



**Al-Azhar University**  
**Faculty of Science**  
**(Girls)**

**Growth of Zinc Oxide (ZnO) Nano-rod Thin  
Film For Biosensor Application.**

**Thesis**

**Submitted in the Partial Fulfilment  
For M. Sc. Degree in Biophysics**

**To**

**Physics Department, Faculty of Science,  
Al-Azhar University, Cairo, Egypt.**

**By**

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**B.Sc. in Biophysics, 2004**

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**2014**



جامعة الأزهر  
كلية العلوم ( )  
الدراسات العليا

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

"وَيَسْأَلُونَكَ عَنِ الرُّوحِ

قُلِ الرُّوحُ مِنْ أَمْرِ رَبِّي

وَمَا أُوتِيتُمْ مِنَ الْعِلْمِ إِلَّا

قَلِيلًا"

صَدَقَ اللَّهُ الْعَظِيمُ

الإسراء... آية ٨٥

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