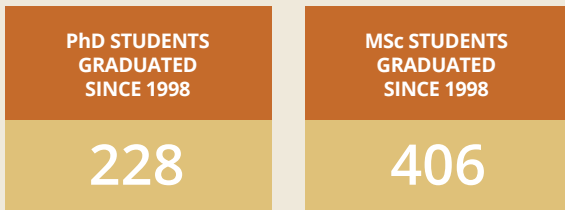
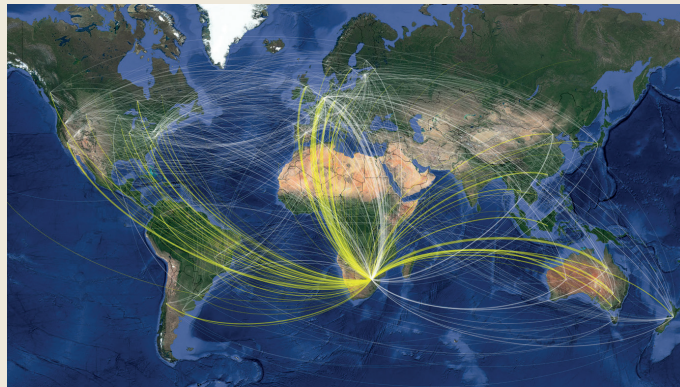


# FABI IN A NUTSHELL

The Forestry and Agricultural Biotechnology Institute (FABI) at the University of Pretoria is a postgraduate training and research institute that was established in 1997, based on a recognition that the future of forestry and agriculture in South Africa will strongly depend on the incorporation of new and emerging technologies into these industries. Major opportunities for these industries have emerged in recent times, from the applications of biotechnology and information sciences to many others.



## WORLDWIDE COLLABORATION



Map depicting FABI research collaborations based on joint journal publications. Yellow lines indicate papers where a FABIan is the first author. Line thickness represents the number of papers.

The association of FABI with the University of Pretoria, the largest residential University in South Africa, provides access to a wide range of human and technological resources. Talent from the Departments of Biochemistry Genetics and Microbiology, Chemistry, Computer Science, Plant and Soil Science, Physics, and Zoology and Entomology are associated with FABI – affording us the opportunity to build future resources in biotechnology and information technology which will be crucial to the future of forestry and agriculture in South Africa.

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### CLARIVATE ANALYTIC GLOBAL HIGHLY CITED RESEARCHERS

Prof. Mike Wingfield  
Prof. Bernard Slippers  
Prof. Pedro Crous

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### STAFF AND RESEARCHERS 2023

37 Full time academic staff  
23 External research associates  
19 Postdoctoral/research fellows  
86 PhD students  
102 MSc students  
27 Hons students  
10 Interns  
45 Professional support staff

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### NRF RATINGS

3 A-ratings  
7 B-ratings  
21 C-ratings  
3 P-ratings  
5 Y-ratings

### RESEARCH OUTPUT



**FABI, in every way, represents an amalgamation of a tremendous base of expertise in forestry and agriculture from different universities and research organisations in South Africa and other countries in the world, as well as partners in industry and government.**

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### RESEARCH GROUPS

- African Plant Systems Biology for the Bioeconomy (APSB)
- Applied Mycology
- Bacterial Genomics and Host Pathogen Interactions
- Biophysics
- Citrus Preharvest Disease Research Programme
- Crop Floral Biology and Environments (CFBE)
- DSI-NRF Centre of Excellence in Plant Health Biotechnology (CPHB)
- DSI-NRF SARChi Chair, Fungal Genomics
- Endophyte Ecology
- Eucalyptus and Pine Pathogen Interactions (EPPI)
- Forest Molecular Genetics (FMG) Programme
- Grain Research Programme (GRP)
- Hans Merensky Chair in Avocado Research
- Kiwifruit Protection Programme (KPP)
- Macadamia Protection Programme (MaPP)
- Molecular Plant-Pathogen Interactions (MPPI)
- Molecular Plant Physiology
- Phylobacteriology
- Plant Virology
- Potato Pathology Programme @UP
- Social Insects Research Group (SIRG)
- Systematics and Evolution of Symbiotic Nitrogen-Fixing Bacteria
- Tree Protection Co-operative Programme (TPCP)

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### SATELLITE LABS AND INTERNATIONAL PROGRAMMES

- Satellite Lab in Applied Chemical Ecology
- Satellite Lab in Artificial Intelligence in Farming
- Satellite Lab in Remote Sensing of Plant Health
- RIFT-FABI Tree Protection Programme (RFTPP)
- RGE-FABI Tree Health Programme

### PRIMARY OBJECTIVES

- Promote the broad field of plant biotechnology and information technology through an interdisciplinary approach and with close linkage to a wide range of academic departments.
- Undertake research of the highest possible calibre, while at the same time providing short and longer term benefits to the forestry and agricultural sectors of South Africa.
- Establish partnerships with industries linked to agriculture and forestry, both nationally and internationally.
- To produce new and improved products and services, thus to promote competitiveness in business.
- Promote education, particularly of South Africans, in the fields of forestry and agriculture.