

Name: ***Mohamed Ibrahim Morsi Ali***.

1 Kafr abdou st,Roushdy, Alexandria, Egypt.
Home tel.: 03-5436265.
Mobile: +20-1060966168.

E-mail:
dr_mohamedmorsi@hotmail.com

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1. ***Occupation:***

- **Professor** - Radiation Sciences Department, Medical Research Institute, Alexandria University.

2. ***Personal data:***

- **Date of birth:** December 27th, 1959.
- **Nationality:** Egyptian.

3. ***Qualifications:***

- **B.Sc. in Chemistry (1981)**, Faculty of Science, Alexandria University.
- **M.Sc. in Appied Medical Chemistry (Radiation Chemistry) (1987)** – Applied Medical Chemistry Department – Medical Research Institute, Alexandria University.

"Correlation between carcinoembryonic antigen (CEA) and C-reactive protein (CRP) as prognostic parameters in patients with urinary bladder carcinoma"**.**

Published in : The Egyptian Journal of Medical Sciences, Vol. 8,No.2,1987:303-318.

The Egyptian Journal of Medical Sciences, Vol. 8,No.2,1987:319-330.

- **Ph.D. in Applied Medical Chemistry (1995)** – Applied Medical Chemistry Department – Medical Research Institute, Alexandria University.

  "Evaluation of cyclic Adenosim Monophosphate (cAMP) and nuclear estrogen receptor (ER_n) in mammary tumour female rats after irradiation and hormonal therapy"**.**

  Bublished in the medical jounal of cairo university ,Vol.63 No.4 ,December 1995, 799-811.

4. Positions held:

- **Demonstrator** in Radiation Sciences Department (1981-1988).
- **Assistant Lecturer** in Radiation Sciences Department (1988-1995).
- **Lecturer** in Radiation Sciences Department (1995-2000).
- **Assisstant Professor** in Radiation Sciences Department (2000-2006).
- **Professor** in Radiation Sciences Department (2006).
- **Professor** in Radiology Department, Omar Al-Mokhtar Univesity ,Tobrouk ,Lybia (2006-2016).
- **Professor** in Radiation Sciences Department (2016-present).
- **Head** of Radiation Sciences Department (2016-2020).

5.Teaching Experience

- Lecturing **Radio-isotopes** and **Radiation Sciences** courses for medical students: Preparatory course for MSc, M R I , Alex. Univ., (1995-2005).
- Lecturing **Radiobiology,Radiation protection, Nuclear Medicine, Oncology, Research methodology and Seminar, Medical Terminology** courses in the Radiology department, Faculty of Medical Technology, Omar Al-Mukhtar University, Lybia(2006-2016).
- Lecturing Radiation protection 1711707, Exposure to radiation 1711709 ,Radiation physics 1711701, Mathematics of radioacticity 1711703, Applied radiation sciences 1711705, waste management 1711706, Basics of radiobiology 1711704, Decontamination 1711713, Radiobiology 1711802, Radiation and cancer 1711805,

Experimental Radiobiology 1711806, in master degree and PhD degree in radiobiology,MRI, Alex.Univ. (2016 – present).

- Assistant in monitoring degrees and controlling the results of pre-graduate students of Faculty of Medical Technolog , Omar al-Mokhtar university, tobrouk , Lybia . (2006 - 2016).

6. ***Technical activities:***

- Carrying out and supervising the routine activities of the department including hormonal and tumor marker assays bs Radioimmunoassay (RIA), Immunoradiometric assay (IRMA) and Enzyme Imunnoassay (EIA).

7. Workshops and training programs (as organizer and lecturer):

- Assisting in lecturing and training in the joined training course of Radiation Sciences department and Applied Medical Chemistry Department entitled **"A training course on assaying Tumour Markers and its clinical applications in diagnosis and prognosis of neoplastic diseases"**.
- Radiation protection as a habit for Health Occupational radiation workers. Medial research Institute,Alenandria university and STDF.

8. Other activities:

Member of The Egyptian Society of Nuclear Medicine Specialists.

