

**Sudan University of Science and Technology**

**College of Graduate Studies**

**Characterization and Thermodynamic Properties of Gum  
from *Albizia amara* (Alarrad)**

**الخواص التوصيفية و الترموديناميكية لصبغ البيزيا امارا (العرد)**

A Thesis submitted for the Fulfillment of the Requirements of the Degree of

Ph.D in Chemistry

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(B.Sc. Honours, M.Sc. in Chemistry)

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# Chapter One

## Introduction

# Chapter Two

## Literature Survey

# Chapter Three

## Materials and Methods

# Chapter Four

## Results and Discussions

