

Nam Q. Pham

Forestry and Agricultural Biotechnology Institute (FABI), University of Pretoria

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Education:

- 2018–2023** Ph.D. (Plant Pathology) – University of Pretoria
Dissertation: “Discovery of the cause and relevance of a serious new *Eucalyptus* foliar disease in Indonesia”
- 2016–2018** M.Sc. (Plant Pathology) – University of Pretoria (*Cum laude*)
Dissertation: “New species of *Calonectria* and *Cylindrocladiella* from Vietnam, Indonesia and Malaysia”
- 2011–2015** B.Sc. (Botany/Mycology) – Vietnam National University - University of Science (*Distinction*)
Dissertation: “Oomycetes species associated with *Acacia* plantation soils in Vietnam”

Professional Experience:

- 2024–current** Postdoctoral Researcher, DSTI-NRF SARChI research chair in Fungal Genomics, Department of Biochemistry, Genetics and Microbiology (BGM), Forestry and Agricultural Biotechnology Institute (FABI), University of Pretoria – Prof. Wingfield BD (with Prof. Wingfield MJ)

Research Interests:

Forest pathology; mycology; fungal diversity; taxonomy, population biology, genetics, genomics of plant pathogenic fungi.

Honors and Awards:

- 2025–2030** Installation Research Projects (UIP-2025-02-9329): *Blue-stain fungal communities in domestic and invasive pine bark beetle populations* (BLUSTA-COM) – awarded by Croatian Science Foundation (co-applicant; PI: Dr. Kovač M)
- 2025** FABI award for Postdoc mentorship/Outstanding contributions (Awarded to best postdoctoral fellow of the year)
- 2025** Knowledge Interchange and Collaboration (KIC) Grants, National Research Foundation (NRF) – Travel grants to attend the 33rd Fungal Genetics Conference, Pacific Grove, CA, USA
- 2024–2028** Postdoctoral Fellowship Award – funded by DSTI-NRF SARChI chair in Fungal Genomics
- 2024** Merit Certificate for Academic – Student Representative Council, University of Pretoria
- 2021** FABian of the year (Awarded to best postgraduate student of the year)
- 2021** FABI Best Creative Art (Awarded to best art piece based on the theme *Biodiversity in Art*)

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| 2019–2020 | University of Pretoria Doctoral Bursary Award (Scholarship to support Ph.D. research) |
| 2018 | Academic Honorary Colours for Master of Science (Given for an M.Sc. of <i>cum laude</i>) |
| 2016–2017 | University of Pretoria Masters Bursary Award (Scholarship to support M.Sc. research) |
| 2015 | Japan-Asia Youth Exchange Program in Science Award (Host University: University of Kitakyushu) |

Peer-Reviewed Publications:

