# بسم الله الرحمن الرحيم

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تم رفع هذه الرسالة بواسطة / سلوي محمود عقل

بقسم التوثيق الإلكتروني بمركز الشبكات وتكنولوجيا المعلومات دون أدنى مسئولية عن محتوى هذه الرسالة.

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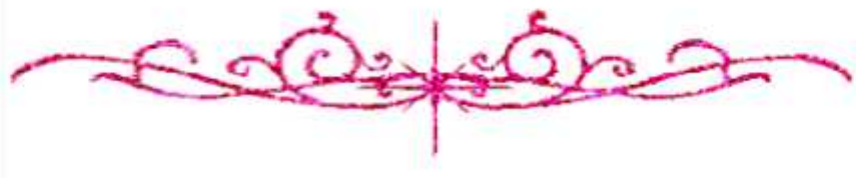
| ملاحظات: لا يوجد |

Salwa MAHMOUD Aki


# تم بحمد الله



**Ain Shams University**
**Faculty of Women**
**For Arts, Science & Education**
**Botany Department**

# Bio-agents stress as regulators of virulence and apoptosis quorum sensing in pathogenic *Candida* species.

**A Thesis**
Submitted in Partial Fulfillment of the Requirements for the
Degree of
**M.Sc. Microbiology**
By

**Rahma Mostafa Mohammed Ibrahim El-Gazzar**

**B.Sc. (Microbiology and Chemistry, 2012)**

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**2022**

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## Approval Sheet

Title: Bio-agents stress as regulators of virulence and apoptosis quorum sensing in pathogenic *Candida* species

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**Name: Rahma Mostafa Mohammed Ibrahim El-Gazzar**
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# Announcement

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

**Signature**

*Rahma Mostafa Mohammed Ibrahim El-Gazzar*

*DEDICATION*

*To **my father`s soul, my mother** for their endless Love, Support & Encouragement, To My lovely **Husband Mostafa** who was always with me and has been source of strength through this entire experience, I hope I have made you proud.*

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Rahma

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