9. Publications:

- Abdel-Moneim NA, Awad SI, **Morsi MI** and El-Zoghby SM: Alpha-fetoprotein and hepatitis B virus markers in relation to liver cirrhosis and to hepatocellular carcinoma during chemotherapy. *Bull Alex Fac Med 1997; XXXIII (2): 223 – 230.*

- Abdel-Moneim NA, Hussein NG, **Morsi MI**, Shaheen NE, Abou-Raoash NM and El-Sayed LH: Effect of two chemotherapeutic regimens on some biochemical and immunological parameters in breast cancer patients. *Med Sci Res 1998; 26: 301 – 307.*

- Nafea MH, El-Diffrawi MN, Sadek NA and **Morsi MI**: Cyclic Guanosine 3', 5'-monophosphate (cGMP) in patients with different types of acute leukemia before and after chemotherapy. *J Med Res Inst 1999; 20 (2): 31 – 37.*

- Saad El-Din S, Abdel-Moneim NA, **Morsi MI** and El-Sedfy AS: Effect of long-term tamoxifen on endometrium of postmenopausal breast cancer patients: Doppler

sonography, Immunohistochemistry, computerized image analysis and hormonal profile. *Med J Cairo Univer 1999; 67 (4 suppl): 433 – 446.*

- **Morsi MI** and Saad El-Din S: CA-125, albumin and sex hormones as tumour markers in diagnosis of ovarian carcinoma. *Bull Alex Fac Med 1999; XXXV (2): 133-140.*

- El-Sewedi S, Fahmy E, Alberti S, **Morsi MI** and Zaher E: A possible role of Cyclin D1, Trop-1 and Trop-2 in the transformation of two bladder cancer cell lines. *Med J Cairo Univer 2000; 68 (1 suppl):117-129.*

- Mehasseb MF, Shehata MI and **Morsi MI**: Relationship between Insulin sensitivity and plasma leptin in non-diabetic offsprings of individuals with type 2 diabetes. *J Med Res Inst 2000; 21(1): 102-114.*

- Saad El-Din S, Salam AN and **Morsi MI**: Pelvic ultrasonography and hormonal profile after ten years use of Norplant implants. *J Med Res Inst 2000; 21(1): 115-122.*

- Abd El-Raheem KM, **Morsi MI**, El-Sewy FZ: Current pathogenesis of androgenic alopecia: Measurement of testosterone level in hair of bald and non-bald areas. *Med J teaching hospi instit 2001; 50: 11-15.*

- **Morsi MI**, Abd El-Moneim NA, Hassan AAM, Al-Sharaky AS. Radioimmunoassay of plasma glutathione S-transferase-Pi as a tumour marker in hepatocellular carcinoma. *Bull Alex Fac Med 2001; XXXVII (3): 379-384.*

- **Morsi MI**, Abd El-Moneim NA, El-Zoghby SM: Serum Insulin-like growth factor I (IGF-I) and its binding protein 3 (IGFBP-3) in relation to estrogen in postmenopausal patients with breast cancer receiving tamoxifen with and without vitamin A. *Med J Cairo Univ 2003; 71 (3 suppl): 149-157.*

- El-Abd EA, **Morsi MI**, Zaki S, Sobhy A. Relationship between serum levels of some hormones and angiogenesis with clinicopathological behavior in Egyptian breast cancer patients. *Bull Alex Fac Med 2003; XXXIX (3): 257-264.*

- Mahmoud K, **Morsi MI**. Effect of dobutamine on the left ventricular combined Myocardial Performance Index and B-type natriuretic peptide in symptomatic heart failure. *J Med Res Inst 2003; 24 (2 suppl.): 65-81.*

- Mohasseb M, Ebeid SA, **Morsi MI**, Ghanem A, Farhat N, Gaber M. Plasma homocysteine as indicator of folate and vitamin B_{12} status in children with acute lymphoblastic leukemia. *Bull Alex Fac Med 2004; XXXX: 211-217.*

- Mostafa M, **Morsi MI**, Hussein AE, El-Abd E, Abd El-Moneim NA. Evaluation of tumor necrosis factor α (TNF-α), soluble P-Selectin (sP-Selectin), Gammaglutamyl transferase (GGT), Glutathione S-Transferase Pi (GST-Pi) and alphafetoprotein (AFP) in patients with hepatocellular carcinoma before and during chemotherapy. Turkish Journal of Cancer, 2005, 35(1), pp. 5–11

