
CURRICULUM VITAE

*Dr. Salwa Mohamed Mohamed
Abou El-khair*

**Assistant Professor of Medical
Biochemistry and Molecular Biology**

Personal Information

Name	Family Name	Abou El-khair		
	First Name	Salwa		
	Middle Name	Mohamed		
Present position	Assistant professor of Medical Biochemistry			
Gender	Female			
Date of Birth	5 - 11 – 1973			
Place of Birth	Mansoura			
Nationality	Egyptian			
Residence Address	Talkha 16 Ghannam Street			
Marital Status	Married & 5 children			
University ID				
Languages	Language	Reading	Writing	Speaking
	English	v. good	v. good	v. good
E- mail	dr.salwakhair@gmail.com salwakhair@mans.edu.eg			
Telephone	Home	+ 20 (50) 2524452		
	Mobile	01226644767		

○ <u>Qualification:</u>	
1	<ul style="list-style-type: none">• Professional development program• Teaching Excellence in Egyptian Medical Education• EKB, Supreme Council of Universities, Military Medical Academy of Egypt.• April to December 2018
2	<ul style="list-style-type: none">• Diploma of :• Health Professions Education (DHPE)• Suez Canal University• November 2009.
3	<ul style="list-style-type: none">• Ph.D in Medical Biochemistry, (2006)• Faculty of Medicine,• Mansoura University,• Egypt.

4	<ul style="list-style-type: none"> • Master of Medical Biochemistry, (May2003) • Faculty of Medicine, • Mansoura University, • Egypt.
5	<ul style="list-style-type: none"> • B.Sc. In Medicine and General Surgery, (November, 1997). • Faculty of Medicine, • Mansoura University, • Egypt.

Teaching experiences:

- From 1999-2004:- Demonstrator in Medical Biochemistry Dep.- Faculty of Medicine-Mansoura University
- From 2004-2007:- Assistant lecturer in Medical Biochemistry Dep.- Faculty of Medicine-Mansoura University
- From 2007- 2012:- Lecturer in Medical Biochemistry Dep.- Faculty of Medicine-Mansoura University.
- From 2012 – till now:- Assistant Professor in Medical Biochemistry Dep.- Faculty of Medicine-Mansoura University.
- Teaching in Mansoura Manchester Medical Program (Problem Based Learning) for undergraduate students in Mansoura Faculty of Medicine from year 2009-until now.
- Coordinate 1st semester, new integrated program, Faculty of Medicine, Mansoura University, 2018-2019.

Teaching Activities

*** Undergraduate , Medical Biochemistry & Molecular Biology Course, 1999 till now**

- Enzymes
- Hormones
- Vitamins
- Physical chemistry
- Lipid Chemistry
- Protein chemistry
- Carbohydrate chemistry
- Nucleic acid chemistry
- Biological oxidation
- Protein metabolism
- Amino acids metabolism
- Carbohydrate metabolism
- Lipid metabolism
- Molecular biology
- Experimental biochemistry
- Clinical chemistry

*** Practical courses for the first and second year medical students of medical biochemistry: & prepare the scientific content for them.**

*** Post-graduate, Medical Biochemistry & Molecular Biology Course, 2007 till now :**

1- Practical courses for the master degree candidates of medical biochemistry (first part):

- Spectrophotometry.
- Chromatography.
- Electrophoresis: polyacrylamide, 2-Dimensions
- Immune assay (ELISA & RIA techniques).
- Molecular biology techniques (DNA & RNA extraction, principle of PCR & RT-PCR, conventional PCR, Real time RT-PCR, methylation analysis techniques, Gel electrophoresis).
- Proteomics
- Western blot technique

2- Weekly scientific seminar preparation, revision and arrangement of the medical biochemistry department scientific meeting.

3- Theoretical courses for the master degree (1st and 2nd parts) and Ph.D degree candidates of medical biochemistry

*** Trainer in workshops in medical education and new integrated program, Faculty of Medicine, Mansoura University.**

*** Coordinate 1st semester, new integrated program, Faculty of Medicine, Mansoura University, 2018-2019.**

Laboratory equipments, techniques:

- 1- High performance liquid chromatography (HPLC)
- 2- ELISA techniques
- 3- Radioactive labelling techniques
- 4- Gel electrophoresis: agarose, polyacrylamide, 2-Dimentional
- 5- Molecular Biology Techniques: (DNA & RNA extraction, PCR & RT-PCR, Real time RT-PCR, Gel electrophoresis).
- 6- Polymerase Chain Reaction (PCR)
- 7- Real time RT_PCR
- 8- Arbitrary primed methylation sensitive PCR
- 9- Methylation specific PCR
- 10- Proteomics analysis techniques
- 11- Western blot
- 12- Flow cytometry.
- 13- Cell culture