* corresponding/senior author

35. **Pham NQ**, Marincowitz S, Marpaung YMAN, Tarigan M, Wingfield BD, Wingfield MJ (2026) **Two Cryphonectriaceae species from *Eucalyptus* leaves in North Sumatra and their stem inoculation outcomes.** *Fungal Systematics and Evolution* **17**: 69–79 [10.15761/fuse.2026.17.05](https://doi.org/10.15761/fuse.2026.17.05)
34. Nickles GR, Stokes CK, Narh DL, Lynn KMT, Fuqua SR, Bryan C, Allen BM, Bivins CP, Bok JW, Brewer S, Buthelezi ST, Clark JPRM, Coon KL, Corby LR, Coetzee MPA, Dewing C, Duong TA, Harris MA, Keller NP, Kopotsa K, Lane FA, Nichols HL, Nieuwoudt A, Nuñez MA, Medina Munoz ME, Park SC, **Pham NQ**, Ryan KT, Solís M, Vilgalys R, Wallace JM, Wang YW, Wingfield BD, Wingfield MJ, Worley TK, Zallek TA, Zamanian M, Hoeksema JD, Drott MT, Pringle A (2026) **Equipped for success: Genomes and metabolomes of the European *Amanita muscaria* are conserved in its novel South African range.** *New Phytologist* [10.1111/nph.71064](https://doi.org/10.1111/nph.71064)
33. **Pham NQ***, Wingfield MJ, Duong TA, Wingfield BD (2026) **Draft genome sequence of *Elsinoe masingae*: the causal agent of *Eucalyptus* scab in South Africa.** *Australasian Plant Pathology* **55**: 28 [10.1007/s13313-026-01082-5](https://doi.org/10.1007/s13313-026-01082-5)
32. **Pham NQ***, Marincowitz S, Wingfield BD, Crous PW, Santos SA, Durán A, Tarigan M, Wingfield MJ (2026) ***Pseudoteratosphaeria supramediana* sp. nov. (Teratosphaeriaceae, Mycosphaerellales), a new foliar pathogen on *Eucalyptus* in Indonesia.** *Australasian Plant Pathology* **55**: 28 [10.1007/s13313-026-01092-3](https://doi.org/10.1007/s13313-026-01092-3)
31. Coelho MA, David-Palma M, Marincowitz S, Aylward J, **Pham NQ**, Yurkov AM, Wingfield BD, Wingfield MJ, Sun S, Heitman J. (2025) **The complex evolution and genomic dynamics of mating-type loci in *Cryptococcus* and *Kwoniella*.** *PLOS Biology* **23**: e3003417 [10.1371/journal.pbio.3003417](https://doi.org/10.1371/journal.pbio.3003417)
30. **Pham NQ**, Liu FF, Duong TA, Wingfield BD, Chen SF, Wingfield MJ. (2025) **Genetic diversity of *Calonectria reteaudii* isolates from infected *Eucalyptus* leaves and associated soils indicates a phyllosphere origin of the pathogen.** *Forest Pathology* **55**:e70037 [10.1111/efp.70037](https://doi.org/10.1111/efp.70037)
29. **Pham NQ***, Wingfield BD, Marincowitz S, Brawner JT, Hulcr J, Wingfield MJ. (2025) **Cryphonectria canker on *Eucalyptus* in Florida reconsidered.** *Forest Pathology* **55**:e70031 [10.1111/efp.70031](https://doi.org/10.1111/efp.70031)
28. Wingfield MJ, **Pham NQ**, Marincowitz S, Wingfield BD. (2025) **Cryphonectriaceae: Biodiverse and threatening tree pathogens in the tropics and Southern Hemisphere.** *Annual Review of Phytopathology* **63**:553–575 [10.1146/annurev-phyto-121823-030316](https://doi.org/10.1146/annurev-phyto-121823-030316)
27. **Pham NQ**, Marincowitz S, Crous PW, Wingfield MJ. (2025) **Diversity of soil-borne *Gliocladiopsis* from Indonesia, Malaysia and Vietnam.** *Fungal Systematics and Evolution* **16**:81–92 [10.3114/fuse.2025.16.6](https://doi.org/10.3114/fuse.2025.16.6)
26. Marincowitz S, **Pham NQ**, Wingfield BD, Wingfield MJ. (2025) **Microfungi associated with dying quiver trees (*Aloidendron dichotomum*) in South Africa.** *Fungal Systematics and Evolution* **16**:71–80 [10.3114/fuse.2025.16.5](https://doi.org/10.3114/fuse.2025.16.5)
25. Tarigan M, Wingfield MJ, Jami F, Oliveira LSS, Saha MA, Durán A, **Pham NQ***. (2025) **Pathogenicity of *Pythium myriotylum* on *Acacia crassicarpa* and *Acacia mangium* x *Acacia auriculiformis* clones in Indonesia.** *Southern Forests: A Journal of Forest Science* **87**:1–5. [10.2989/20702620.2024.2432863](https://doi.org/10.2989/20702620.2024.2432863)

