



Name: Sibonani Sandra Mlambo

Current employer & Appointment/title: Chinhoyi University of Technology, Senior Lecturer

Mentor or mentee: Prof JHJ van Vuren (UJ,SA)

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Country: Zimbabwe

Area of Research/Teaching

Occurrence of endocrine disruptors in the aquatic environment, biomarkers of oxidative stress and reproductive effects in aquatic organisms; ecological risk assessment in freshwater bodies, use of fish as bioindicators of pollution, wastewater treatment and bioremediation

Biography

Sibonani is a senior lecturer in the School of Agricultural Sciences at Technology at Chinhoyi University of Technology in Zimbabwe. She holds a BSc Hon Applied Biology and Biochemistry from the National University of Science & Technology (Zimbabwe) and an MSc and PhD Aquatic Health from the University of Johannesburg (South Africa); also Postgraduate Diploma in Higher Education from Chinhoyi University of Technology.

Her research is focused occurrence of endocrine disrupting chemicals in the aquatic environment and how they affect aquatic life. This also includes the use of aquatic organisms as bioindicators of pollution and biomarkers. She is also interested in bioremediation, invasive species and nutrient overloading as well as wastewater treatment. Her most recent work was the IFS funded project on use of integrated biomarker response in tilapia to determine endocrine disruptive activity and health risk in the Manyame catchment, Zimbabwe.

Between 2013 and 2019 she served in administration positions as a member of Senate Executive Committee, Head of Biotechnology Department, and the Deputy Dean of the School of Agriculture. Sibonani is the Treasurer for the Zimbabwe Young Academy of Sciences (ZIMYAS) and is also a member of some national committees. Her aim is to now integrate her research into policy formulation and implementation with regards to environmental water quality and pollution control as well as to embark on new interdisciplinary projects that have full participation of stakeholders.

Sibonani Sandra Mlambo
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BSc. Hon Applied Biology and Biochemistry (National University of Science & Technology, Zim), MSc and PhD Aquatic Health (University of Johannesburg, South Africa), Postgraduate Dip. Higher Education, Chinhoyi University of Technology, Zim)

Biomonitoring in the aquatic environment, occurrence of endocrine disruptors in aquatic environment and reproductive effects in aquatic organisms, biomarkers and bioindicators, wastewater treatment

