

سامية محمد مصطفى



شبكة المعلومات الجامعية

# بسم الله الرحمن الرحيم



سامية محمد مصطفى



شبكة المعلومات الجامعية



# شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم





سامية محمد مصطفى



شبكة المعلومات الجامعية

# 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



سامية محمد مصطفى



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# بعض الوثائق الأصلية تالفة





سامية محمد مصطفى



شبكة المعلومات الجامعية



بالرسالة صفحات  
لم ترد بالأصل



بسم الله الرحمن الرحيم

وعلمك ما لم تكن تعلم وكان فضل الله عليك عظيما

" صدق الله العظيم "

B

١٤٨٥٦



Alexandria University  
Faculty of Agric. (Saba-Bacha)

**CHEMICAL AND TECHNOLOGICAL STUDIES ON  
NATURAL SWEETENERS FROM STEVIA PLANT**

**BY**

**MONA IBRAHIM MASSOUD HASSAN**

**A thesis submitted in partial fulfillment of the requirements  
governing the award of the degree of**

**DOCTOR OF PHILOSOPHY OF AGRICULTURAL SCIENCES  
(FOOD TECHNOLOGY)**

**Department of Food Sciences**

**From**

**Alexandria University**

**2001**



Alexandria University  
Faculty of Agric. (Saba-Bacha)

**CHEMICAL AND TECHNOLOGICAL STUDIES ON  
NATURAL SWEETENERS FROM STEVIA PLANT**

**Presented by**

**MONA IBRAHIM MASSOUD HASSAN**

**For the degree of**

**DOCTOR OF PHILOSOPHY OF AGRICULTURAL SCIENCES**

**(Food Technology)**

**Department of Food Sciences**

**Examiner's Committee:**

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Alexandria University  
Faculty of Agriculture  
(Saba Basha)

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Dear Colleague :

Enclosed is a Ph. D. thesis which has been submitted for rewarding the doctorate degree. You are kindly requested to review this thesis. Please use this form for your reviewing. If you are unable to review it within 30 days, please return it immediately to us.

16 June (Date).....2001

Author : Mona Ibrahim Massoud

Title : Chemical and Technological Studies on Natural Sweeteners from Stevia Plant.

#### Questionnaire :

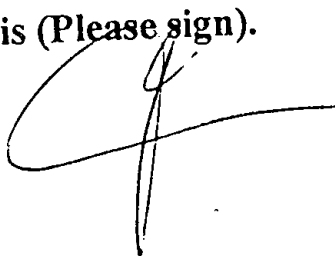
(Please examine the submitted Ph. D. thesis according to the following criteria) :

No.	Questions	Yes	No
1.	Does the thesis contain sufficient new material and is the problem treated sufficiently significant to deserve the Ph. D. degree ?	X	
2.	Can the problem or objective be regarded as being within the scope of the main topic ?	X	
3.	Is the presentation sufficiently concise and organized ?	X	
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12.	Can the abstract be understood on its own and does it contains all the relevant facts ?	X	
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**Evaluation :**

- ☒ Acceptable without revision  
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I have read this thesis with great pleasure. It gives worthwhile information about sweetness of compounds from natural origin, because consumers like more and more ingredients, originated from natural sources, in their foods. It was worthwhile to include some applications, concluding that the sweeteners can be really use in food stuffs. This thesis fullfills a sufficient scientific level of research in food science. I feel satisfied about the submitted thesis and I consider this thesis as a good thesis in the field of food science. I would like to recommend to proceed the procedure for getting a PhD grade for the author.

*Accepted for*

*Publication*





To  
The soul of late  
*Dr. Medhat muossa and my father*

And

To  
My Mother, Husband, Adham,  
Brothers and Sisters

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## ABBREVIATIONS

R.A        =        Rebaudioside A

R.B        =        Rebaudioside B

R.C        =        Rebaudioside C

R.D        =        Rebaudioside D

R.E        =        Rebaudioside E

ST         =        Stevioside