

FABI IN A NUTSHELL

The Forestry and Agricultural Biotechnology Institute (FABI) at the University of Pretoria is a postgraduate research institute that was established in 1997. This was based on the recognition that the future of forestry and agriculture in South Africa (and globally) will depend strongly on new and emerging technologies and world-class Science. Since the establishment of FABI, many important opportunities have emerged for agriculture and forestry from research conducted in the Institute. These especially concern the applications of a wide range of biotechnological innovations capturing the power of DNA-based technologies, bioinformatics and related fields.



RESEARCH OUTPUTS (up to October 2020)

Papers published: 1832

H-index: 82

Number of citations: 39 248

PhD students graduated: 211

MSc students graduated: 332



WORLDWIDE COLLABORATION



Map depicting research collaboration based on joint journal publications. Yellow lines indicate papers where a FABIan is the first author. White lines indicate papers on which we have collaborate but where another institution has the lead author. Line thickness represents the number of papers



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RESEARCH GROUPS

FABI promotes research to support various industries linked to forestry and agriculture

- ❖ AFRICAN PLANT SYSTEMS BIOLOGY FOR THE BIOECONOMY
- ❖ APPLIED CHEMICAL ECOLOGY
- ❖ APPLIED MYCOLOGY
- ❖ AVOCADO RESEARCH PROGRAMME (ARP)
- ❖ BACTERIAL GENOMICS AND TREE HEALTH
- ❖ CEREAL FOLIAR PATHOGEN RESEARCH
- ❖ CERC-FABI TREE PROTECTION PROGRAMME (CFTPP - CHINA)
- ❖ CROP FLORAL BIOLOGY AND ENVIRONMENT
- ❖ DSI-NRF CENTRE OF EXCELLENCE IN PLANT HEALTH BIOTECHNOLOGY (CPHB)
- ❖ DSI-NRF SARCHI CHAIR IN FUNGAL GENOMICS
- ❖ EUCALYPTUS AND PINE PATHOGEN INTERACTIONS
- ❖ FOREST MOLECULAR GENETICS (FMG) PROGRAMME: WOODY BIOMASS FOR THE BIOECONOMY
- ❖ GRAIN RESEARCH PROGRAMME
- ❖ MACADAMIA PROTECTION PROGRAMME
- ❖ MOLECULAR PLANT-PATHOGEN INTERACTIONS (MPPI)
- ❖ MOLECULAR PLANT PHYSIOLOGY RESEARCH GROUP
- ❖ PHYTOBACTERIOLOGY PROGRAMME
- ❖ PLANT VIROLOGY
- ❖ POTATO PATHOLOGY RESEARCH PROGRAMME
- ❖ PSHB RESEARCH NETWORK
- ❖ RGE-FABI TREE HEALTH PROGRAM (INDONESIA)
- ❖ SEED SCIENCE AND PATHOLOGY OF FLOWERS, TREES AND AGRONOMIC CROPS
- ❖ SOCIAL INSECT RESEARCH GROUP
- ❖ TREE PROTECTION CO-OPERATIVE PROGRAMME (TPCP)

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SATELLITE LABS

- ❖ APPLIED CHEMICAL ECOLOGY
- ❖ REMOTE SENSING OF PLANT HEALTH
- ❖ ARTIFICIAL INTELLIGENCE IN FARMING



STAFF AND RESEARCHERS (Current)

FULL-TIME ACADEMIC STAFF	EXTERNAL RESEARCH ASSOCIATES	POST-DOCTORAL/ RESEARCH FELLOWS	ADMIN / TECHNICAL AND SUPPORT STAFF	PHD STUDENTS	MSc STUDENTS
35	21	44	39	77	97

FABI

FABI scientists undertake goal-directed research, in partnership with major players in the forestry and agricultural sectors in South Africa and in so doing promote both human capital and industrial development in the country.

Being based at the University of Pretoria provides FABI with the capacity to build future human resources in biotechnology, that are crucial to the future of forestry and agriculture in South Africa. It also enables collaboration and linkage with the majority of statutory bodies undertaking research in the plant and animal sciences.

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CLARIVATE ANALYTIC GLOBAL HIGHLY CITED RESEARCHERS



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

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NRF-RATINGS

- 3** A-RATINGS
- 7** B-RATINGS
- 5** C-RATINGS
- 7** Y-RATINGS
- 3** P-RATINGS