



**Sudan University of Science and Technology**  
**College of Graduate studies**



## **Isotope Superconducting Effect Explanation on the Basis of Plasma Quantum Model**

**تفسير تاثير النظائر فى التوصيل الفائق استنادا على نموذج البلازما الكمي**

A Thesis Submitted in Partial Fulfilment for the Degree of Master of  
Science in Physics

**BY:**

**Mougahed Altayeb Mohamed Ahmed Abu Alhassan**

**(B.SC. honour in Laboratories Physics )**

**Supervisor: Prof. Mubarak Dirar Abd-Allaa**

2016