



AIN SHAMS UNIVERSITY  
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## **A Water Quality Numerical Model for Lake Maryout**

A Thesis Submitted in Partial Fulfillment for the Requirements  
of the PhD Degree of Science in Civil Engineering  
**(Irrigation and Hydraulics)**

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## STATEMENT

This thesis is submitted to the Irrigation and Hydraulics Department, Faculty of Engineering, Ain Shams University in Partial Fulfillment of the requirements for the degree of Doctor of Philosophy in Civil Engineering.

The work included in this thesis was carried out by the author in the Irrigation and Hydraulics Department, Faculty of Engineering, Ain Shams University from 2010 to 2015.

No part of this thesis has been submitted for a degree or a qualification at any other university or institution.

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