

## CURRICULUM VITAE

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**Sex** : Male  
**Date of Birth** : 2 July 1969  
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**Membership** : Member in Scientific Professions Syndicate.



### **Educational Background :**

\*PhD degree in Human Physiology under the title: Soluble Fas: A Novel Marker of Inflammation and Cardiovascular Diseases in End Stage Renal Disease Patients (Tanta University, 2011).

\*Master degree in Immunology under the title: "Characterization of *Pseudomonas aeruginosa* associated with urinary tract infection in renal transplant patients"(Cairo University, 2004).

\*B.Sc. in Zoology, Faculty of Science, Cairo University with very good degree (1991).

**Appointment :** Lecturer Fellow in Medical Analysis at Urology & Nephrology Center, Mansoura University.

### **Technical Experiences :**

Since 15-5-1993 till now, in Department of Laboratories of Urology & Nephrology Center, Mansoura University.

\*Routine Microbiology Lab.: {4 years} bacteriological analysis including bacterial & fungal culture, antibiogram and urine analysis. Tuberculosis detection by using Zeil-Nelsen method, culturing and Polymerase Chain Reaction techniques (PCR). Serological analysis using haemoagglutination and ELISA Assays. Virological analysis by using ELISA, RIBA and PCR

techniques.

**\*Routine Clinical Biochemistry and hematology investigations: {9 years} Manual & Auto-analyzer instruments (Beckman, Coulters and Sysmex systems). Monitoring Lab., measuring of many drugs and antigen levels in whole blood. Blood Bank works; night shifts on duty in the stat lab.**

### ***Experiences of Science Research :***

**Research works in Molecular Biology and cell culture Lab.: {2006 till now} By using gel electrophoresis systems, PCR techniques, Real Time-PCR and digital droplet PCR instruments. Gene expression of stem cells and tumor markers. Proteomic studies by 2D Gel electrofocusing for detecting a new pathways using BioRad systems.**

### ***International Publications :***

- 1) Transplantation of Insulin-Producing Clusters Derived From Adult Bone Marrow Stem Cells to Treat Diabetes in Rats.  
*Experimental and Clinical Transplantation (2008) 3: 236-243.***
- 2) Biochemical induction of adult bone marrow hematopoietic stem cells into insulin producing cells.  
*Current Topics in Biochemical Research, (2012) 14,1: 45-56.***
- 3) Impact of Calcitriol on Human Squamous and Transitional Carcinoma Cell Lines Bladder. Mahmoud M. Gabr, Mohamed A. Taha and Mahmoud M. Zakaria  
*J. Basic. Appl. Sci. Res., (2013) 3 (2) 526-531.***
- 4) Insulin-Producing Cells from Adult Human Bone Marrow Mesenchymal Stem Cells Control streptozotocin-Induced Diabetes in Nude Mice.  
*Cell transplantation (2013) Vol. 22, 133-145.***
- 5) Generation of Insulin Producing Cells from Human Bone Marrow-Derived Mesenchymal stem cells: Comparison of Three Differentiation Protocols.  
*BioMed Research International (2014) Vol. 2014, ID 832736.***
- 6) Differentiation of Human Bone Marrow-Derived Mesenchymal Stem Cells into Insulin-Producing Cells: Evidence for Further Maturation In Vivo.**

*BioMed Research International (2015) Vol. 2015, ID 575837.*

- 7) Anticancer activity of *Aloe vera* and *Calligonum comosum* extracts separately on hepatocellular carcinoma cells.

*Asian Pacific Journal of Tropical Biomedicine (2015); 5(5): 375-381.*

- 8) Effect of pathogenic bacteria on reliability of CK-19, CK-20 and UPII as bladder cancer genetic markers: A molecular biology study.

*Science Direct J. (2015) Vol. 05.*

- 9) Protective and curative role of allyl isothiocyanate against bladder carcinogenesis in rats.

*International Journal of Advanced Research (2015), Volume 3, Issue 9, 544 – 554.*

- 10) Circulating Tumor Cells in Bladder Cancer: Preliminary Report on Optimization of Detection and Investigation of Their Diagnostic and Prognostic Roles.

