

Short C.V.  
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**EDUCATION:**

- May 1984**      **Ph.D. in Nuclear Engineering**, Pennsylvania State University, University Park, Pennsylvania, USA.
- May 1982**      **MSc in Nuclear Engineering**, Pennsylvania State University, University Park, Pennsylvania, USA
- Aug. 1979**      **MSc in Nuclear Engineering**, Alexandria University, Alexandria, Egypt
- June 1976**      **BS, Excellent with honors in Nuclear Engineering**, Alexandria University, Alexandria, Egypt

**SOME WORK:**

- Sept 2006 To Present.**      **Head**, Nuclear Engineering Dept., Alexandria University, Alexandria, Egypt
- Sept. 1997 To Sept. 2003.**
- Jan. 2000 To Present.**      **Executive Editor** of Alexandria Engineering Journal
- March 1996 To Present.**      **Professor** of Nuclear Engineering, Nuclear Engineering Dept., Faculty of Engineering, Alexandria University.
- Aug. 1984 To March 1996.**      **Assistant, and Associate Professor** of Nuclear Engineering, Nuclear Engineering Dept., Faculty of Engineering, Alexandria University.

## **SOME PROFESSIONAL ACTIVITIES:**

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| <b>June 2007 To Present</b>   | <b>Member of the Management Council</b> of the Egyptian Atomic Energy Authority   |
| <b>2004 To Present</b>        | <b>Member of the Scientific Committee</b> for Promotion of Professors, the Egyptian Atomic Energy Authority               |
| <b>2002 To Present</b>        | <b>Consultant</b> to the Egyptian Second Research Reactor (ETRR-2)  |
| <b>1998-2000</b>              | <b>Member of the Reactor Safety Committee</b> of the Egyptian Second Research Reactor (ETRR-2)                            |
| <b>Nov. 1990 To Mar. 1992</b> | <b>Visiting Scientist</b> , Chemical Research Institute, <b>Juelich Nuclear Research Center (KFA)</b> , Juelich, Germany  |
| <b>Nov. 1989 To Apr. 1990</b> | <b>Visiting Scholar</b> , Nuclear Engineering Dept., <b>University of California-Berkeley</b> , Berkeley, California, USA |

## **SOME TEACHING EXPERIENCE:**

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| <b>1984- Present</b> | Teaching at the <b>Faculty Of Engineering</b> different courses at the undergraduate and graduate levels including: <ul style="list-style-type: none"><li>-<b>Modern Physics</b>                      - <b>Nuclear Physics</b></li><li>-<b>Introduction to Materials Science and Engineering</b></li><li>-<b>Radiation Detection and Measurements</b></li><li>-<b>Nuclear Fuel Cycle</b>                - <b>Applications of Radioisotopes</b></li><li>-<b>Environmental Courses</b>        -<b>Technical Writing</b></li></ul> |
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## **SOME EDUCATIONAL ACTIVITIES:**

- **Member of Research Team on the Public Acceptance and Impact of Nuclear Application on the Development in Egypt** (The Academy of Scientific Research)
- Member of the **Editorial Board of IJAER** (India Journal of Applied Engineering Research)

## **GRADUATE SUPERVISION**

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| <b>1984-Present</b> | Completed over <b>20 M Sc theses</b> , and <b>7 PhD theses</b> Most of them on ETRR-2 Development. |
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## **SOME MEMBERSHIPS:**

- Egyptian Engineers Syndicate
- American Nuclear Society
- Materials Research Society

## **SOME RECENT PUBLICATIONS:**

**0- M.Y.Khalil, M. S. Aljohani and M. E. Elgohary,** “Multi-Layered  $\text{BF}_3$  Detectors Response Matrix Simulation from Thermal to 30 MeV Neutrons,” under publication, *Nuclear Instruments and Methods*.

**1- Khalil, M.Y. and Elsakhawy, Kh.,** “Budget Uncertainty And Minimum Detectable Concentrations Using Relative, Absolute And  $\text{K}_0$  –IAEA Standardization For The INAA Laboratory Of The ETRR-2,” , Accepted for oral presentation, *International Conference on Research Reactors: Safe Management and Effective Utilization, Sydney, Australia 5–9 November (2007)*

**2- Mohamed Y. Khalil, Mohamed S. Nag, Kamal A. Talha and Mohga I. Hassan,**” Effect of iodine chemical form on thyroid doses during a severe accident,” *Int. J. Low Radiation, Vol. 3, No. 1, pp. 105-116 ( 2006)*

**3-M. I. Hassan, K. A. Talha, M.S. Nagy, and M. Y. Khalil,** “Safety Assessment of Iodine and Hydrogen Released During a Severe Accident in a Pressurized Water Reactor,” *J. Nuclear Energy Science And Technology, Vol. 1, No 4, pp351 - 367 (2005)*

**4-M.Y.Khalil, M.K. Shaat and A.Y. Abdelfatah,** “Neutronic Conceptual Design of the ETRR-2 Cold-neutron Source Using the MCNP code,” *Physica B, (2005).*

**5-M.Y.Khalil, M.A. Sultan, M.H.Hassan and A.Y.Abdelfatah,** “Parametric analysis of the neutron transmutation doping (NTD) facility at the Egyptian Second Research Reactor (ETRR-2)” *Technical Note, Annals of Nuclear Energy,32, pp 355-365 (2005)*

**6-D. Abdelrazek, M. Y. Khalil, M. K. Shaat and A. M. Shokr,**” Steady state thermal-hydraulic analysis for the ETRR-2 Research Reactor,” *KERNTECHNIK, Vol. 69, No. 3, pp. 1-6 (2004)*

**7-M. Y. Khalil, I. D. Abdelrazek, M. E. Nagy, A. M. Shokr,** “Hot channel factors evaluation for thermalhydraulic analysis of MTR reactors,” *Nukleonika, Vol. 49, No.1, pp 61-67 (2004)*