



## Prof Teresa Coutinho

Prof Coutinho is professor in die Departement Mikrobiologie en Plantpatologie en die Instituut vir Bosbou- en Landboutegnologie (IBLB) in die Fakulteit Natuur- en Landbouwetenskappe. Haar navorsingbelangstellings sluit woudpatologie in en in die besonder bakteriese boompatogene. Prof Coutinho was die eerste wat die genoom van 'n plantpatogeen in Afrika gesekwenseer het en sy is 'n gesaghebbende oor die taksonomie en patogenisiteit van die genus *Pantoea*. Sy was leier van die groep wat onlangs verskeie voorstelle vir nuwe bakteriese spesies gepubliseer het. Hierdie publikasies het genera ingesluit wat nie gewoonlik as bakteriese plantpatogene geklassifiseer word nie (*Tatumella*, *Lonsdalea*), sowel as beter bekende plantpatogeniese bakteriegenera (*Pantoea*, *Pectobacterium*).

Sy was betrokke by die studieleiding van 17 PhD- en 37 MSc-studente, waarvan 14 PhD- en 26 MSc-studente reeds afgestudeer het. Haar h-indeks is 24 en sy was die outeur of mede-outeur van 110 publikasies in portuurbeoordeelde en ISI-gegradeerde vaktydskrifte. Sy het etlike hoofstukke bygedra tot boeke, onder meer *Bacterial diseases of plants in South Africa*, wat in 2009 verskyn het. Sy was ook die senior redakteur van die boek. Sy is betrokke by verskeie professionele liggame, in besonder as lid van die redaksie van *Southern Forests* en die e-vaktydskrif *Plant Pathology*. Sy was voorsitter van die reëlingskomitee van die 2de internasionale 'Erwinia'-werkgroep in Réunion in 2010 en vorige sameroeper van die assesseringspaneel vir Mikrobiologie en Plantpatologie van die Nasionale Navorsingstigting. Sy is lid van die komitee van die Internasionale Vereniging van Plantpatogenie wat belas is met die opstel van 'n taksonomie van fitopatogeniese bakterieë. Van 2011 tot 2014 is sy president van die Suid-Afrikaanse Vereniging vir Plantpatologie.

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Prof Coutinho is a professor in the Department of Microbiology and Plant Pathology and the Forestry and Agricultural Biotechnology Institute (FABI) in the Faculty of Natural and Agricultural Sciences. Her research interests include forest pathology, specifically bacterial tree pathogens. Prof Coutinho sequenced the genome of the first plant pathogen in Africa and is an authority on *Pantoea* taxonomy and pathogenicity. She led the group that recently published several proposals for new bacterial species. These publications included genera that are unusual for bacterial plant pathogens (*Tatumella*, *Lonsdalea*), as well as better known plant pathogenic bacterial genera (*Pantoea*, *Pectobacterium*).

She has been involved in the training of 17 PhD and 37 MSc students of which 14 PhD and 26 MSc students have completed their degrees. Prof Coutinho has an h-index of 24, and has authored or co-authored 110 publications in peer-reviewed, ISI-rated journals. She has written a number of chapters in books, including *Bacterial diseases of plants in South Africa*, published in 2009, of which she was the senior editor. Prof Coutinho is involved in several professional bodies, notably as an editorial board member of *Southern Forests* and the e-journal *Plant Pathology*. She was chairperson of the organising committee of the 2nd International 'Erwinia' workshop in Reunion in 2010, and past convener of the NRF assessment panel for Microbiology and Plant Pathology. She is a member of the International Society for Plant Pathology Plant Bacterial Taxonomy Committee, and is the current president of the Southern African Society for Plant Pathology (2011–2014).

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Prof Coutinho ke moprofesa wa Kgoro ya Maekropayolotši le Patolotši ya Dimela, le ka Instiṡhuteng ya Payotheknolotši ya Temo le Dithokgwa (FABI) ka Lefapheng la Thutamahlale a Temo le Tlhago. Dikgahlego tša gagwe tša dinyakiṡiṡo di akaretṡa patolotši ya dithokgwa, kudu dipatotšene tša paktheria ya mehlare. Prof Coutinho o latelantše ditšenome tša patotšene ya mathomo ya dimela mo Afrika ebile ke gomangkanna wa theksonomi ya *Pantoea* le bopatotšene. O etile pele sehlopha seo se sa tšwago go gatiṡa dikakanyo tše mmalwa tša mehuta e meswa ya paktheria. Dikgatiṡo tše di akaretṡa tšenera (genera) yeo e sego ya tlwaelega ya dipatotšene tša dimela tša paktheria (*Tatumella*, *Lonsdalea*), le yona tšenera ya paktheria ya patotšene ya dimela ya go tsebega kudu (*Pantoea*, *Pectobacterium*).

O kgathile tema tlhahlong ya baithuti ba PhD ba 17 le ba MSc ba 37 bao go bona baithuti ba PhD ba 14 le ba MSc ba 26 ba phethilego ditikrii tša bona. Prof Coutinho o na le h-intekse ya 24, gomme mo mengwageng ye mehlano ya go feta o ngwadile goba go ngwala mmogo dikgatiṡo tše 110 ka gare ga ditšenale tša go sekwasekwa ke ba mphato wa gagwe, tša maemo a ISI. O ngwadile dikgaolo tša go balega ka gare ga dipuku, go akaretṡwa *Bacterial diseases of plants in South Africa*, ya go gatiṡwa ka 2009, yeo a bego a le morulaganyimogolo wa yona. Prof Coutinho o kgatha tema mekgatlong ye mmalwa ya profesenale, mohlala bjalo ka leloko la boto ya borulaganyi bja *Southern Forests* le e-tšenale ya *Plant Pathology*. O bile modulasetulo wa komiti ya dipeakanyo tša wekšopo ya 'Erwina' ya boditšhabatšhaba go la Reunion ka 2010, gape ke morapapitšo wa maloba wa sehlopha sa kelo sa NRF sa Maekropayolotši le Patolotši ya Dimela. Ke leloko la Mokgatlo wa Boditšhabatšhaba wa Komiti ya Theksonomi ya Paktheria ya dimela tša Patolotši ya Dimela, ebile ke Mopresidente wa bjale wa Mokgatlo wa Borwa bja Afrika wa Patolotši ya Dimela (2011–2014).