



**Director:** Dr Thembisile Gloria Mkhize

**Tel:** 031 373 2074

**Email:** [ThembiMK@dut.ac.za](mailto:ThembiMK@dut.ac.za)

**Campus:** Steve Biko Campus

**Qualifications:** BSc (Maths & Stats), BSc (Hons)(Stats), MSc(Financial Maths), PhD(Applied Maths)University of KwaZulu-Natal.

**Subjects Expertise:** Engineering Mathematics, Quantitative Methods and Statistics.

**Research and Innovation focus:** My research focuses on the theoretical group properties to the classification of nonlinear differential equations. My research activities range from applications in Applied Mathematics, Mathematical Biology and currently applications to differential equations arising from Stochastic processes in Financial Mathematics. This has also included group techniques to the classification of nonlinear differential equations with jump terms with application.

**Area of expertise:** Lie Group Analysis of Differential Equations.