



Ain Shams University
Faculty of Women
For Arts, Science and Education

**Karyotype and Molecular characterization of some
Vicia faba L. genotypes under stress conditions**

A Thesis by

Hasnaa Hamdy Hassan El-Agwany

B.Sc., Botany and Chemistry (2009)

Faculty of Women

for Arts, Science and Education

Thesis Submitted As

***A Partial Fulfillment of the Requirements of
Master Degree in Botany (Cytology and Genetics)***

To

Botany Department

Faculty of Women

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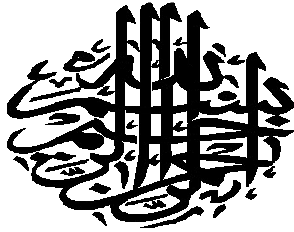
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رَبِّ أَوْزَعْنِي أَنْ أَشْكُرَ نِعْمَتَكَ الَّتِي
أَنْعَمْتَ عَلَيَّ وَعَلَىٰ وَالِدَيَّ وَأَنْ أَعْمَلَ
صَالِحًا تَرْضَاهُ وَأَدْخِلْنِي بِرَحْمَتِكَ فِي
عِبَادِكَ الصَّالِحِينَ

صَلَّىٰ
الْعَظِيمِ

(سورة النمل - الآية ١٩)

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Dedicated to

My Father,

My Mother,

My Husband,

My Daughter Retage

My Son Saif,

Who Filled My Life With Happiness.

Also, To My Brother, My Sisters,

My Whole Family and My Best Friends.

**This thesis has not been previously submitted for any
degree at this or any other university**

Signature

Hasnaa Hamdy Hassan El-Agwany

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