- **Morsi MI**, Abdel-Moneim NA, Hussein NG, Abd Al-Rahman EM, Abd Al-Baki. Soluble Intercellular adhesion molecule-1 (sICAM-1), CA 15-3, Glutathione (GSH), Glutathione-S-Transferase (GST) in different clinical stages of premenopausal breast cancer patients. *Egy J Biochem Mol Biol 2005; 23: 226-237.*

- Moustafa MM, **Morsi MI,** Saad I. The potential effect of alcohol on Carbohydrate Antigen 19-9, Alkaline Phosphatase and IgG in alcohol abusers. *J Med Res Inst 2005; 26 (2); 1-6.*

- **Morsi MI**, Youssef A, Hassouna ME, El-Sedafy A, Ghazal AA, Zaher E. Telomerase activity, Cytokeratin 20 and Cytokeratin 19 in urine cells of bladder cancer patients. *J Natl Cancer Inst 2006; 18 (1): 82-93.*

- **Morsi MI,** El-Kerm YM, Saad AA, Shaheen NE, El-Benhawy SA. Evaluation of the role of Her-2/neu and Matrix Metaloproteinase-9 in breast cancer patients. *Med J Cairo Univ 2006; 74 (2): 283-289.*
- **Morsi MI,** Zaki S, Fayed WI, Moustafa MM, Abou El-Eneen MS. Serum Bone TRAP 5b and ICTP as prognostic markers in bone metastases from primary breast cancer. *Med J Cairo Univ 2006; 74 (2): 317-24.*

- Marwa Sameh Abou El-Eneen , **Mohamed Morsi**, Mostafa Soula: Oral N-Acetyl Cysteine Administration Improved Oxidative Status in Medical Radiation Workers. - Arab Journal of Nuclear Scienses and applications 2020;53(2):19-25.

- Sanaa A. El-Benhawy , Nadia A. Sadek , Mahmoud M. Kamel, , Ahmed M. Sharaf , Ibrahim G. Abderhman , **Mohamed I. Morsi** , Asmaa Abobakr. Study the relationship of endothelial damage / dysfunction due to occupational exposure to low dose ionizing radiation versus high dose exposure during radiotherapy. Cancer Treatment and Research communications 25 (2020) 100215.

- Sanaa A. El-Benhawy1, **Mohamed I.Morsi** , Rasha A. El-Tahan, Noura A. Matar , Hawa MG Ehmaida. Radioprotective Effect of Thymoquinone in X-irradiated Rats. Asian Pac J Cancer Prev 2021, 22 (9): 3005-3015.

- Sanaa A El-Benhawy, **Mohmed I Morsi**, Enayat I Fahmy, Moustafa A Soula, Fatma Al Zahraa FH Khalil, Amal R R Arab. Role of Resveratrol as Radiosensitizer by Targeting

Cancer Stem Cells in Radioresistant Prostate Cancer Cells (PC-3). Asian Pac J Cancer Prev 2021, 22 (12), 3823-3837.

- Sameh F. Nakhla, Shady H. Fadel, Maram H. Al-adawi, and **Mohamed I. Morsi** , Evaluation of radiation-induced thyroid disorders in non-thyroid head and neck cancers in childhood . INTERNATIONAL JOURNAL OF CANCER AND BIOMEDICAL RESEARCH (IJCBR), DOI: 10.21608/jcbr.2022.XXXXXXX.

- Magdi A. Ali, Eman El-Abd, **Mohamed Morsi**, Mohamed M. El Safwanyand Mohamed Z. El-Sayed , The effect of hepatic steatosis on 18F-FDG uptake in PET-CT examinations of cancer Egyptian patients. European Journal of Hybrid Imaging (2023) 7:19 https://doi.org/10.1186/s41824-023-00173-6.

10. Supervised Thesis:

Ph.D. Thesis

- Plasma insulin – like growth factor (IGF-I) and its binding protein-3 (IGFBP-3) in relation to sex hormones in postmenopausal patients with breast cancer receiving tamoxifen with and without vitamin A.
- Triclabendazole pharmacokinetics and its effect on active fibrogenesnis in patients with single and dual infection with fasciolasis and schistosomiasis.
- Telomerase activity, Cytokeratin 20 and Cytokeratin 19 in urine cells of bladder cancer patients.
- A Study to Assess the Role of 18F-FDG PET/CT Radiomic Features in Predicting KRAS, BRAF and EGFR Mutation Status in Metastatic Colorectal Cancer Patients.
- Assessment of the effect of hepatic steatosis on 18F-FDG uptake in PET-CT examinations and it's relation with the body mass index (BMI).
- Study the role of resveratrol as radiosensitizer by targeting cancer stem cells in radioresistant prostate cancer cells (PC-3) treated with ionizing radiation.
- Studying the role of Rottelrin as a radiosensitizer by targeting HOTAIR, PI3K/Akt/mTOR signaling pathway and EMT-markers in prostate cancer cells (PC3) .
- Study the Radiosensitization of Artesunate by Targeting Stemness and Hypoxia Markers on Solid Ehrlich Tumor Implanted in Mice.