24. Coelho MA, David-Palma M, Aylward J, **Pham NQ**, Visagie CM, Fuchs T, Yilmaz N, Roets F, Sun S, Taylor JW, Wingfield BD, Fisher MC, Wingfield MJ, Heitman J. (2025) **Decoding *Cryptococcus*: from African biodiversity to worldwide prevalence.** *PLOS Pathogens* **21**:e1012876. [10.1371/journal.ppat.1012876](https://doi.org/10.1371/journal.ppat.1012876)
23. **Pham NQ***, Wingfield BD, Barnes I, Gazis R, Wingfield MJ. (2025) ***Elsinoe* species: The rise of scab diseases.** *Plant Pathology* **74**:39–58. [10.1111/ppa.14015](https://doi.org/10.1111/ppa.14015)
22. van Heerden A, **Pham NQ**, Wingfield BD, Wingfield MJ, Wilken PM. (2024) **Six type-I PKS classes and highly conserved melanin and elsinochrome biosynthetic clusters found in diverse *Elsinoë* species.** *BMC Genomics* **25**:990. [10.1186/s12864-024-10920-z](https://doi.org/10.1186/s12864-024-10920-z)
21. van Heerden A, **Pham NQ**, Wingfield BD, Wingfield MJ, Muro Abad JI, Durán A, Wilken PM. (2024) **LAMP assay to detect *Elsinoë necatrix*; an important *Eucalyptus* shoot and leaf pathogen.** *Plant Disease* **108**:2731–2739. [10.1094/PDIS-01-24-0086-RE](https://doi.org/10.1094/PDIS-01-24-0086-RE)
20. **Pham NQ***, Suzuki H, Duong TA, Wingfield BD, Barnes I, Durán A, Wingfield MJ. (2024) **Cryptic sexual reproduction in an emerging *Eucalyptus* shoot and foliar pathogen.** *Plant Pathology* **73**:1145–1155. [10.1111/ppa.13876](https://doi.org/10.1111/ppa.13876)
19. Tarigan M, Wingfield MJ, Jami F, Marpaung YMAN, Durán A, **Pham NQ***. (2024) **Pathogenicity of *Chrysosporthe deuterocubensis* on *Eucalyptus* in Indonesia.** *Southern Forest: A Journal of Forest Science*. **86**:42–52. [10.2989/20702620.2023.2279054](https://doi.org/10.2989/20702620.2023.2279054)
18. Roux J, Wingfield MJ, Marincowitz S, Solís M, Phungula S, **Pham NQ***. (2024) ***Eucalyptus* scab and shoot malformation: A new disease in South Africa caused by a novel species, *Elsinoe masingae*.** *Forestry: An International Journal of Forest Research*. **97**:327–338. [10.1093/forestry/cpad031](https://doi.org/10.1093/forestry/cpad031)
17. **Pham NQ***, Wingfield MJ, Marincowitz S, Tanga AA, Tili KR, Weldesenbet BK, Hurley BP, Germishuizen I, Lawson SA, Healey MA, Wondafrash M. (2024) **First report of the wattle rust pathogen, *Uromycladium acaciae* (Pileolariaceae, Pucciniales) in Ethiopia.** *Forestry: An International Journal of Forest Research*. **97**:319–326. [10.1093/forestry/cpad040](https://doi.org/10.1093/forestry/cpad040)
16. Wingfield MJ, **Pham NQ**, Marincowitz S, Duong TA, Wingfield BD, Wilson AM. (2024) **Blast from the past: A study of decades-old fungal cultures resolves a long-standing tree disease mystery.** *Journal of Plant Pathology*. **106**:377–384. [10.1007/s42161-023-01502-1](https://doi.org/10.1007/s42161-023-01502-1)
15. Wingfield MJ, Marincowitz S, Barnes I, Tarigan M, Solís M, Durán A, **Pham NQ***. (2023) **First report of phyllode rust on *Acacia crassicaarpa* outside its native range.** *Forest Pathology* **53**:e12839. [10.1111/efp.12839](https://doi.org/10.1111/efp.12839)
14. **Pham NQ***, Duong TA, Wingfield BD, Barnes I, Durán A, Wingfield MJ. (2023) **Characterisation of the mating-type loci in species of *Elsinoe* causing scab diseases.** *Fungal Biology* **127**:1484–1490. [10.1016/j.funbio.2023.11.003](https://doi.org/10.1016/j.funbio.2023.11.003)
13. Tarigan M, Wingfield MJ, Marpaung YMAN, Durán A, **Pham NQ***. (2023) ***Quambalaria eucalypti* found on *Eucalyptus* in Indonesia.** *Forest Pathology* **53**:e12829. [10.1111/efp.12829](https://doi.org/10.1111/efp.12829)
12. Paap T, Marincowitz S, **Pham NQ**, Roets F, Basson RJ, Wingfield BD, Oberlander K, Wingfield MJ. (2023) **A novel species of *Microsphaeropsis* causing cankers on *Rafnia amplexicaulis* in South Africa.** *Fungal Systematics and Evolution* **12**:73–80. [10.3114/fuse.2023.12.05](https://doi.org/10.3114/fuse.2023.12.05)
11. Marincowitz S, **Pham NQ**, Wingfield BD, Roets F, Wingfield MJ. (2023) **Microfungi associated with dying *Euphorbia mauritanica* in South Africa and their relative pathogenicity.** *Fungal Systematics and Evolution* **12**:59–72. [10.3114/fuse.2023.12.04](https://doi.org/10.3114/fuse.2023.12.04)
10. Tarigan M, **Pham NQ***, Jami F, Oliveira LSS, Saha MA, Durán A, Wingfield MJ. (2023) ***Calonectria* species diversity on eucalypts in Indonesia.** *Southern Forests: A Journal of Forest Science* **85**:56–64. [10.2989/20702620.2023.2179441](https://doi.org/10.2989/20702620.2023.2179441)