Thesis Supervision

In faculty of medicine:

- 1- metastasis suppressor genes: molecular mechanisms and regulation
- 2- role of micro RNAs in gene regulation and carcinogenesis
- 3- mTOR: a central node in normal cell growth and cancer metabolic reprogramming
- 4- Role of XRCC1 gene polymorphism in susceptibility to hepatocellular carcinoma and relation to insulin resistance.
- 5- Expression of autophagy-related markers in breast cancer.
- 6- Role of microRNA-149 (miRNA-149) gene polymorphism in HCV induced HCC in Egyptians.
- 7- Study of RECK Gene methylation in different stages of HCV induced hepatocellular carcinoma.
- 8- Biochemical markers for early diagnosis of acute infectious complications in liver transplant recipients.
- 9- Vascular endothelial growth factor in patients with unresectable hepatocellular carcinoma before and after trans-arterial chemoembolization and its prognostic value.
- 10- Clinical and biochemical changes in patients with HCV related cirrhosis treated by direct acting antiviral drugs.
- 11- In vitro biochemical variability of susceptible and non-susceptible isolates of Trichomonas vaginalis to Metronidazole
- 12- Trichomoniasis: clinical variability, molecular diagnosis and genotyping.
- 13- Association between programmed cell death 1 gene polymorphisms and risk of systemic lupus erythematosus in Egyptian population.
- 14- Vitamin D as an adjuvant therapy in osteoarthritis.
- 15- Study of miRNA 155 regulation in tumor cell line.
- 16- Study of vascular endothelial growth factor serum level and its relation to early recurrence of HCC in Egyptian patients undergoing direct acting antiviral therapy.
- 17- Glycated proteins as non-invasive markers for assessing the degree of liver fibrosis in HCV infected patients

In faculty of dentistry:

1- The relationship between passive smoking, dental caries and salivary parameters in a group of primary school children in Mansoura city.

In faculty of Science:

- 1- Early detection of ovarian cancer by new techniques to reduce human infertility.
- 2- Study of gene expression of mesothelin and osteopontin as diagnostic biomarkers for ovarian cancer.
- 3- Study of mir-155 regulation in tumour cell lines.

M. Sc Thesis: Relationship between serum leptin and insulin levels in non insulin dependent diabetes mellitus.

PhD Thesis: Effect of DNA methylation on expression of cell cycle regulators in bladder carcinoma

Publications and papers

- 1- Raymonde H. Assaf, Ahmed B. Shehab El-Din, Mohamed A. Said, Fagr B. El-Shahat, **Salwa M. Abo El-khair**: Effect of DNA methylation on expression of cell cycle regulators in bladder carcinoma. It was presented as an oral talk in the annual International Conference of cancer, Moraco, (2007).
- 2- **Salwa M. Abo El-khair**, Mie A. Mohamed, Tamer E. Alkhairy (2012): Role of Progranulin Gene Expression as a Molecular Biomarker for Bladder Cancer. American Journal of Biochemistry and Biotechnology 6 (3): 172-180 (2012).
- 3- **Salwa M. Abo El-khair** - Abd El-hameed A Metwali - Mohamed Abd El-Maksoud - Tarek Besheer (2012): Study of CTLA-4 Gene Polymorphism in Relation to Thyroid Disorders in Patients with Chronic Hepatitis C under Interferon Alpha Therapy. American Journal of Biochemistry and Biotechnology 8 (3): 179-194 (2012). DOI: 10.3844/ajbbsp.2012.179.194.
- 4- Nasr M. Abd El-Razek, Hadeyah A. Mostafa, Salwa A. Hegazy, **Salwa M. Abo El-Khair** (2012): The relationship between passive smoking, dental caries and salivary parameters in a group of primary school children in Mansoura city. Egyptian Dental Journal. July 58 (3): 1-16 (2012).
- 5- **Salwa M. Abo El-khair**, Ayman Z. Elsamanoudy, Mohamed Ghonem, Abd El-hameed A Metwali and Adel Elbadrawy (2012): Plasma Homocysteine and Methylenetetrahydrofolate Reductase Gene Polymorphism as Risk Factors for Silent Brain Infarction in Elderly Type 2 Diabetic Patients. JMMB, (2012): accepted for publishing on 20th May (2012).
- 6- Ayman Z. Elsamanoudy, **Salwa M. Abo El-khair**, Amr M.Abbas,Hussein F.Sakr and Abdel Hamid A.ELmetwali.(2009): Resistin and adiponectin gene polymorphism in patients with some chronic liver diseases and its relation to insulin resistance.EJBMB (Special Issue):55-82.
- 7- **Salwa M. Abo El-khair**, Elsamanoudy AZ, .Saleh SM, kassem M, Sabry D, Sakr HF and ELmetwali. AA (2009): Association between E-Selectin S128R (A561C) polymorphism and diabetic retinopathy: A possible relationship. EJBMB (Special Issue):83-101.
- 8- Elsamanoudy AZ, **Salwa M. Abo El-khair**, Sakr HS and ELmetwali. AA (2010): Prothrombotic state in Metabolic Syndrome: Role of PAI-1 Gene Polymorphism. JMMB, 8 (1):1-24.
- 9- Ayman Z. Elsamanoudy, **Salwa M. Abo El-Khair**, Hussein Abdelaziz Abdalla, Tarek Besheer, Hatem A. El-Alfy, and Abdel Hameed A Metwali (2013): IL-28B rs12979860 gene polymorphism as a predictor for hepatocellular carcinoma in Egyptian patients with chronic HCV genotype four. The Egyptian Journal of Biochemistry & Molecular Biology 31 (2): 195-214.
- 10- Ghoneim FM, Khalaf HA, Elsamanoudy AZ, **Salwa M. Abo El-Khair**, Helaly AM, Mahmoud el-HM, Elshafey SH (2015): Protective effect of chronic caffeine intake on gene expression of brain derived neurotrophic factor signaling and the

