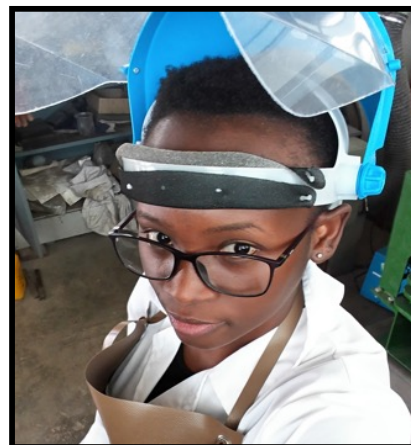
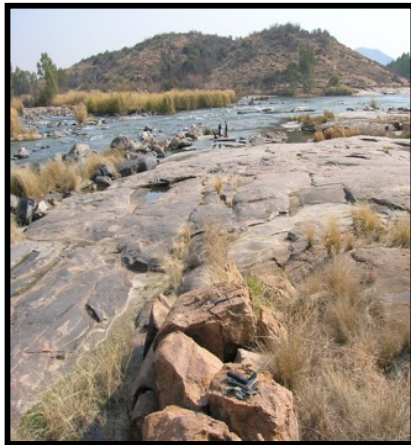


Determination of erosion rates along the Vaal River in the Vredefort Dome, South Africa.

University of Johannesburg, iThemba LABS



The Vredefort Dome is the largest and oldest known meteorite impact crater in the world and a world heritage site in Parys, South Africa. The Vaal river flows through the remnants of the eroded dome (from east to west) eating away at the rocks that the river flows along. The relative erosion rates of these rocks will help determine how quickly the river erodes these rocks, contributing towards landscape evolution studies in South Africa.



Visitor(s): Rivoningo Khosa

Visit dates: January 2018

Rivoningo is an MSc candidate at the University of Johannesburg(UJ) and NRF iThemba LABS. Her visit to UVM will see her learn how to extract Be-10 and Al-26 from quartz samples and learn more about cosmogenic nuclides and the cosmolab.