9. **Pham NQ***, Marincowitz S, Chen SF, Rodas CA, Wingfield MJ. (2022) **Soil-borne *Calonectria* (Hypocreales, Nectriaceae) associated with *Eucalyptus* plantations in Colombia.** *MycKeys* **94**:17–35. [10.3897/mycokeys.94.96301](https://doi.org/10.3897/mycokeys.94.96301)
8. Wingfield BD, Berger DK, Coetzee MPA, Duong TA, Martin A, **Pham NQ**, van den Berg N, Wilken PM, Arun-Chinnappa KS, Barnes I, Buthelezi S, Dahanayaka BA, Durán A, Engelbrecht J, Feurtey A, Fourie A, Fourie G, Hartley J, Kabwe ENK, Maphosa M, Narh Mensah DL, Nsibo DL, Potgieter L, Poudel B, Stukenbrock EH, Thomas C, Vaghefi N, Welgemoed T, Wingfield MJ. (2022) **IMA genome-F17.** *IMA Fungus* **13**:19. [10.1186/s43008-022-00104-3](https://doi.org/10.1186/s43008-022-00104-3)
7. Wingfield MJ, Marincowitz S, **Pham NQ**, Roets F, Paap T, Wingfield BD, Aylward J. (2022) **Cypress canker: An important disease discovered for the first time on a native South African tree.** *Plant Pathology* **71**:1735–1742. [10.1111/ppa.13614](https://doi.org/10.1111/ppa.13614)
6. Solís M, Wingfield MJ, Greyling I, **Pham NQ***. (2022) **A serious shoot and leaf disease caused by *Colletotrichum theobromicola* discovered on eucalypts in South Africa.** *Southern Forests: A Journal of Forest Science* **84**:8–20. [10.2989/20702620.2021.2005454](https://doi.org/10.2989/20702620.2021.2005454)
5. **Pham NQ***, Marincowitz S, Chen SF, Yaparudin J, Wingfield MJ. (2022) ***Calonectria* species, including four novel taxa, associated with *Eucalyptus* in Malaysia.** *Mycological Progress* **21**:181–197. [10.1007/s11557-021-01768-8](https://doi.org/10.1007/s11557-021-01768-8)
4. **Pham NQ**, Marincowitz S, Solís M, Duong TA, Wingfield BD, Barnes I, Slippers B, Muro Abad JI, Durán A, Wingfield MJ. (2021) ***Eucalyptus* scab and shoot malformation: A new and serious foliar disease of *Eucalyptus* caused by *Elsinoe necatrix* sp. nov.** *Plant Pathology* **70**:1230–1242. [10.1111/ppa.13348](https://doi.org/10.1111/ppa.13348)
3. Burgess TI, Dang QN, Le BV, **Pham NQ**, White D, Pham TQ. (2020) ***Phytophthora acaciivora* sp. nov. associated with dying *Acacia mangium* in Vietnam.** *Fungal Systematics and Evolution* **6**:243–252. [10.3114/fuse.2020.06.11](https://doi.org/10.3114/fuse.2020.06.11)
2. **Pham NQ**, Barnes I, Chen SF, Liu FF, Dang NQ, Pham TQ, Lombard L, Crous PW, Wingfield MJ. (2019) **Ten new species of *Calonectria* from Indonesia and Vietnam.** *Mycologia* **111**:78–102. [10.1080/00275514.2018.1522179](https://doi.org/10.1080/00275514.2018.1522179)
1. **Pham NQ**, Barnes I, Chen SF, Pham TQ, Lombard L, Crous PW, Wingfield MJ. (2018) **New species of *Cylindrocladiella* from plantation soils in South-East Asia.** *MycKeys* **32**:1–24. [10.3897/mycokeys.32.23754](https://doi.org/10.3897/mycokeys.32.23754)

Publications in Review/Preprint:

* corresponding/senior author

2. van Heerden A, **Pham NQ***, Duong TA, Wingfield MJ, Wingfield BD (2026) **The genome of the root rot pathogen *Ganoderma philippii* sequenced using a modified DNA extraction protocol.** *Australasian Plant Pathology* (submitted)
1. **Pham NQ***, Marincowitz S, Marpaung YMAN, Tarigan M, Wingfield BD, Wingfield MJ (2026) **Stem canker pathogen *Myrtoporthe bodenii* found on *Eucalyptus* in Indonesia.** *Journal of Phytopathology* (submitted)

Scientific Conferences:

37. van Heerden A, Marincowitz S, Barnard KJ, Venter J, Roux J, Wingfield BD, Wingfield MJ, **Pham NQ** (2026) **Genomic insights into the reproductive biology and population diversity of *Xanthoportha myrticola* (Cryphonectriaceae), an emerging tree pathogen in South Africa.** Fungal Genetic Conference 2026, Pacific Grove, CA, USA.
36. **Pham NQ**, Suzuki H, Marincowitz S, Roets F, Paap T, Kapsosideris N, Wingfield BD, Wingfield MJ (2026) **Fungal Déjà Vu: Two decades of *Immersiporthe knoxdavesiana* (Cryphonectriaceae) canker epidemics driven by clonal pathogen lineages.** Congress of the Southern African Society for Plant Pathology (SASPP), Umhlanga, KZN, South Africa.

