Q. Santana, B.D. Wingfield, E.T. Steenkamp (2022) GWAS for identifying genes associated with virulence in *F. circinatum*. 31st Fungal Genetics Meeting, March, Asilomar California.

SWALARSK-PARRY, B.S., M.A. VAN DER NEST, L. DE VOS, Q. SANTANA, B.D. WINGFIELD, E.T. STEENKAMP (2022) Using GWAS to identify genes associated with virulence in *F. circinatum*. IUFRO All-Division 7 Conference. 6-9 September, Lisbon, Portugal.

VAN HEERDEN, A., N.Q. PHAM, B.D. WINGFIELD, M.J. WINGFIELD, T.A. DUONG, P.M. WILKEN (2022) A LAMP assay for in-field detection of *Elsinoë necatrix*, the causal agent of Eucalyptus scab and shoot malformation. IUFRO All-Division 7 Conference. 6-9 September, Lisbon, Portugal.

VAN WYK, S., P.M. WILKEN, C. HARRISON, F. LANE, D. KRÄMER, E.T. STEENKAMP, B.D. WINGFIELD (2022) MATch Maker: A curated web-portal and database for fungal mating-type sequences. 31st Fungal Genetics Meeting, March, Asilomar California.

WILKEN, P.M., E.T. STEENKAMP, M.J. WINGFIELD, B.D. WINGFIELD (2022) Diverse sexual strategies underpinned by the mating-type locus in the non-model fungal family Ceratocystidaceae. 31st Fungal Genetics Meeting, March, Asilomar California.

WINGFIELD, B.D., A. WILSON, M.J. WINGFIELD (2022) Truncation of MAT1-2-7 gene leads to changes in the pheromone response pathway of *Huntiella omanensis*. 31st Fungal Genetics Meeting, March, Asilomar California.

WINGFIELD, B.D., M.J. WINGFIELD, N. PHAM, I. BARNES, A. DURAN (2022) Characterisation of the mating type loci in *Elsinoe* including the Eucalyptus pathogen *Elsinoe necatrix*. 31st Fungal Genetics Meeting, March, Asilomar California.

WINGFIELD, B.D., M.J. WINGFIELD, T.A. DUONG (2022) Mechanism of cycloheximide resistance in the tree-infesting and bark-beetle associated Ophiostomatalean fungi resolved. IUFRO All-Division 7 Conference. 6-9 September, Lisbon, Portugal.

WINGFIELD, B.D., M.J. WINGFIELD, T.A. DUONG (2022) Mutation in the ribosomal protein gene eL42 results in Cycloheximide resistance in the Ophiostomatales. 31st Fungal Genetics Meeting, March, Asilomar California.

ZAMORA-BALLESTEROS, C., B.D. WINGFIELD, M.J. WINGFIELD, J.M. GARCÍA, J.J. DIEZ (2022) A past mycovirus infection caused a residual effect in the Pine pitch canker pathogen *Fusarium circinatum*. IUFRO All-Division 7 Conference. 6-9 September, Lisbon, Portugal.

**National Conferences**

H.J.J. VAN VUUREN AND B.D. WINGFIELD 1986. Killer Yeasts - the cause of stuck fermentations in a wine cellar. Joint Congress of the South African Biochemical Society, South African Genetics Society and the South African Society for Microbiology, Johannesburg.

NEL, L., B.D. WINGFIELD AND H.J.J. VAN VUUREN 1986. Isolation, enrichment and characterisation of *Leuconostoc oenos* bacteriophages. Joint Congress of the South African Biochemical Society, South African Genetics Society and the South African Society for Microbiology, Johannesburg.

B.H.J. JANSE, B.D. WINGFIELD AND H.J.J. VAN VUUREN 1986. Plasmids in *Leuconostoc oenos.* Joint Congress of the South African Biochemical Society, South African Genetics Society and the South African Society for Microbiology, Johannesburg.