*The Journal of Oncopathology, 2015 Vol. June, ID: 100127.*

- 11) A newly developed silymarin nanoformulation as a potential antidiabetic agent in experimental diabetes. *Nanomedicine (Lond.)* ISSN 1743-5889 September 2016.

- 12) The use of TERT and CK20 as a trial for early diagnosis of HCC in animal model. *International Invention Journal of Medicine and Medical Sciences* (ISSN: 2408-7246) Vol. 3(8) pp. 173-178, October, 2016.

- 13) Is Solitary Kidney More Resistant To Ischemia? Results of an Experimental Prospective Study in a Canine Model. *Egyptian Urological Association* November 17th, 2011.

### **Training Courses :**

1. Workshop in the First Immunology Conference held in Urology & Nephrology Center, Mansoura University associated with Hospital Saint-Louis, France (27-31 March

1994).

**2. Applications of Diagnostic Molecular Biology PCR, advance Technologies in Diagnosis, Research & Training Center on Vectors of Diseases, Ain Shams University (9-12 June, 1997).**

**3. Completed Training Course in Real-Time PCR at TATAA Biocenter, Freising, Germany (15-17 June, 2009).**

**4. Training on operation/maintenance equipments BioRad Real Time PCR, (20 Mai, 2013).**

**5. Pluripotent Stem Cell Training Workshop at Life Technologies, Glasgow, Scotland (8-10 April, 2014).**

**6. 2D Proteomic Workflow Training at BioRad Laboratories, Dubai, UAE (10 -12 Jan, 2016).**

**7. Digital Droplet PCR (QX200) Workflow Training at BioRad Laboratories, Dubai, UAE (12-14 Jan, 2016).**

**8. Spark 10M Product Training Course, Grodig, Salzburg, Austria (17-18 Nov., 2016).**

**9. AutoMACS Pro Workshop at Miltenyi Biotec GmbH, Klön, Germany (23 Nov., 2016).**

***Attendance in Conferences :***

**1. International Conference of Microbiology and Infection Control, Cairo, Egypt (1997).**

**2. Clinchem, Clinical & Chemical Pathology Conference, Cairo University, Egypt (2010).**

**3. qPCR Symposium, the ongoing evolution of qPCR, University of Vienna, Austria (2010)**

**4. Clinichem Conference, Clinical & Chemical Pathology Department, Cairo University, Egypt (2011).**

**5. RNAi & Nanotechnology Conference, London, United Kingdom (2012).**

- 6. International Conference in Molecular Biology and Cell, Istanbul, Turkey (2015).**
- 7. Colloquium Gene & Stem Cell Therapy for Diabetes, Cambridge University, UK (April, 2016).**
- 8. International Conference in Hepatology, Chicago, USA (Mai, 2016).**

***Oral Presentation in International Conferences:***

- 1. Colloquium Gene & Stem Cell Therapy for Diabetes, Cambridge University, UK (April, 2016). Under the title: From human Mesenchymal Stem Cells to Insulin Producing Cells Experimental Studies at Urology & Nephrology Center, Egypt.**
- 2. International Conference in Hepatology, Chicago, USA (Mai, 2016). Under the title: Anticancer Activity Aloe vera and Calligonum comosom extracts separetely on hepatocellular carcinoma.**

***Special Training for Faculty & Leadership Development :***

- 1. Quality Standards in the Education Process, University Development Center, Mansoura University (1-2 Dec., 2013).**
- 2. International Publication of Scientific Research, University Development Center, Mansoura University (12-14 Jan., 2014).**
- 3. Use of Technology in Teaching, Research, University Development Center, Mansoura University (11-12 Mai., 2014).**
- 4. Presentation Skills, Research, University Development Center, Mansoura University (28-29 Sep., 2014).**
- 5. Conference Organization, Research, University Development Center, Mansoura University (21-22 Dec., 2014).**
- 6. Managing Time & Meeting, Research, University Development Center, Mansoura University (4-5 Jan., 2015).**