35. **Pham NQ**, Marincowitz S, Marpaung YMAN, Tarigan M, Wingfield MJ, Wingfield BD (2026) **A novel *Eucalyptus*-associated *Cryphonectria* (*Cryphonectriaceae*, *Diaporthales*) species from North Sumatra, Indonesia**. 54th Congress of the Southern African Society for Plant Pathology (SASPP), Umhlanga, KZN, South Africa.
34. **Pham NQ**, Fuchs T, Mehrabioon-Mohammadi M, Marincowitz S, Hulcr J, Wingfield BD, Wingfield MJ (2026) **Cryptic *Sporothrix* species associated with native pine bark beetles in Florida, USA**. 54th Congress of the Southern African Society for Plant Pathology (SASPP), Umhlanga, KZN, South Africa.
33. Ceriani C, **Pham NQ**, Wingfield MJ, Wingfield BD (2026) **Whole genome sequence data applied for the first time to interrogate the genetic diversity and population structure of *Chrysosporthe austroafricana***. 54th Congress of the Southern African Society for Plant Pathology (SASPP), Umhlanga, KZN, South Africa.
32. van Heerden A, **Pham NQ**, van der Nest A, Tarigan M, Santos SA, Durán A, Wingfield MJ, Wingfield BD (2026) **A LAMP assay developed to rapidly detect *Ganoderma philippii* in Indonesian *Eucalyptus* plantations**. 54th Congress of the Southern African Society for Plant Pathology (SASPP), Umhlanga, KZN, South Africa.
31. van Heerden A, **Pham NQ**, van der Nest A, Tarigan M, Santos SA, Durán A, Wingfield MJ, Wingfield BD (2026) **Microsatellite marker developed to monitor populations of *Ganoderma philippii***. 54th Congress of the Southern African Society for Plant Pathology (SASPP), Umhlanga, KZN, South Africa.
30. Kovač M, **Pham NQ** (2025) **Ophiostomatoid fungal species associated with pine bark beetles in Mediterranean Croatia**. Conference for the New Generation of Forest Researchers (ForX 2025), Jastrebarsko, Croatia.
29. **Pham NQ**, Wingfield BD, Marincowitz S, Brawner JT, Hulcr J, Wingfield MJ (2024) **The cause of *Cryphonectria* canker on *Eucalyptus* in Florida reconsidered**. SASBi|SAGS BIO2024, University of Pretoria, Pretoria, South Africa.
28. Selebi A, **Pham NQ**, Wingfield BD (2024) **The *MAT1* locus in *Cryphonectria* species**. SASBi|SAGS BIO2024, University of Pretoria, Pretoria, South Africa.
27. Wingfield MJ, Suzuki H, Marincowitz S, **Pham NQ**, Roux J, Wingfield BD (2024) **Emerging new diseases in the *Cryphonectriaceae*: hidden pathogens and unexpected host jumps**. IUFRO 26th World Conference, Stockholm, Sweden.
26. Wilson A, **Pham NQ**, Marincowitz S, Duong TA, Wingfield MJ, Wingfield BD (2024) **From historical cultures to genomic exploration: An investigation into the conifer pathogen *Rhizina undulata***. IUFRO 26th World Conference, Stockholm, Sweden.
25. Aylward J, Coelho MA, David-Palma M, Averette AF, Basson RJ, Marincowitz S, **Pham NQ**, Roets F, Sun S, Heitman J, Wingfield BD, Wingfield MJ (2024) **Exploring the *Cryptococcus wingfieldii* complex: From African scolytine beetles to novel species discovery**. Fungal Genetics Conference 2024, Pacific Grove, CA, USA.
24. **Pham NQ**, Duong TA, Suzuki H, Wingfield BD, Barnes I, Durán A, Wingfield MJ (2024) **The emerging *Eucalyptus* scab and shoot malformation epidemic in North Sumatra defined by panmictic populations of *Elsinoe necatrix***. Fungal Genetics Conference 2024, Pacific Grove, CA, USA.
23. **Pham NQ**, Duong TA, Suzuki H, Wingfield BD, Marincowitz S, Solís M, Barnes I, Muro Abad JI, Durán A, Wingfield MJ (2024) **Lessons learnt from the *Eucalyptus* scab and shoot malformation epidemic in Indonesia**. 53rd Congress of the Southern African Society for Plant Pathology (SASPP), Golden Gate National Park, Clarens, South Africa.
22. **Pham NQ**, Wingfield MJ, Duong TA, Chen SF, Liu FF (2024) **Population genetic analysis of *Calonectria reteaudii* from infected *Eucalyptus* leaves and associated soils suggests a phyllosphere and not a soil-borne origin**. 53rd Congress of the Southern African Society for Plant Pathology (SASPP), Golden Gate National Park, Clarens, South Africa.
21. **Pham NQ**, Marincowitz S, Rodas CA, Wingfield MJ (2024) **Identification of *Cylindrocladiella* species from Colombia soils reveals unexpectedly high diversity and highlights knowledge gaps**. 53rd Congress of the Southern African Society for Plant Pathology (SASPP), Golden Gate National Park, Clarens, South Africa.

