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# Towards Advanced Science in Egypt

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### Introduction

The world moves towards new thinking in sciences and scientific research. The traditional sciences are not now the responsible for the scientific progress. New areas of sciences emerged as in biotechnology, nanotechnology, laser etc.

To encourage the scientific research in Egypt, a specialized governmental faculty was founded to give diploma, master or PhD degree in one advanced science (Biotechnology, nanotechnology or environmental & industrial development) (Figures 1and2). This is the firstspecializing facultyinEgypt, Arab countriesandAfricaestablished for Graduate Studies specialized in advanced sciences. It contains three main departments and four units. The faculty provides services as availability of high efficiency and modern instruments and labs for the students to work for scientific research at an advanced level. The courses are taught as credit hour systems. The courses are related to biosafety especially in the department of Environmental and industrial. The faculty is ready for Hosting foreign professors and exchange of expertise by student's grants.

#### Departments

- Department of Materials Science and Nanotechnology
- Department of Biotechnology and life sciences

• Department of Environmental Science and industrial development



Figure 1: Faculty of Graduate Studies and Advanced Science, Beni suef, Egypt

## **Four Units**

- Publishing Unit
- Supporting and Funding Projects' Unit
- Unit linking research with industry

• The European Program and External communications' Granting Unit

#### Fields of the conference are in three main categories

a. Nanoscience & Advanced Materials, Polymers, Ceramics, Composites, Catalysis, Gas sensing materials, Electrochemistry & Photochemistry.

b. Biotechnology, bioinformatics, molecular biology, in silico drug design, drug discovery & biosensor technology

c. Environmental Science, Industrial chemistry and Water treatment

d. Others ... as natural products and their relation and emerging in the above areas, etc...(Figure 3)



Figure 2: Lab. (1) of Nanotechnology

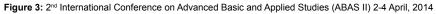
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