

STAFF PROFILE CONTENT BRIEF

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DESIGNATION

(Professor)



Title & Name: Prof Nirmala Deenadayalu

Qualification & Institution: PhD Chemistry (UND)

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Campus: Steve Biko

Area of Expertise: Thermodynamics; Ionic Liquids, Biomass Processing

Bio: I have 26 ½ years academic experience as a Demonstrator, Lecturer, Senior Lecturer, Associate and Full Professor. The latter position I have held since Dec 2011. I have published 56 peer-reviewed journal articles.

Together with my post graduate students the research group has presented 78 national and international conference poster or oral presentations. I have graduated 2 PhD and 16 Masters students and supervised 5 post-doctoral fellows. I'm currently supervising 3 PhD and 6 Masters students and a NRF C2 rated scientist.

I have peer reviewed research papers for a number of international journals and examined a number of Masters and PhD thesis. I have visited the following international universities: Delhi University, India 2009; Warsaw University of Technology, Poland 2011; University of Campinas, Brazil 2012; Kurukshetra University, India 2014; Imperial College, UK 2016; Hamburg University of Technology, Germany 2016 and have numerous local and international collaborations.

Most of the research funding (\pm R 6 million) that I have leveraged was from NRF and DUT.

My research area is in thermodynamics, ionic liquids, biomass processing and biogas production. Currently biomass valorisation for sustainable development has attracted a number of postgraduate students.