

بسم الله الرحمن الرحيم



-Call 6000





شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم





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 يعيدا عن الغيار













بالرسالة صفحات لم ترد بالأصل





GENETIC VARIABILITY AND INHERITANCE ESTIMATES OF SOME CHARACTERS IN OKRA [ABELMOSCHUS ESCULENTUS (L.) MOENCHJ

A THESIS

Presented to the Graduate School Faculty of Agriculture (Saba Basha) Alexandria University

Submitted in Partial Fulfillment of the Requirements
For the Degree of
Doctor of Philosophy in Agricultural Sciences
In
(HORTICULTURE)

By

SAMY MOHAMED ALY MANSOUR

BITTY

2000



GENETIC VARIABILITY AND INHERITANCE ESTIMATES OF SOME CHARACTERS IN OKRA [ABELMOSCHUS ESCULENTUS (L.) MOENCH]

Presented By

SAMY MOHAMED ALY MANSOUR

Submitted on Partial Fulfillment of the Requirements for the Degree of

Doctor of Philosophy in Agricultural Sciences (HORTICULTURE-VEGETABLES)

Examiner's Committee:

Prof. Dr. AHMED ABED EL-MONEIM HASSAN Prof. of Vegetable Crops, Faculty of Agriculture, Cairo University.

Prof. Dr. RAFAAT MOHAMED EL-SAEID HELAL Prof. of Vegetable Crops, Faculty of Agriculture, Ain Shams University.

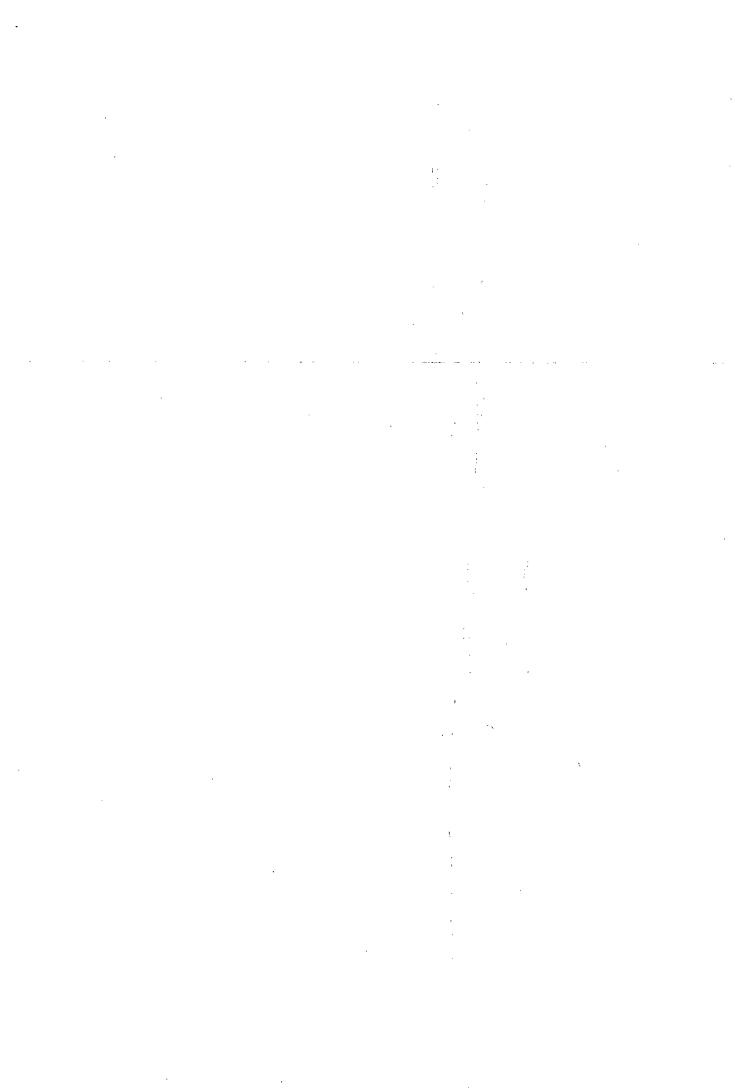
Prof. Dr. ALY IBRAHIM ALY EBIDA

Prof. of Vegetable Crops, Plant Production Department Fac. of Agric. (Saba Basha), Alexandria University.

Prof. Dr. WAGEH SHOKRY RAGHEB

Head of Vegetable Crops Breeding Research, and Director of Sabaheia Horticulture Research Station, Alexandria, Egypt.

Ay 2 bide



SUPERVISORS

Prof. Dr. AHMAD MAHMOUD ABD EL-HALIM EL-GAMAL

Professor of Vegetable Crops

and Head of Plant Production Department

Faculty of Agriculture (Saba-Basha),

Alexandria University

Prof. Dr. ALY IBRAHIM ALY EBIDA

Professor of Vegetable Crops

Plant Production Department

Faculty of Agriculture (Saba-Basha)

Alexandria University

Prof. Dr. WAGIH SHOKRY RAGHEB

Head of Vegetable Crops Breeding Researches

and Director of Sabaheia Horticulture Research Station

Alexandria, Egypt



ACKNOWLEDGEMENT

I would like to express my deepest gratitude and thanks to Prof. Dr. Ahmed Mahmoud Abd El-Halim EL-Gamal, Professor of Vegetable Crops and Head of Plant Production Department, Faculty of Agriculture (Saba-Basha), Alexandria University for his supervision, invaluable suggestions, assistance, advice, encouragement, unforgettable help to complete this work, ideas throughout the course, and revising the manuscript.

My deep and special great thanks also to Prof. Dr. Aly Ibrahim Aly Ebida, Professor of vegetable crops, Plant Production Department, Faculty of Agriculture (Saba-Basha), Alexandria University for his supervision, great help, valuable criticism and effective guidance, encouragement and continued assistance in writing, preparing and revising the thesis.

The author wishes to express his deep gratitude to Prof. Dr. Wagih Shokry Ragheb, Head Researches of Breeding Vegetable Crops, and Director of Horticultural Research Station in Alexandria for suggesting the problem, valuable guidance, keen supervision and continuous encouragement. Sincere appreciation is extended to him for providing facilities and assistance to carry out this work. Also, deep heart thanks are going to him for reviewing the results and manuscript.

I am deeply grateful to Prof. Dr. Abd EL-Moneim Amer Gad, Professor of Vegetable Crops, Horticulture Department, Faculty of Agriculture, Zagazig University for his guidance, and thesis revision.

	*						
		•		-			
					•		
1							
			,				
				•			

Also, I would like to express my thanks for Prof. Dr. Hamdi EL-Doweny, Head of Cross Pollinated Vegetable Crops Department, Horticulture Research Center in Cairo, for his great help, guidance and encouragement.

Sincere thanks to Prof. Dr. Roshdy M. Khalil, Professor of Vegetable Crops, Menofiya University, for his encouragement, kind advice and effective guidance.

Much gratitude is also due to Dr. Rawhia Mohamed EL-Saied Wahba, Associate Professor of Vegetable Crops, Horticultural Research Station in Alexandria for her encouragement and assistance through this investigation.