20. Barnes I, Aylward J, Solís M, **Pham NQ**, Wingfield MJ (2023) **Important *Eucalyptus* diseases on forest plantations in South Africa**. IUFRO WP 7.02.13 and 7.02.03 meeting, Campo Grande, Mato Grosso do Sul, Brazil.
19. Wingfield MJ, **Pham NQ**, Marincowitz S, Duong TA, Wingfield BD, Wilson A (2023) **Blast from the past: A study of decades-old fungal cultures resolves a long-standing tree disease mystery**. 12th International Congress of Plant Pathology (ICPP), Lyon, France.
18. **Pham NQ**, Suzuki H, Duong TA, Barnes I, Wingfield BD, Duran A, Wingfield MJ (2023) **Genetic diversity of the emerging *Eucalyptus* pathogen *Elsinoë necatrix***. 12th International Congress of Plant Pathology (ICPP), Lyon, France.
17. **Pham NQ**, Barnes I, Muro Abad JI, Durán A, Wingfield MJ (2022) ***Eucalyptus* scab and shoot malformation: An unexpected new threat to plantation forestry globally**. IUFRO Conference Division 7 – Forest Health Pathology and Entomology, Lisbon, Portugal.
16. van Heerden A, **Pham NQ**, Wingfield BD, Wingfield MJ, Duong TA, Wilken PM (2022) **A LAMP assay for in-field detection of *Elsinoë necatrix*, the causal agent of *Eucalyptus* scab and shoot malformation**. IUFRO Conference Division 7 – Forest Health Pathology and Entomology, Lisbon, Portugal.
15. **Pham NQ**, Marincowitz S, Chen SF, Rodas CA, Wingfield MJ (2022) **Soil-borne *Calonectria* species associated with commercial *Eucalyptus* plantation in Colombia**. IUFRO Conference Division 7 – Forest Health Pathology and Entomology, Lisbon, Portugal.
14. Ramírez N, Wingfield MJ, **Pham NQ**, Loitey JM, Pérez M, Pérez CA (2022) **Novel *Calonectria* species associated with a serious leaf disease on native *Ilex paraguariensis* in Uruguay**. IUFRO Conference Division 7 – Forest Health Pathology and Entomology, Lisbon, Portugal.
13. Roux J, **Pham NQ**, Phungula S, Wingfield MJ (2022) **First report of *Elsinoë* scab and shoot malformation disease on *Eucalyptus* in South Africa**. IUFRO Conference Division 7 – Forest Health Pathology and Entomology, Lisbon, Portugal.
12. **Pham NQ**, Barnes I, Muro Abad JI, Durán A, Wingfield MJ (2022) ***Eucalyptus* scab and shoot malformation: A threat to commercial forestry**. 52nd Congress of the Southern African Society for Plant Pathology (SASPP), Future Africa, University of Pretoria, Pretoria, South Africa.
11. **Pham NQ**, Marincowitz S, Chen SF, Rodas CA, Wingfield MJ (2022) ***Calonectria* species associated with *Eucalyptus* plantation soils in Colombia**. 52nd Congress of the Southern African Society for Plant Pathology (SASPP), Future Africa, University of Pretoria, Pretoria, South Africa.
10. Fell S, Paap T, Carstensen GD, **Pham NQ**, Hurley BP, Wingfield MJ (2022) **Previously unknown gall symptoms associated with *Uromycladium acaciae* infection on *Acacia mearnsii***. 52nd Congress of the Southern African Society for Plant Pathology (SASPP), Future Africa, University of Pretoria, Pretoria, South Africa.
9. Solís M, Wingfield MJ, Greyling I, **Pham NQ** (2022) ***Colletotrichum theobromicola* causes a shoot and leaf disease on *Eucalyptus* in South Africa**. 52nd Congress of the Southern African Society for Plant Pathology (SASPP), Future Africa, University of Pretoria, Pretoria, South Africa.
8. van Heerden A, **Pham NQ**, Wingfield BD, Wingfield MJ, Duong TA, Wilken PM (2022) **Development of a LAMP assay for in-field diagnosis of the novel *Eucalyptus* pathogen, *Elsinoë necatrix* using the elsinochrome toxin cluster as a marker**. 52nd Congress of the Southern African Society for Plant Pathology (SASPP), Future Africa, University of Pretoria, Pretoria, South Africa.
7. **Pham NQ**, Duong TA, Wingfield MJ, Barnes I, Durán A, Wingfield BD (2022) **Characterisation of the mating type loci in *Elsinoë* including the *Eucalyptus* pathogen *Elsinoë necatrix***. Fungal Genetics Conference 2022, Pacific Grove, CA, USA.

