



# INAUGURAL LECTURE OF PROFESSOR RATHILAL

Professor Thandwa Z Mthembu, Vice-Chancellor & Principal of the Durban University of Technology cordially invites you to a virtual Inaugural professorial lecture of Professor Sudesh Rathilal, Deputy Dean: Faculty of Engineering & the Built Environment.

**Date: Wednesday, 14 April 2021**

**Time: 17:30 - 18:30**

**Platform: MS Teams**

## **TITLE:-**

## **AN INTEGRATED ANAEROBIC PHOTOCATALYTIC SYSTEM FOR WASTEWATER TREATMENT**

Summary: The proposed research area deals with an integrated system to solve various problems within a small wastewater treatment plant including reduction of organic matter and emerging contaminants using fabricated nanocomposites. The nanocomposites enrich the methane proportion of the biogas generated and the photocatalytic system is able to remove micropollutants using the nanocomposites, while a magnetic system exists to recover the photocatalysts.

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