



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكرو فيلم

بسم الله الرحمن الرحيم



MONA MAGHRABY



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التوثيق الإلكتروني والميكرو فيلم



شبكة المعلومات الجامعية التوثيق الإلكتروني والميكرو فيلم



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التوثيق الإلكتروني والميكروفيلم

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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MONA MAGHRABY

**A COMPREHENSIVE FRAMEWORK FOR MEASURING
ECONOMIC AND ENVIRONMENTAL IMPACTS IN
CHEMICAL INDUSTRIES SECTOR**

(APPLIED STUDY)

BySubmitted

Mervat Abd Elradi Moursi Nasr Eldin

B. Sc. Biochemistry Dept., Faculty of Science, Alexandria University,
1984

Diploma in Biochemistry, Faculty of Science, Alexandria University,
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M.Sc. Degree in Information Technology, Institute of Graduate Studies
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A Thesis Submitted in Partial Fulfillment
Of
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Department of Environmental Economics, Legal and Management
Sciences
Institute of Environmental Studies and Research
Ain Shams University

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ABSTRACT

According to the sustainable development concept there is a very important relationship between the economic development and environment protection against various types of contamination. Especially; those caused by chemical industries. At the same time, the industrial firms that suffer from equipment aging, small and worn out-production units, and obsolete employed technologies require investment for their survival. This research addresses the problem of measuring the economic and environmental effects of investment in chemical industries. The economic development is including the Industrial development. Particularly; Nitrogenous Fertilizers Sector that is a major sector of chemical industry plays an important role in the environmental pollution. The pollution may be air pollution due to gas emissions of CO_x, SO_x, and NO_x, or may be water or land pollution due to liquid and solid wastes. On the other hand; the industrial company has to disclose and show clearly the expenditure incurred by the company in its activities separated from environmental expenditure such as the preventive or therapeutic expenditure or any expenditure used for the protection of the various elements of the environment.

The aim of this work is to propose a model for measuring the economic and environmental effects of investment in chemical industries; using inductive inference method Also, addressing the research hypothesis regarding the relations between investment, economic profits and, costs required for the environment protection

against chemical industrial pollution using descriptive analytical method.

The research sample is two firms. They are El Nasr Company for Fertilizers and Chemical Industries “SEMADCO”, The Egyptian Chemical Industries Company “KIMA”. They are Egyptian contributing companies belonging to the Chemical Industries Holding Company (CIHC) and the Ministry of Public Business Sector (MPBS), Arab Republic of Egypt. “SEMADCO” is locating in Suez. “KIMA” is locating in Aswan. Both firms work in the field of production and marketing of nitrogenous fertilizers, liquid and solid chemicals.

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