

STAFF PROFILE CONTENT BRIEF

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FACULTY OF
APPLIED
SCIENCES



DESIGNATION

(LECTURER)



Title & Name:

Qualification & Institution:

Contact Number:

Email Address:

Campus:

Area of Expertise:

Ms Indrani Hazel Govender

MSc (Environmental Science),
University of Natal

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ML Sultan

Environmental Sustainability,
Ecology, Ecological Risk
Assessment

Short Bio: I joined the Durban University of Technology in 2010. My previous experience includes Environmental Management in the textile industry and local government, as well as teaching at high school level. My experience includes working closely with consultants on Environmental Impact Assessments (EIAs), reviewing EIAs, regulatory monitoring of receiving waters, wastewater treatment works and land-based environmental impacts, ISO 14001 system implementation, environmental training of employees and a one-year International Scholarship on Advanced Professional Training in Environmental Management. My cumulative industry experience and my love for plants and nature, motivates me to disseminate my passion through teaching environmental sustainability and conservation at all levels of study in our programmes.

Academic Interests:

My primary research focus is ecological risk assessment, modelling multiple stressor-response interactions in complex ecological systems, with a special interest in Bayesian Network probabilistic models to guide decision-making. This is the focus of my PhD study. Another area of interest is urban ecology and the dynamics of urban living on natural systems. How can we promote sustainable solutions to preserve green spaces and enhance urban lifestyles, while ensuring ecosystem services are enhanced? I lecture Ecology, Environmental Sustainability and Conservation Horticulture.

Collaborations: Prof Ullrika Sahlin, Centre for Environment and Climate Research, Lund University, Sweden; Aquatic Ecosystem Research Group, UKZN; Dr Gordon O'Brien, School of Biology and Environmental Sciences, University of Mpumalanga; UEIP (uMngeni Ecological Infrastructure Programme); Institute of Natural Resources, Pietermaritzburg; SANBI (South African National Biodiversity Institute); Leitch Landscapes.

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