Faculty of Science

Silver and chitosan-coated silver nanoparticles induced oxidative stress in mice

A Thesis

submitted for the Ph.D Degree of Science Biochemistry

Presented By

Samar Mohamed Saeed Abd El-Aziz Gooda

Bachelor Degree (B.Sc.) Biochemistry-Chemistry, (2006)

Master Degree (M.Sc.) in science of Biochemistry, (2011)

Ain Shams University
Faculty of Science
Biochemistry Department

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Under Supervision of

Prof. Dr.
Amina Mohammed Medhat
Professor of Biochemistry
Biochemistry Department
Faculty of Science
Ain Shams University.

Prof. Dr.
Eman Mohammed Abd El-Azeem
Professor of Biochemistry
Biochemistry Department
Faculty of Science
Ain Shams University.

Prof. Dr.
Nagy Saba El-rigal A. Hamid
Professor of Biochemistry
Therapeutical Chemistry Department
National Research Center.

Prof. Dr.
Sanaa Ahmed Ali Ibrahim
Professor of Biochemistry
Therapeutical Chemistry Department
National Research Center.

Dr.
Wagdy Khalil Bassaly
Assistant professor of Biochemistry
Cell Biology department
National Research Center.

Ain Shams University
Faculty of Science
Biochemistry Department
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AIN SHAMS UNIVERSITY
Faculty of Science
Biochemistry Department

Approval Sheet

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Name of the candidate

Samar Mohamed Saeed Abd El-Aziz Gooda

Supervisors

Prof. Dr. Amina Mohammed Medhat
Professor of Biochemistry - Faculty of Science - Ain Shams University.

Prof. Dr. Eman Mohammed Abd El-Azeem
Professor of Biochemistry - Faculty of Science - Ain Shams University.

Prof. Dr. Nagy Saba El-rigal A. Hamid
Professor of Biochemistry - Therapeutical Chemistry Department - National Research Center.

Prof. Dr. Sanaa Ahmed Ali Ibrahim
Professor of Biochemistry - Therapeutical Chemistry Department - National Research Center.

Dr. Wagdy Khalil Bassaly
Assistant professor of Biochemistry - Cell Biology department - National Research Center.

Examiners

Prof. Dr. Amina Mohammed Medhat
Professor of Biochemistry - Faculty of Science - Ain Shams University.

Prof. Dr. Amina Mohammed Medhat
Professor of Biochemistry - Faculty of Science - Ain Shams University.

Prof. Dr. Amina Mohammed Medhat
Professor of Biochemistry - Faculty of Science - Ain Shams University.

Prof. Dr. Nagy Saba El-rigal A. Hamid
Professor of Biochemistry - Therapeutical Chemistry Department - National Research Center.

Faculty of Science
Biochemistry Department

Biography

Name : Samar Mohamed Saeed Abd El-Aziz Gooda.

Degree : M.Sc. Biochemistry, Faculty of Science, Helwan University (2011).

Faculty : Faculty of Science, Zagazig University, Biochemistry/Chemistry Department, excellent with Honor Degree (2006).

Ocuupation : Researcher Assistant at Therapeutical Chemistry Department, Pharmaceutical and Drug Industries Research Division, National Research Center, Cairo, Egypt.

Declaration

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

Samar Mohamed Saeed Abd El-Aziz Gooda

Dedication

"A special thanks to my mother. Words cannot express
how grateful I am to her for loving support
and prayers all through my life.
Her prayer for me was what sustained me thus far."

"I would also like to thank my husband and
my children (Hadania & Hassan) from my deep heart for
their patience, continuous backing and support,
my brother and my sister who supported and encouraged
me to strive towards my goal."

This work is specially dedicated to
my father's spirit.

Samar Mohamed Saeed Abd El-Aziz Gooda

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Samar Mohamed Saeed Abd El-Aziz

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