6. **Pham NQ**, Barnes I, Muro Abad JI, Durán A, Wingfield MJ (2021) **Eucalyptus Scab and Shoot Malformation: An emerging threat to plantation forestry in Southeast Asia**. 3rd IUFRO Acacia 2021 Webinar.
5. **Pham NQ**, Barnes I, Slippers B, Durán A, Wingfield MJ (2020) **Yeast communities associated with a *Eucalyptus* leaf and shoot disease of unknown aetiology in North Sumatra**. MSA 2020: Mycology from the Cloud.
4. **Pham NQ**, Marincowitz S, Barnes I, Wingfield MJ (2019) **Novel soil-borne *Calonectria* species from *Eucalyptus* plantations in Sabah, Malaysia**. 51st Congress of the Southern African Society for Plant Pathology (SASPP), Langebaan, South Africa.
3. Fourie G, Mufamadi ZC, Smith A, Sonnekus B, **Pham NQ**, Willis-Boyum A, van den Berg N (2019) **Characterisation of the causal agents of Macadamia husk rot in South Africa**. 51st Congress of the Southern African Society for Plant Pathology (SASPP), Langebaan, South Africa.
2. **Pham NQ**, Barnes I, Chen SF, Roux J, Pham TQ, Wingfield MJ (2017) **Novel *Calonectria* species from plantation and nursery soils in South-East Asia**. IUFRO 125th Anniversary Congress, Freiburg, Germany.
1. Dang QN, **Pham NQ**, Nguyen HM, Pham TQ (2017) **First report of *Phytophthora cinnamomi* on *Cinnamomum cassia* in Vietnam**. 8th Meeting IUFRO Working Party 7.02.09 - *Phytophthora* in Forests and Natural Ecosystems, Sapa, Vietnam.

Invited Presentations:

5. **Pham NQ** (2024) **Fungi associated with bark beetles in Florida**. Medical Mycology Forum, Stellenbosch, South Africa.
4. **Pham NQ** (2024) **The emerging Eucalyptus scab and shoot malformation epidemic in North Sumatra defined by panmictic populations of *Elsinoe necatrix***. Dothideomycetes Workshop, Fungal Genetics Conference 2024, Pacific Grove, CA, USA.
3. **Pham NQ** (2023) **Eucalyptus scab in Indonesia - lessons learnt**. 34th Annual meeting of the Tree Protection Co-operative Programme (TPCP) and the DSI-NRF Centre of Excellence in Plant Health Biotechnology (CPHB), University of Pretoria, Pretoria, South Africa.
2. **Pham NQ** (2022) ***Elsinoe necatrix* – the “murderess” of the *Eucalyptus* plantation forestry**. NSF Advanced Study Institute on Invasions and Evolution, Pretoria, South Africa.
1. **Pham NQ** (2022) ***Elsinoe necatrix*: An unexpected new threat to *Eucalyptus* around the world**. 33rd Annual meeting of the Tree Protection Co-operative Programme (TPCP) and the DSI-NRF Centre of Excellence in Plant Health Biotechnology (CPHB), University of Pretoria, Pretoria, South Africa.

Advising and Mentoring:

**Postdoc*

2024–2025 Mehrabioon-Mohammadi M (Co-mentor; with Prof. Wingfield BD and Prof. Wingfield MJ)

**Ph.D. Students*

2025–current van Heerden A (Co-advisor; with Prof. Wingfield BD, Prof. Wingfield MJ)

2024–current Ceriani C (Co-advisor; with Prof. Wingfield BD, Prof. Wingfield MJ)

2024–current Kriel W (Co-advisor; with Prof. Coutinho TA)

**M.Sc. Students*

- 2026–current** Gürtel ND (Advisor; with Prof. Wingfield BD, Prof. Wingfield MJ)
2022–2025 Selebi A (Co-advisor; with Prof. Wingfield BD)
2021–2023 van Heerden A (Co-advisor; with Dr. Wilken PM, Prof. Wingfield MJ, Prof. Wingfield BD) – *Cum laude*