VAN VUUREN H.J.J. AND B.D. WINGFIELD 1986. Die rol van killergiste by slepende gisting in die Suid-Afrikaanse wynbedryf. Suid-Afrikaanse Wingerd- en Wynkundevereniging. Kaapstad.

H.J.J. VAN VUUREN, L. NEL AND B.D. WINGFIELD 1986. Isolering en karakterisering van bakteriofage uit wyn wat trae appelmelksuurgisting toon. Suid-Afrikaanse Wingerd- en Wynkundevereniging. Kaapstad.

NEL, L., B.D. WINGFIELD AND H.J.J. VAN VUUREN 1986. Isolation, enrichment and characterisation of *Leuconostoc oenos* bacteriophages. South African Society for Enology and Viticulture. Cape Town. Congress of the South African Society of Microbiology, CSIR Pretoria.

SOUTHGATE. V., B.D. WINGFIELD, C. VISSER AND I.S. PRETORIUS 1988. Characterisation of a wine yeast immune to the K2 killer toxin. Congress of the South African Society of Microbiology, CSIR Pretoria.

WINGFIELD, B.D., H.J.J. VAN VUUREN AND I.S. PRETORIUS 1988. Genetic Characterisation of killer yeasts from stuck wine fermentations. Congress of the South African Society of Microbiology, CSIR Pretoria.

WOLFAART, J.F., B.D. WINGFIELD AND M.J. WINGFIELD 1990. Analysis of Ribosomal RNA sequences of *Ceratocystis*. Congress of the South African Society of Plant Pathology.

MATTHEE, A., B.D. WINGFIELD AND M.J. WINGFIELD 1990. Characterisation of the *Saccharomyces cerevisiae* killer strain K3'. Congress of the South African Society of Microbiology, Stellenbosch.

WINGFIELD, B.D., M.J. WINGFIELD AND G.H.J. PRETORIUS 1990. Comparison of isolates of *Leptographium wageneri* using ribosomal RNA sequences. Congress of the South African Society of Microbiology, Stellenbosch.

WOLFAART, J.F., B.D. WINGFIELD, M.J. WINGFIELD AND T.J. BRITZ 1990. Determination of phylogenetic relationships in *Ceratocystis* with ribosomal RNA sequence analysis. Congress of the South African Society of Microbiology, Stellenbosch.

VILJOEN, C.D., B.D. WINGFIELD AND M.J. WINGFIELD 1991. A Taxonomic study of the genus *Seiridium* using the polymerase chain reaction. South African Biochemical Society Congress, Pietermaritzburg.

VILJOEN, C.D., B.D. WINGFIELD AND M.J. WINGFIELD 1991. Sequence comparison of *Seiridium* species associated with cypress canker. Congress of the South African Society of Plant Pathology.

WINGFIELD, B.D. 1991. PCR - What are the variables. South African Biochemical Society Congress, Pietermaritzburg.

WOLFAART, J.F., B.D. WINGFIELD AND M.J. WINGFIELD 1991. Phylogenetic relationships in *Ceratocystis* based on ribosomal RNA sequence analysis. Congress of the South African Society of Plant Pathology.

STRYDOM, R.C., B.D. WINGFIELD AND M.J. WINGFIELD 1992. Restriction fragment polymorphism analysis of *Leptographium lundbergii* and *L. truncatum*. Congress of the South African Society of Plant Pathology.

STRYDOM, R.C., B.D. WINGFIELD, AND M. J. WINGFIELD 1992. A comparison of *Leptographium lundbergii* and *L. truncatum* using RFLP analysis of the ribosomal RNA genes. Congress of the South African Society of Microbiology.

VILJOEN, C.D., B.D. WINGFIELD AND M.J. WINGFIELD 1992. Ribosomal RNA genes and their utilisation in fungal taxonomy. Congress of the South African Society of Plant Pathology.

