شبكة المعلومات الجامعية

التوثيق الإلكتروني والميكروفيلم

# بسم الله الرحمن الرحيم


HANAA ALY

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# جامعة عين شمس

# التوثيق الإلكتروني والميكروفيلم

# قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات

# يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار

HANAA ALY

**Biochemistry Department**

# Evaluation of the Antitumor and Radiosensitizing Activities of Zinc Oxide-Caffeic Acid Nanoparticles

*Thesis Submitted by*

**Hayam Mostafa Sayed**

(M.Sc. in Biochemistry, 2009)

*For the Award of the Degree of Doctor of Philosophy in Biochemistry*

***Under Supervision of***

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2021

بسم الله الرحمن الرحيم

**( وعَلَّمَكَ مَا لَمْ تَكُن تَعْلَمُ وكَانَ فَضْلُ اللَّهِ عَلَيْكَ عَظِيماً )**

صدق الله العظيم

النساء .. آية رقم ١١٣

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# Biography

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# *Declaration*

*I declare that this thesis has been composed by myself and the work of which is a record that has been done by myself. This thesis has not been submitted for a degree at this or any other university.*

***Hayam Mostafa Sayed Mohamed***

# *Dedication*

*Special thanks to my family. No words would ever express my gratitude to my first and lifelong, my mother. Her love, kindness and giving attitude have taught me to be who I am. Her prayer for me was what sustained me thus far. I would also like to dedicate this work to my first and foremost teacher, my father (may Allah rest his soul in peace). His faith, love and perseverance were surrounding me throughout this journey.*

*I would also like to express my sincere thanks and love to my husband who supported me, and encouraged me to strive towards my goal.*

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