



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكرو فيلم

بسم الله الرحمن الرحيم



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شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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HANAA ALY



**The Effect of Green Coffee Aqueous Extract on Parotid
Salivary Gland of Streptozotocin Induced Diabetic Albino
Rats
(Histological and Immunohistochemical study)**

Thesis Submitted in partial fulfillment for
Master Degree in Oral Biology

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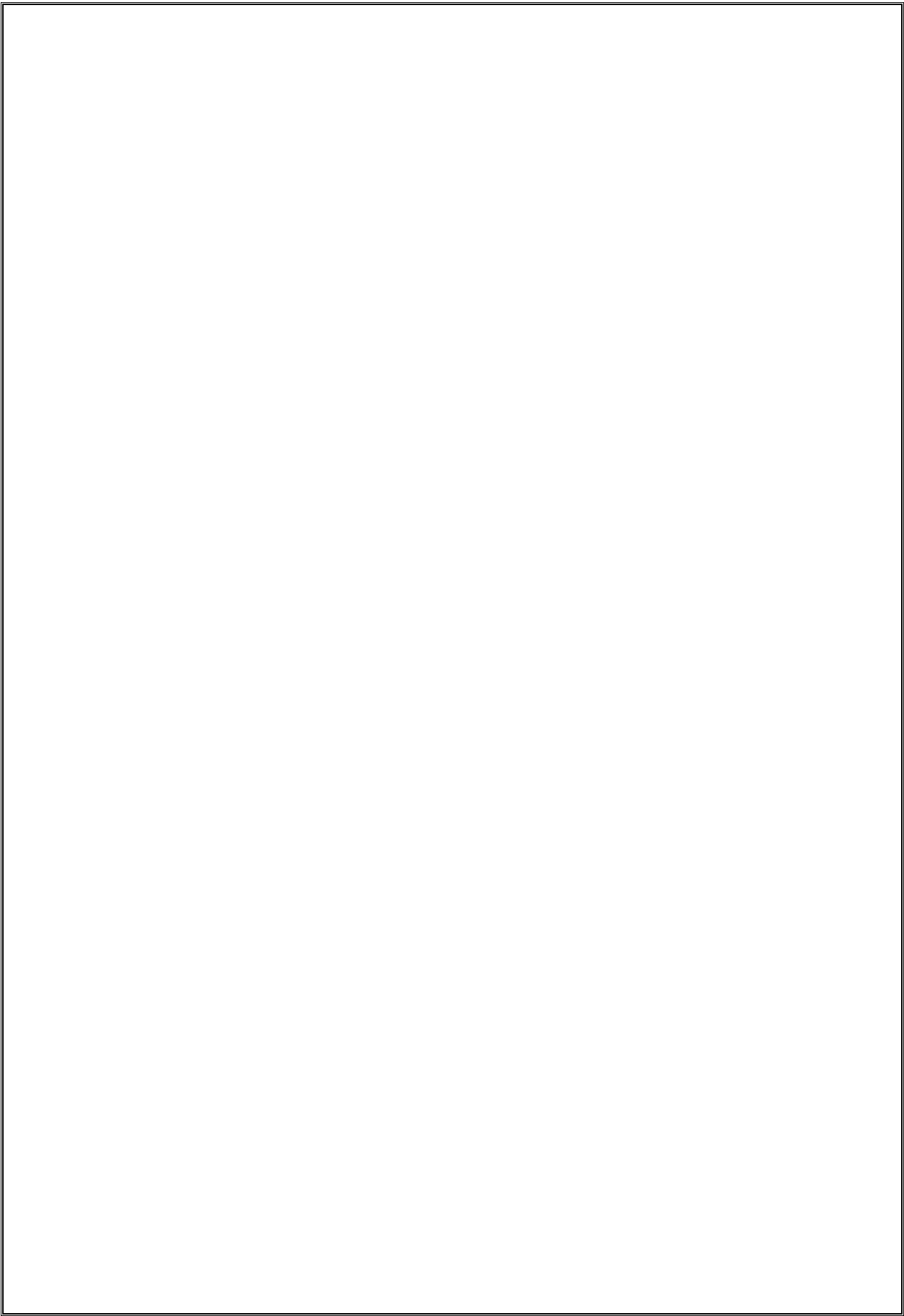
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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا
إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ
الْعَلِيمُ الْحَكِيمُ

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List of abbreviations

Abbreviation	Meaning
DM	Diabetes mellitus
WHO	World Health Organization
S.G	Salivary gland
PG	Parotid gland
SMG	Submandibular gland
SLG	Sublingual gland
RER	Rough Endoplasmic Reticulum
ID	Intercalated duct
SD	Striated duct
ED	Excretory duct
C.T	Connective tissue
β	Beta
MODY	Maturity-Onset Diabetes of the Young
FCPD	Fibro-calculous pancreatic diabetes
STZ	Streptozotocin
TNF-α	Tumor necrosis factor
PRP	Proline rich protien
m-RNA	Messenger ribonucleic acid
PMNL	Polymorph nuclear leukocyte
Bad	Bcl-2- associated death promoter
Bax	BcL-2 like protein 4
GLUT	Glucose transporter
DNA	Deoxyribonucleic acid
ATP	Adenosine triphosphate
OGA	O-GlcNAcase
GCBs	Green Coffee Beans
CGA	Chlorogenic acids
G-6-Pase	Glucose-6-phosphatase
AMPK	5 adenosine monophosphate-activated protein kinase