VILJOEN, C.D., B.D. WINGFIELD AND M.J. WINGFIELD 1992. Use of molecular techniques in characterising *Ceratocystiopsis proteae*. Congress of the South African Society of Microbiology.

WINGFIELD, B.D. AND M.J. WINGFIELD 1992. Typification of dried fungal herbarium cultures using molecular techniques. Congress of the South African Society of Microbiology.

WOLFAART, J.F., B.D. WINGFIELD AND M.J. WINGFIELD 1992. Comparison of species of *Ceratocystis S. L.* with hat-shaped ascospores using RFLP analysis. Congress of the South African Society of Plant Pathology.

DE LANGE, W., B.D. WINGFIELD, C.D. VILJOEN AND M.J. WINGFIELD 1993. Use of RAPDs to distinguish between clones of *Eucalyptus grandis*. Biotec SA '93. Grahamstown.

DE LANGE, W., B.D. WINGFIELD, C.D. VILJOEN AND M.J. WINGFIELD 1993. RAPD analysis to distinguish between clones of *Eucalyptus grandis* with varying susceptibility to *Cryphonectria cubensis*. Congress of the South African Society of Plant Pathology.

STRYDOM, R.C., B.D. WINGFIELD AND M.J. WINGFIELD 1993. Sequence analysis of *Leptographium lundbergii* and *L. truncatum*. Congress of the South African Society of Plant Pathology.

VILJOEN, C.D., B.D. WINGFIELD AND M.J. WINGFIELD 1993. Comparison of *Ceratocystiopsis* species based on RFLP analysis. Congress of the South African Society of Plant Pathology.

VISSER, C., B.D. WINGFIELD, C.D. VILJOEN AND M.J. WINGFIELD 1993. Placement of *Ceratocystis autographa* in the ophiostomatales based on DNA sequence comparison. Congress of the South African Society of Plant Pathology.

WINGFIELD, B.D. 1993. Molecular fingerprinting of *Eucalyptus* clones. RAPD workshop, Infruitec Stellenbosch.

WINGFIELD, M.J., AND B.D. WINGFIELD 1993. Biotechnology and tree health in South Africa. Biotec SA '93. Grahamstown.

DE BEER, C., C. VISSER, B.D. WINGFIELD, M.J. WINGFIELD AND G.H.J. KEMP 1994. Comparison of ribosomal RNA sequence of *Ceratocystis fimbriata* from black wattle in South Africa and *C. fimbriata* from other areas. Congress of the South African Society for Plant Pathology.

DE LANGE, W.J., B.D. WINGFIELD AND M.J. WINGFIELD 1994. Relatedness of dsRNA associated with *Cryphonectria cubensis* to dsRNA found in *C. parasitica.* Congress of the South African Society for Plant Pathology.

MARAIS, G.J., M.J. WINGFIELD, C.D. VILJOEN AND B.D. WINGFIELD 1994. A proposal for a new ophiostomatoid genus associated with *Protea* infructescences. Congress of the South African Society for Plant Pathology.

RIEDEL, K-H., B.D. WINGFIELD AND T.J. BRITZ 1994. Justification of the “classical” *Propionibacterium* species concept by restriction analysis of the 16S ribosomal RNA genes. South African Society of Microbiology Congress. Grahamstown.

VAN DER WESTHUIZEN, K., M.J. WINGFIELD, Y. YAMAOKA, C.D. VILJOEN, B.D. WINGFIELD AND G.H.J KEMP 1994. Comparison of *Ophiostoma penicillatum* isolates from Europe, North America and Japan. Congress of the South African Society for Plant Pathology.

VILJOEN, C.D., B.D. WINGFIELD AND M.J. WINGFIELD 1994. Evaluation of morphological characteristics in the taxonomy of ophiostomatoidfungi using cladistics and parsimony. Congress of the South African Society for Plant Pathology.

