

# Nam Q. Pham

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

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## Education:

- 2018–2024** 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, Department of Biochemistry, Genetics and Microbiology (BGM), Forestry and Agricultural Biotechnology Institute (FABI), University of Pretoria – with Prof. Brenda D. Wingfield and Prof. Michael J. Wingfield

## Research Interests:

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

## Honors and Awards:

- 2024–2026** Postdoctoral Fellowship Award – funded by DST-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*)
- 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 *cum laude*)

- 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, Japan)

### **Peer-Reviewed Publications:**

\* corresponding/senior author

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 crassifarpa* 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, *Uromykladium 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

3. **Pham NQ**, Marincowitz S, Marpaung YMAN, Tarigan M, Wingfield BD, Wingfield MJ (2025) **Hidden in plant sight: Novel endophytic Cryphonectriaceae from *Eucalyptus* and their relative pathogenicity.** *Fungal Systematics and Evolution* (submitted)
2. **Pham NQ\***, Marincowitz S, Wingfield BD, Crous PW, Santos SA, Durán A, Tarigan M, Wingfield MJ (2025) ***Pseudoteratosphaeria supramediana* sp. nov. (Teratosphaeriaceae, Mycosphaerellales), a new foliar pathogen on *Eucalyptus* in Indonesia.** *Australasian Plant Pathology* (submitted)
1. 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 (2025) **Equipped for success: Genomes and metabolomes of the European *Amanita muscaria* are conserved in its novel South African range.** *New Phytologist* (submitted)

#### Scientific Conferences:

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 26<sup>th</sup> 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 26<sup>th</sup> 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**. 53<sup>rd</sup> 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**. 53<sup>rd</sup> 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**. 53<sup>rd</sup> 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**. 12<sup>th</sup> 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 *Elsinoe necatrix***. 12<sup>th</sup> 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**. 52<sup>nd</sup> 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**. 52<sup>nd</sup> 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***. 52<sup>nd</sup> 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**. 52<sup>nd</sup> 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**. 52<sup>nd</sup> 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 *Elsinoe* including the *Eucalyptus* pathogen *Elsinoe 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**. 3<sup>rd</sup> 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**. 51<sup>st</sup> 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**. 51<sup>st</sup> 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 125<sup>th</sup> Anniversary Congress, Freiburg, Germany.
1. Dang QN, **Pham NQ**, Nguyen HM, Pham TQ (2017) **First report of *Phytophthora cinnamomi* on *Cinnamomum cassia* in Vietnam**. 8<sup>th</sup> 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**. 34<sup>th</sup> 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**. 33<sup>rd</sup> 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)

#### *\*Master Students*

**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*

**2025** Gürtel ND (Advisor; with Prof. Wingfield BD)

#### *\*Undergraduate Students*

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

**2025** Barnard K (with van Heerden A)

**2025** Venter J (with van Heerden A)

**2023** Kapsosideris N

**2020** Mokhara B

**2018** van den Berg M

#### *\*Research/Student Assistants*

**2025–current** Maseko N

**2025** Maake M (Ph.D. Student; with Dr. Marincowitz M)

**2025** Soogun T (M.Sc. Student; with Dr. Marincowitz M)

### **Teaching Experience:**

**2025** Introductory Microsatellite Workshop – IMW2025 (University of Pretoria) – Facilitator

**2023** GTK705 - Genome Analysis (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*

- 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:*

- 2023–current**    Art committee – Forestry and Agricultural Biotechnology Institute (FABI) biannual report (2022/2023; 2024/2025)
- 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
- 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

*\*Additional Languages:*

- Vietnamese, working knowledge of Spanish, Linux

**References:**

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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](mailto:brenda.wingfield@fabi.up.ac.za))*

DST-NRF SARChI research chair in Fungal Genomics

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

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