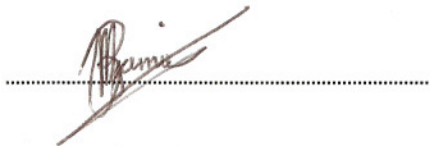


Declaration

I declare that this MSc dissertation is my own, unaided work under the supervision of Professor M.S. Scurrall. It is being submitted for the degree of Master of Science in the University of Witwatersrand, Johannesburg. It has not been submitted before for any degree or examination in any other University.

A handwritten signature in dark ink, appearing to read 'Zolani Mgcima', is written over a horizontal dotted line.

(Signed) Zolani Mgcima

10 Day of February 2012