



Sudan University of Science and Technology
College of graduate Studies



**Optical and Electrical Properties of Sinag Carbon and Waste Petroleum
after Acid Treatment and Its Comparison with Carbon
Nanotubes**

الخصائص البصرية والكهربية لكاربون السناج ومخلفات البترول الكربونية بعد
معالجتها بالاحماض ومقارنتها بأنابيب الكربون النانوية

A thesis submitted for the degree of PhD in Physics

BY

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