

## Afrika-Unie vereer uitgelese US indringerbioloog



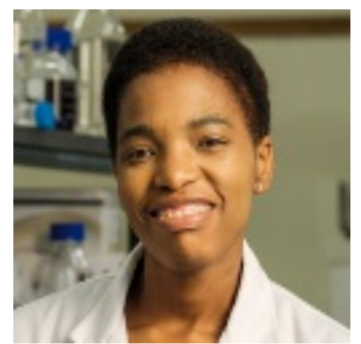
Prof. Dave Richardson van die [DWT- NNS Sentrum van Uitnemendheid in Indringerbiologie](#) (SIB) by die US, en 'n wêreldklas navorsers op die gebied van indringerbiologie, is die ontvanger van die 2018 [Kwame Nkrumah toekenning vir wetenskaplike uitnemendheid](#). Hierdie toekenning is een van drie wat jaarliks deur die

[Kommissie van die Afrika-Unie](#) gegee word om uitstaande wetenskaplikes van die Afrika-kontinent te vereer vir hulle prestasies, ontdekkings en innovasies.

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## Former SciMathUS student achieves PhD excellence



"You can't get extraordinary results through ordinary effort. You need to go the extra mile. Be resilient and find that one motivation that keeps you going." This is the advice from Claudia Ntsapi, who received a PhD in Physiology. After matriculating from Kliptown Secondary School in 2007, Ntsapi wanted to study Chemical

Engineering but needed to improve her marks. She then enrolled for the bridging programme, [SciMathUS](#), which stands for Science and Mathematics at the University of Stellenbosch.

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## Matie ontwikkel probiotikum vir hoenders



'n Probiotikum vir braaikuikens, met die mikrobioom van vrylopende hoenders as grondslag, is suksesvol ontwikkel en gepatenteer deur 'n PhD-student in mikrobiologie by die US se Fakulteit Natuurwetenskappe. Deon Neveling, wat sy doktorsgraad by die US se Desember-graduateplegtigheid ontvang het, sê 'n

mens moet letterlik "sterk staan" om hierdie tipe navorsing te kan doen. Boonop moet jy ook dikwellig wees en probeer om almal wat 'n eiertjie te lê het oor die stank van jou werkstasie, te ignoreer.

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## Real-time translation of sheet music to braille in classroom

A Computer Science student from SU, Cameron Raven, developed a software programme that can translate sheet music to Braille and vice versa in real time.

Cameron developed the system specifically to assist in the teaching of music up to Grade 3 level at the [Pioneer School](#) for the Visually Impaired in Worcester. The work was done as part of his BSc Honors project in Computer Science under the guidance of [Professor Lynette van Zijl](#), well-known for her work on computer-assisted technologies for the blind and deaf.

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### In other news

#### New crab species discovered in Eastern Cape

A new 'pearl white' freshwater crab species has been discovered in the 'forgotten' Eastern Cape forests of South Africa. [Prof. Savel Daniels](#), a molecular taxonomist at SU, says crabs are relatively well studied in South Africa but for some reason forests have been neglected in sampling efforts.

#### Drie wetenskaplikes ontvang kanselierstoekennings

Drie akademici in die Fakulteit Natuurwetenskappe is met die US se Kanselierstoekenning vereer. [Prof. Jannie Hofmeyr](#) en [prof. Emile van Zyl](#) het erkenning ontvang vir volgehoute uitmuntende navorsing gedurende hul loopbane, terwyl [prof. Ingrid Rewitzky](#) die toekenning vir uitstaande leer en onderrig ontvang het.

#### SA report on biological invasions a world first

Two ecologists from SU, [Prof. Brian van Wilgen](#) and [Prof. John Wilson](#), were the lead authors of South Africa's first national report on the status of invasive species, published by the South African National Biodiversity Institute (SANBI) end of 2018. The report, [The Status of Biological Invasions and their Management in South Africa 2017](#), is also the first such country-level assessment anywhere in the world that focuses specifically on biological invasions.

#### Fakulteit se 2018 Havengapryswenners

Twee wetenskaplikes van die Fakulteit, [prof. Emile van Zyl](#) en [prof. Ben Herbst](#), het die Havengaprys vir onderskeidelik Lewenswetenskappe en Fisiese Wetenskappe van die [Suid-Afrikaanse Akademie vir Wetenskap en Kuns](#) ontvang. Die Havengaprys is 'n jaarlikse prestigeprys vir oorspronklike navorsing op natuurwetenskaplike vlak en kan net een maal aan 'n individu toegeken word.

#### Zambezi Valley may soon be too hot for tsetse flies

A new study, based on 27 years of data from [Mana Pools National Park](#) in Zimbabwe, suggests that temperature increases over the last three decades have already caused major declines in local populations of tsetse flies. This [analysis](#), published in the journal *PLoS Medicine*, provides a first step in linking temperature to the risk of [sleeping sickness](#) in Africa.