immunoreactivity of glial fibrillary acidic protein and Ki-67 in Alzheimer's disease. *Int J Clin Exp Pathol.* 2015 Jul 1; 8 (7): 7710-28. eCollection 2015.

- 11- **Salwa Abo El-khair**, Shaalan D, Ghoneim FM (2017): Cardio-protective effect of selenium in chronic induced hypoxia: study of apelin signaling, HIF-1 α gene expression and CD34 immuno-reactivity. *Arab. J. Lab. Med.* Vol. 42, No. 1 : 227- 244
- 12- Assaf R, Baiomy A, Shoma A, **Salwa Abo El-khair**, El-Hanafy A (2017): Gene expression of autophagy related markers as prognostic biomarkers in breast cancer. *Arab. J. Lab. Med.* (2017) Vol. 42, No. 1 : 301 – 314
- 13- **Salwa M. Abo El-khair**, Azza Abdel-Aziz, Basel Refky (2017): Mesothelin gene expression as a differentiating biological marker for ovarian cancer. *Arab. J. Lab. Med.* (2017) Vol. 42, No. 3: 403-416.
- 14- Aida A. Abdel-Magied, El-Said I. El-Kholya, **Salwa M. Abou El-Khair**, Eman S. Abdelmegeed, Marwa M. Hamoudaa, Sara A. Mohamed, Nora Labeeb El-Tantawy: The genetic diversity of metronidazole susceptibility in *Trichomonas vaginalis* clinical isolates in an Egyptian population. *Parasitol. Res.* (2017) 116:3125–3130.
- 15- Wafaa A Abou-kamar, Aida A Abdel-Mageid, Hala A El-Nahas, Raefa A ATIA, **Salwa A Abou Elkhair**, Alaa A Mosbah , Nora L El-Tantaw: Genetic relatedness of *Trichomonas vaginalis* isolates to the clinical variability. *J Mol. Microbiol.* (2017) Vol. 1 No. 1: 103.
- 16- Fatma Azzahraa Hisham, Hoda Nada, Amr M. Yassin, Salwa M. Abo El-khair: Role of sTREM-1 in Early Diagnosis of Acute Infectious Complications in Liver Transplant Recipients. *Arab. J. Lab. Med.* (2017) Vol. 42, No. 3.
- 17- Ayman Z. Elsamanoudy, Dalia Shaalan, **Salwa M. Abo El-khair**, mohammad gaballah, Ahmed F. State, Ahmed M.N. Helaly: NRF2 gene expression and DNA fragmentation markers as possible predictors of chronic smoking induced spermatozoa dysfunction in infertility with normal seminogram. *Human Andrology* (2017).
- 18- **Salwa Abo El-khair**, Mohamed Gaballah, Mamdouh Abdel-Gawad, Shreif Ismail and Ayman Elsamanoudy: Spermatozoal Fractalkine signaling pathway is upregulated in subclinical varicocele patients with normal seminogram and low level leucospermia. *Advances in Urology* (2017).
- 19- **Salwa M. Abo El-khair** , Mona Arafa , Tarek Besheer , Ahmed M. El-Eraky and Ayman Z. Elsamanoudy: The Association of XRCC1 Gene Polymorphisms and Chronic Hepatitis C Induced Insulin Resistance in Egyptian Patients. *Cells* 2018, 7, 185; doi: 10.3390.
- 20- H Elalfy , MA El-Maksoud, S Abed, MA El Aziza, AZ Elsamanoudy, **S Abo-EL Khair**, MA Mohamede, W Elkashefe, K Zalatae, R Faraga and M Arafaa.: Clinicopathological impact of Anti Smooth Muscle Antibodies in patients with Nonalcoholic Fatty Liver Disease. *British Journal of Biomedical Science* (2019).
- 21- M Arafa, T Besheer, AM EL-Eraky, **SM Abo El-khair**, AZ Elsamanoudy: Genetic Variants of XRCC1 Gene and Risk of Hepatocellular Carcinoma In Chronic Hepatitis C Patients. *British Journal of Biomedical Science* (2019).
- 22- **SM Abo El-khair**, W Sameer, N Awadallah and D Shaalan. Programmed cell death 1 gene polymorphism as a possible risk for systemic lupus erythematosus in Egyptian females. *Lupus* (2019) 0, 1–8

