

Biography – Sphelele C. Sosibo

Sphelele Sosibo is currently an organic chemistry lecturer and a researcher in the areas of practical and computational medicinal chemistry at the NWU's department of Chemistry. He earned his Master's degree in Pharmaceutical Chemistry at the University of KwaZulu-Natal working on asymmetric catalysis and a PhD in Chemistry from the University of Johannesburg working on molecular modelling. His research on Computer Aided Drug Design focuses on the development and application of molecular dynamics as complementary metrics of comparison in the practical bench-scale studies of the impact of potential drug inhibitors on enzymatic targets associated with Alzheimer's disease, Antimicrobial resistance, Parkinson's disease and HIV to name a few. Sphelele has published his research in 10 internationally peer reviewed journals of theoretical as well as practical applications of organic chemical, biochemical and microbiological techniques to the discovery of new or repurposing treatments.