

STAFF PROFILE CONTENT BRIEF

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FACULTY OF
APPLIED
SCIENCES



DESIGNATION

(HEAD OF DEPARTMENT)



Title & Name: Associate Professor and Acting Head of Department

Qualification & Institution : DTech – Durban University of Technology

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Area of Expertise: Water and wastewater treatment, water-borne microbial pathogens, biostatistics

Short Bio: Prof. Feroz Mahomed Swalaha is the acting Head of the Department of Biotechnology & Food Technology, Durban University of Technology. He has worked extensively in the fields of biological wastewater treatment with the aid of mathematical modelling and statistical experimental design. Prof. Swalaha is has previously worked on modelling anaerobic digestion with genetic algorithms, applying constructed wetlands to urban water treatment and algal scrubbing of CO₂ emissions from waste industrial gases. He is currently heading a unit for waterborne pathogens and is investigating the efficacy of pathogenic bacteria removal during wastewater treatment, risks of transfer of pathogens in agricultural products and development of standards for viral pathogen monitoring in rivers.

Academic Interests : Water and wastewater treatment, water -borne microbial pathogens, biostatistics

Research Links:

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