Master Thesis

- CA-125, albumin and sex hormones as tumour markers in diagnosis of ovarian carcinoma.
- A possible role of Cyclin D1, Trop-1 and Trop-2 in the transformation of two bladder cancer cell lines.
- The effect of electromagnetic field and aflatoxin on mice liver treated with antioxidant.
- Radioimmunoassay of plasma glutathione S-transferase-Pi as a tumour marker in hepatocellular carcinoma.
- Detection of P53 protein in serum of Hepatocellular carcinoma and hepatitis C patients.
- Blood Glutathione S-Transferase activity and level of soluble Adhesion Molecule-1 (sICAM-1) in serum of breast cancer patients: Before and after treatment.
- Plasma homocysteine as indicator of folate and vitamin B_{12} status in children with acute lymphoblastic leukemia.

- Tartrate -resistant Acid Phosphatase, Carboxy Terminal Telopeptide of Type I Collagen and CA 15.3 as Prognostic Factors for Subsequent Metastases from Primary Breast Cancer.
- Evaluation of the role of serum C-erbB2 and Matrix Metaloproteinase-9 (MMP-9) in breast cancer patients.
- Assessment of Radioprotective Effect of Thymoquinone in Rats Exposed to Ionizing Radiation.
- Non-invasive biomarkers circulating endothelial cells (CECs) and plasma thrombomodulin as indicator of the endothelial dysfunction due to the occupational exposure to low dose ionizing radiation versus high dose exposure during radiotherapy.
- Modulation of MiRNA195 and Transforming Growth Factor beta in positive and negative Her-2 breast cancer cells.
- Evaluation of Radiation-induced thyroid abnormalities during crania or Head and neck area Radiotherapy in childhood.
- Significance of Long-Noncoding RNA ATB and SChLAP1 Expression in Bone Scan-Confirmed Metastatic Prostate Cancer Patients.
- A Study of Apoptotic and Necroptotic Death Pathways Interrelationships and Influence on Breast Cancer Cell Response to Radiotherapy.
- Evaluation of the role of Gallium 68 PSMA PET/ MRI compared to MRI alone in clinical staging of Prostate Cancer Patients.
- Individualized Breast Cancer Responses Testing for Chemotherapy and Radiotherapy Treatment Protocols.
- Evaluation of platinum agents Radiosensitization in Non-Small Cell Lung Cancer Patients Using Circulating 126 and 513 a miRNAs.
- Association between BRAF and KRAS Mutations and Clinicopathological Features after Iodine-131 Treatment in Patients with Thyroid Cancer.
- Comparative study between (PET) Simulation and CT for Head and Neck Cancer Treatment and their potential effect on Thyroid Gland.
- Investigating the Role of BRAF and EGFR Mutations in Thyroid Cancer Patients' Response to Radioiodine Uptake Therapy.
- Impact of 68Ga-PSMA-11 PET/CT on the Planning Of Definitive Radiation Therapy for Prostate Cancer

11. Attended training programs and workshops

- **Faculty and Leadership Development Center (FLDC):**

1. **Effective Presentation Skills (I1), December 25-28, 2004.**
2. **Ethics of the Education Profession (P4), June 18-20, 2005.**
3. **Time & Stress Management (P3), July 24-27, 2005.**
4. **Managerial Skills (P2), August 13-16, 2005.**
5. **Curriculum Design (T4), May 13-14, 2006.**
6. **Quality Assurance & Accreditation (T12), May 15-16, 2006.**
7. **University law and regulation 19-20 April 2017.**
8. **University Financial skills development 22-23 April 2017.**
9. **Executive leadership skills development 24-25 April 2017.**
10. **Strategic thinking and leadership 26-27 April 2017.**
11. **Innovative problem solving and decision making 29-30 April 2017.**