**Honours Students*

- 2026** Theron ML (Advisor; with Prof. Wingfield BD)
2025 Gürtel ND (Advisor; with Prof. Wingfield BD) – *Cum laude*

**Undergraduate Students*

DSI-NRF Centre of Excellence in Plant Health Biotechnology (CPHP) Mentorship Programme

- 2026** Strydom R (with van Heerden A)
2025–2026 Barnard KJ (with van Heerden A)
2025–2026 Venter J (with van Heerden A)
2023 Kapsosideris N
2020 Mokhara B
2018 van den Berg M

**Research/Student Assistants*

- 2025–current** Maseko N (Research Assistant; with Dr. Marincowitz S)
2025–current Maake M (Ph.D. Student; with Dr. Marincowitz S)
2025–current Soogun T (M.Sc. Student; with Dr. Marincowitz S)

Teaching Experience:

- 2026** Introductory Microsatellite Workshop – IMW2026 (University of Pretoria) – Facilitator
2026 MCP751 – Research Methods (University of Pretoria) – Teaching Assistant (Prof. Duong TA)
2025 Introductory Microsatellite Workshop – IMW2025 (University of Pretoria) – Facilitator
2023 GTK705 – Research Methods (University of Pretoria) – Teaching Assistant (Prof. Duong TA)
2023 Introductory Microsatellite Workshop – IMW2023 (University of Pretoria) – Facilitator
2022 Introductory Microsatellite Workshop – IMW2022 (University of Pretoria) – Facilitator

International Research Visits and Professional Training:

**Research Visit*

- 2025** *Research visit:* Croatian Forest Research Institute, Croatia – hosted by Dr. Marta Kovač
- 2024** *Sabbatical:* UF/IFAS School of Forest, Fisheries & Geomatics Sciences, University of Florida, USA – hosted by Prof. Jiri Hulcr
- 2018–2024** *Annual Research visit:* Asia Pacific Resources International Holdings (APRIL) and Toba Pulp Lestari (TPL), Royal Golden Eagle (RGE), Indonesia
- 2015** *Study exchange:* University of Kitakyushu, Japan – hosted by Prof. Hidenari Yasui and Prof. Takanori Kihara
- 2013–2015** *Internship:* Forest Protection Research Center - Vietnamese Academy of Forest Sciences, Vietnam

**Additional Professional Training*

- 2025** Using dPCR to address critical questions in forensic DNA analysis – QIAGEN
- 2022** Advanced Study Institute on Invasions and Evolution – funded by National Science Foundation (NSF), USA
- 2016–2023** Phylogenetics workshop; Introductory Microsatellite workshop; Mycology workshop; Metagenomics workshop; STEM Applications Training on qPCR workshop - hosted at University of Pretoria

Service, Peer-review, Professional Affiliations, and Additional Skills:

**Service:*

- 2017–2024** Audio-Visual Specialist – Annual meeting of the Tree Protection Co-operative Programme (TCP) and the DSI-NRF Centre of Excellence in Plant Health Biotechnology (CPHB), University of Pretoria, South Africa
- 2023** Art committee – Forestry and Agricultural Biotechnology Institute (FABI) biannual report (2022/2023)
- 2016–2024** Assistant – CMW Culture Collection, Forestry and Agricultural Biotechnology Institute (FABI)
- 2016, 2018** Member – Social Club, Forestry and Agricultural Biotechnology Institute (FABI)

**Professional Societies:*

- Southern African Society for Plant Pathology (SASPP), South African Genetics Society (SAGS), Mycological Society of America (MSA), Genetics Society of America (GSA)

**Peer-review for Scientific Journals:*

- Scientific Reports, Journal of Plant Pathology, Fungal Biology, Journal of Phytopathology, Fungal Systematics and Evolution, IMA Fungus, BMC Microbiology, Plant Disease, European Journal of Plant Pathology, Australasian Plant Pathology, Plant Pathology

**Additional Languages:*

- Vietnamese, working knowledge of Spanish, Linux

References:

Prof. Michael J. Wingfield (e-mail: mike.wingfield@fabi.up.ac.za)

Advisor to the Executive: University of Pretoria

Founding director and Professor: Forestry and Agricultural Biotechnology Institute (FABI), University of Pretoria

Past President: International Union of Forest Research Organisations (IUFRO)

Prof. Brenda D. Wingfield (e-mail: brenda.wingfield@fabi.up.ac.za)

DSTI-NRF SARCHI research chair in Fungal Genomics

Professor: Forestry and Agricultural Biotechnology Institute (FABI), University of Pretoria

Prof. Bernard Slippers (e-mail: bernard.slippers@fabi.up.ac.za)

Director and Professor: Forestry and Agricultural Biotechnology Institute (FABI), University of Pretoria

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