



**Associate Professor:** Prof Wallace Matizamhuka (BSc (Hons) UZ, PhD WITS)

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**Bio:** Wallace Matizamhuka is an Associate Professor in Metallurgical Engineering. An established researcher and a dynamic academic specialising in powder metallurgy, manufacturing metallurgy and corrosion engineering. During his formative years, Wallace spent time in research laboratories at Darmstadt University of Technology and at the Bayerisches Geoinstitut (BGI) in Germany and the National Institute of Materials Science (NIMS) in Japan. He has also worked as a Materials Scientist for Element Six (a subsidiary of De-Beers Group of companies) where he was responsible for new product development for oil and gas (ultra-hard synthetic diamond materials) drill-bit applications. Wallace's research expertise spans across powder metallurgy of advanced materials for various applications (ultrahard materials, biomaterials, magnetic materials, composites: CMCs & MMCs and High Entropy Alloys: HEAs, additive manufacturing processes, corrosion engineering and sustainable regenerative systems. With a record of over 30 publications to his name, Wallace has mentored over 15 Masters students, examined over 20 research theses and dissertations and is currently supervising 5 PhDs in the area of Additive Manufacturing. In recent years, he has developed interest in sustainable regenerative systems aimed at reversing the damaging effects of industrial processes to the environment.

**Qualification & Institution:** BSc MetEng (Hons) UZ, PhD (Wits)

**Area of Expertise:** Powder Metallurgy of Advanced Materials, Corrosion Engineering, Additive Manufacturing and Sustainable Regenerative Systems.