

CONTENTS

<i>Certificates</i>	
<i>Declaration</i>	
<i>Acknowledgements</i>	
<i>General Note</i>	i
<i>Abbreviations</i>	ii
<i>List of tables</i>	v
<i>List of figures</i>	vii
<i>List of graphs</i>	viii
<i>Abstract</i>	x
Chapter 1 : 1.1. Introduction	1-20
1.2: Aims and Objective	12
Chapter 2 : Literature Review of <i>Diospyros</i> Genus	14-46
Chapter 3 : Standardisation and Phytochemical Examination	47-138
3.1 : Introduction to the <i>Diospyros</i> species selected for the study	
a. <i>Diospyros oocarpa</i>	47
b. <i>Diospyros nigrescens</i>	49
c. <i>Diospyros candolleana</i>	51
3.2 : Methodology for standardization and Phytochemical Examination	53
3.3 : Results for Standardisation and Preliminary Phytochemical study	59
3.4 : Phytochemical Examination of <i>Diospyros oocarpa</i> roots	63
3.5 : Phytochemical Examination of <i>Diospyros nigrescens</i> roots	96
3.6 : Phytochemical Examination of <i>Diospyros candolleana</i> roots	120
Chapter 4 : Biological evaluation of extracts of the selected <i>Diospyros</i> species.	139-198
4.1 : Evaluation of Acute Oral Toxicity	139
4.2 : Cytotoxic Evaluation of the selected <i>Diospyros</i> species	142
1. Preliminary cytotoxicity screening by BSL assay	143
2. <i>In-vitro</i> cytotoxicity test against DLA Cell Lines	146
3. In-vivo chemopreventive effect against DMBA induced skin carcinoma in mice	148
4.4 : Results and Discussion	159
Summary	199-204
Bibliography	205-23

