

**Military Technical College
Kobry El-Kobbah,
Cairo, Egypt**



**6th International Conference
on
Chemical & Environmental
Engineering
29 -31 May, 2012.**

**NRSW -1
RADIATION SAFETY OF IRRADIATION FACILITIES**

Prof.Dr. M.A.El-Ahdal*

Abstract

Ionizing radiation is an extremely important tool for their wide applications in industry and medicine, but it can pose a hazard to human health. For this reason, special precautions must be observed when using and working around ionizing radiation. Safe application of radioactive materials and radiation producing equipments (or irradiation facilities) poses problems that are different from those in most other settings. This attributed to the wide variety of procedures using radiation. Meeting the challenge of supervising the radiation safety program at the irradiation facilities require considerable training and experiences. For most situations, the types and maximum quantities of radioactive materials possessed, the manner in which they may be used, and the individuals authorized to use radioactive materials are stipulated in the form of a "specific" license from the appropriate regulatory authority.

* National Center for Radiation Research and Technology, AEA