



SCIENCE  
NATUURWETENSAPPE  
EYOBUNZULULWAZI

## Boek gedenk 100 jaar van natuurwetenskappe by US



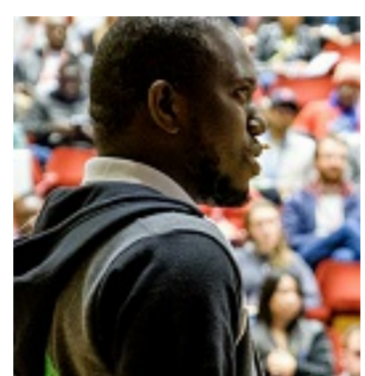
'n Gedenkboek wat die spoor volg van die eerste pioniers wat die grondleggingswerk gedoen het vir opleiding en navorsing in die natuurwetenskappe by die US, is vanaf 1 Oktober 2018 beskikbaar. Hierdie gedenkboek, 'n *Besonderse Denkwyse, Fakulteit Natuurwetenskappe, Universiteit Stellenbosch 1918-2018*,

dokumenteer ook die bydraes van verskeie individue in die vestiging van navorsingsvelde soos kernfisika en polimeerwetenskap in Suid-Afrika.

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## Africa needs fundamental research in machine learning



Fundamental research in Artificial Intelligence and machine learning is essential if Africa wants to have control over some of the really big ideas in the world.

This is the message from Dr Nando de Freitas, one of the world's leading thinkers in machine learning and principal scientist at Deepmind. This South African presented the keynote

address at the 2018 Deep Learning Indaba which took place at SU from 9 to 14 September 2018.

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## Uitheemse dennebome het Knysna-brand aangevuur



Die vervanging van natuurlike fynbosplantegroei met uitheemse denneboomplantasies in die Suid-Kaap, en die gepaardgaande indringing van die omringende grondgebied deur hierdie bome, het die felheid van die 2017 Knysna-brande aansienlik vermeerder.

Dit is een van die bevindings van 'n studie wat in die vaktydskrif *Fire Ecology* gepubliseer is deur 'n navorsingspan van die SIB by die US, die Nelson Mandela Universiteit, SANParks, en die WNNR.

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## SU Botanical Garden has new curator

Dr Donovan Kirkwood has been appointed as the new curator at the internationally accredited\* Stellenbosch University (SU) Botanical Garden. He took up the position on 1 October 2018.

"I'm very excited about the position. I've worked in the biodiversity conservation sector for a long time, but I really enjoy growing plants for fun. This job is a fantastic mix of two great passions", said Kirkwood.

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### In this issue

- [Wiskunde-studente vaar goed by IMC](#) [Lees](#)
- [SU scientists win prestigious national awards](#) [Read](#)
- [US wys 100 maniere om impak te hê](#) [Lees](#)
- [Top achievers in Applied Mathematics](#) [Read](#)

### In other news

#### Getting citizen science into SA classrooms

A group of researchers and educators interested in developing Citizen Science outreach projects participated in a three-day workshop at SU. With this workshop, SU's Department of Earth Sciences, in collaboration with North Carolina State University and the Western Cape Education Department, planned to foster the development of [Citizen Science](#) projects within Western Cape and South African classrooms.

#### Bekendstelling van Marloth-versameling

'n Kosbare versameling van die oorspronklike [botaniese illustrasies](#) wat tussen 1912 en 1932 vir drukwerk in Rudolf Marloth se *Flora of South Africa* voorberei is, is nou deur die US-biblioteek gedigitaliseer.

#### Award for science communication

[Dr Rehana Malgas-Enus](#), from the Department of Chemistry and Polymer Science at SU, received an award from the National Research Foundation (NRF) for her outstanding contributions to public engagement with science and for making science and technology more accessible to the public.

#### Mikrobes vasgevang in lewendige uitstalling

Sewe verskillende bakterieë en verskeie gisse en fungi wat algemeen rondom – en binne – ons voorkom, is gebruik om 'n [lewendige mikrobiese uitstalling](#) te skep wat vir 'n week lank besigtig kon word in 'n glaskabinet in die foyer van die JC Smuts gebou.

#### SU brings biodiversity and community together

The [Ingungcu Initiative](#), named after the Xhosa word for "birds with long beaks", aims to re-open a migration corridor for nectar-feeding birds across the City of Cape Town by planting gardens of bird-pollinating plants on school grounds.