Effects of impurities on the structural and magnetic properties of natural iron sulphides from the Lake Victoria gold field

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Abstract
In this thesis three techniques, namely, X-ray Fluorescence, X-ray diffraction and Moessbauer spectroscopy were used to study the effects of impurities on the structural and magnetic properties of natural iron sulphides from the Lake Victoria gold field. Pyrite and pyrrhotite being the main component of the iron sulphide in this area were investigated.