VISSER, CHRISTA, MICHAEL J. WINGFIELD, BRENDA WINGFIELD, GERT J. MARAIS, YUICHI YAMAOKA 1994. Generic placement of *Ophiostoma polonicum*. Congress of the South African Society for Plant Pathology.

COUTINHO, T.A., M.J. WINGFIELD, B.D. WINGFIELD, L. KOCK, A. BOTHA AND K-H RIEDEL 1995. Biosystematic Services: Department of Microbiology and Biochemistry UOFS. Biotechnology for Africa 95, University of Pretoria, Pretoria.

De Lange, W.J., B.D. Wingfield, I.P. van der Westhuizen and M.J. Wingfield 1995. Preliminary screening of South African isolates of *Cryphonectria cubensis* for the presence of dsRNA. Proceedings of the 33rd Annual Congress of the Southern African Society for Plant Pathology.

Myburg, H., B.D. Wingfield and M.J. Wingfield 1995. Cloning and characterisation of a medium repetitive DNA probe for *Cryphonectria cubensis*. Proceedings of the 33rd Annual Congress of the Southern African Society for Plant Pathology, Thaba'nchu Sun, Thaba'nchu.

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**BIOGRAPHICAL SKETCH**

Brenda Diana Wingfield nee Fairbairn was born in Livingstone, Northern Rhodesia [Zambia] on the 8th December, 1958 and lived there for seven years before her family moved to Hartley [Chegutu] in Rhodesia [Zimbabwe]. She attended Hartley Junior School and her secondary education was obtained from Jameson High School, Gatooma [Kadoma] where she completed her GCE ‘O’ level examinations in 1974 with distinctions in Mathematics, Chemistry, Physics and Biology. This was followed by GCE ‘M’ level in 1975 with a distinction in Biology.

Brenda entered the University of Natal (Pietermaritzburg) in 1976 and obtained a B.Sc. degree in Biochemistry and Genetics in 1978. In 1979 she completed a B.Sc. Med.(Hons) degree at the University of Cape Town Medical School in Medical Biochemistry. In 1980 she filled the position of Technical Officer for the Medical Research Council's Institute for Electron Microscopy. Thereafter, she enrolled for an M.Sc. degree in Biochemistry at the University of Minnesota in 1981 and completed this degree in 1984. Her thesis in partial fulfilment of the degree was entitled "Replication and transcription in cauliflower mosaic virus".

On returning to South Africa in 1984 she accepted a post as research officer in the Department of Biochemistry at the University of Cape Town. In this position, her primary objective was to establish a laboratory to study the molecular biology of histone proteins in sea urchins. In 1986 she moved to the University of Stellenbosch in the position of Research Officer and commenced research on wine killer yeasts. This study was completed at the end of 1988 when she moved to a position as lecturer/researcher in the Department of Microbiology and Biochemistry at the University of the Orange Free State, Bloemfontein. She was awarded her Ph.D. in 1989 by the University of Stellenbosch for her work on the "Molecular characterisation of K2 killer and neutral wine yeasts".

During the ten years that she worked at the University of the Orange Free State Brenda developed a research programme focusing on the molecular taxonomy of fungi causing disease on forest plantation trees and the Forest Molecular Biology Co-operative Programme, which she directed. In 1998 Brenda and her husband Mike moved their combined programmes to the University of Pretoria. Brenda holds a Research Chair in Fungal Genomics and is a Professor in the Dept. Biochemistry, Genetics and Microbiology at the University of Pretoria. She served as Acting and Deputy Dean of the Faculty of Natural and Agricultural Science from 2009-2016. She is the past chairman of the National Science and Technology Forum, previous vice president of the Academy of Science of South Africa and the Secretary General of the International Society of Plant Pathology.

Brenda is married to Michael Wingfield, past President of IUFRO and Mondi Professor of Forest Pathology at the University of Pretoria. They have two children, Anthony (37 years) and Beverley (33 years).