سامية محمد مصطفى

شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

سامية محمد مصطفى

شبكة المعلومات الجامعية

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

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سامية محمد مصطفى

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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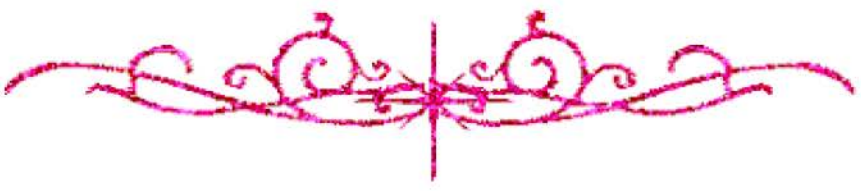

سامية محمد مصطفى

شبكة المعلومات الجامعية

بالرسالة صفحات لم ترد بالأصل

Monitoring of some organochlorine in some fatty foods

By

Mohsen Mohamed Mohamed Ayoub
B.SC. Agric. (Pesticides) Al-Azhar University, 1986.
Master in Agric.(Pesticides) Al-Azhar University, 1994.

The Thesis Submitted for Ph.D.
In

Environmental Science
Department of Agricultural Science

Under the Supervision of

Prof. Dr. Mohamed I. Abdel- Megeed
Professor of pesticides , Vice Dean
Faculty of Agriculture, Ain Shams University

Prof .Dr. Mohamed A.El-Nawawy
Professor of Dairy Science and Technology
Faculty of Agriculture, Ain-Shams University

Prof. Dr. Salwa M. Dogheim
Director of Central Laboratory of Residue Analysis of Pesticides and Heavy Metals in Food, Agricultural Research Center, Ministry of Agriculture

Department of Agricultural Science
Institute of Environmental Studies and Research
Ain–Shams University
2000

Approval Sheet

Title: *Monitoring of some organochlorine compounds in some fatty foods.*
Name: *Mohsen Mohamed Mohamed Ayoub*
Degree: *Ph. D. Degree in Environmental Science*

This Thesis has been approved by ... ...

Prof. Dr. Abdel-Latif Ramadan Helalia, Professor of Pesticides
Faculty of Agriculture, Al-Azhar University.

Prof. Dr. Nadia Refaat Abdel Rahman, Professor of Food Microbiology and Technology, Head of the Food Science Department,
Faculty of Agriculture, Ain-Shams University.

Prof. Dr. Mohamed Ibrahim Abdel-Megeed, Professor of Pesticides, Vice Dean, Faculty of Agriculture,
Ain-Shams University.

Prof. Dr. Salwa M. Dogheim, Professor of Pesticides, Director of Central Laboratory of Residue Analysis of Pesticides and Heavy Metals in Food, Agricultural Research Centre,
Ministry of Agriculture.

Date: *12/4/2000*

(Committee in Charge)

ABSTRACT

Mohsen Mohamed Ayoub, Monitoring of some organochlorine compounds in some fatty foods, Unpublished Ph.D. Thesis in Environmental science, Institute of Environmental Studies and Research,Ain Shams University 2000.

A total (212) samples of edible oils, butter, milk cream and fish were obtained for qualitative and quantitative analysis of 13 organochlorine pesticides (i.e. hexachloro benzene, alpha, beta, gamma and delta-hexachlorocychlohexane , heptachlor, heptachlor epoxide, dieldrine, endrin, p,p`-DDT, o,p`-DDT, p,p`-DDE and p,p`-DDD and polychlorinated biphenyl's (congeners no. 28,52,101,118,138,153 and 180).

Samples were collected from 1995-1996 covering some markets in great Cairo. Some pesticides were detected such as HCH isomers, DDT derivatives, heptachlor and it's epoxide, dieldrin and hexachlorobenzene. No endrine appeared in any samples analyzed. PCB's were detected either.

Heat processing were very effective at removing investigated organochlorine pesticides and PCB's from edible oils, butter, milk cream and fish.

Estimated Dietary Intake (EDIs) of investigated contaminants were studied and compared with their Acceptable Daily Intake (ADIs). They were generally below the limits recommended by FAO/WHO (1985).

Key words: Organochlorine pesticides, polychlorinated biphenyl's, HCH isomers, DDT derivatives, diedlrin, heptachlor, heptachlor epoxide, endrine, edible oils, butter, milk cream, fish, heat processing, great Cairo supermarkets, Dietary Intake, EMDI's, ADI's.

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