Fields of Interest:

- Cancer researches.
- Molecular Biology.
- Gene polymorphism and its relation to pathogenesis of diseases.
- Carcinogenesis.
- Molecular reproduction.
- Stem cell researches.
- Gene therapy.
- Nutrigenetics.
- Medical Education (recent trends in upgrading the process of medical education).
- Quality management of Health care reform.
- Medical ethics.

Conference attendance:

- 1- The VI annual conference of clinical pathology and The VII Egyptian –French seminar of Immunology and Molecular Biology (September 25-26, 2002).
- 2- Annual scientific congress of Egyptian society of Biochemistry & molecular Biology (ESBMB) Cairo, Egypt [2003].
- 3- The annual scientific conference of Mansoura Faculty of Medicine titled: Quality Assurance in Scientific Research. Held in (Mansoura –Alexandria) on March 17-19,2004
- 4- Annual scientific congress of Egyptian society of Biochemistry & Molecular Biology [ESBMB]. Cairo, Egypt April [2004].
- 5- The second international congress of early Cancer Detection Unit (Title: Current state of viral hepatitis and liver cancer in Sharkia governmate, Egypt {Problem and Risk Factor}) (May 5-6, 2004).
- 6- Annual scientific congress of Egyptian Society of Biochemistry & Molecular Biology [ESBMB] Cairo. Egypt. April [2005].
- 7- The annual conference of the Egyptian Society of Biochemistry and Molecular Biology. April 19-20, 2006.
- 8- The annual scientific congress of Mansoura Faculty of Medicine titled: New Trends in Medical Education & Evaluation. Held in Mansoura –Alexandria, May, 18-20, 2006.
- 9- Workshop on PBL (problem based learning) for faculty of Medicine, Mansoura university-2-3 October -2006 organized by center of research and development in medical education and health services.
- 10- Annual scientific congress of Egyptian Society of Biochemistry & Molecular Biology [ESBMB] Cairo. Egypt. April 19-20 [2007].
- 11- The annual scientific congress of Mansoura Faculty of Medicine titled: New trends in Mansoura Medical School. Held in Mansoura-Alexandria, April, 24-28, 2007.
- 12- The fourth International Oncology Conference, 7-10 July, 2007. Titled: Female Malignancies.
- 13- The 1st Scientific Conference of Medical Biochemistry Dep. In Collaboration with the Egyptian society of Biochemistry and Molecular Biology(ESBMB).Titled :

Medical Biochemistry and Molecular Biology: New Horizons in Environmental Promotion, February 14, 2008

- 14- Annual scientific congress of Egyptian Society of Biochemistry & Molecular Biology [ESBMB] Cairo. Egypt. April 22-23, 2008, titled: Human Genome: A Revolution in Modern Biochemistry and Molecular Biology.
- 15- The IXth annual scientific conference of the clinical pathology department, Mansoura faculty of medicine "Laboratory imprints for early diagnosis" May 7th – 8th [2008].
- 16- The 2nd Scientific Conference of Medical Biochemistry Dep. In Collaboration with the Egyptian society of Biochemistry and Molecular Biology (ESBMB). Titled: New Horizons in Medical Biochemistry and Molecular Biology. 21 February 2009.
- 17- The annual conference of the Egyptian Society of Biochemistry and Molecular Biology. April 28-29, 2009. Titled: Recent Advances in Biochemistry And Molecular Biology.
- 18- The Xth Annual Scientific Conference of Clinical Pathology Dep. Mansoura University, Faculty of Medicine. Titled: Clinical Pathology and patient care: A cross talk. April 29-30th, 2009.
- 19- The 4th annual conference of Internal Medicine Department. Titled: Systemic affections in Hepatobiliary Disorders, 7-8 May 2009.
- 20- The first annual conference of medical experimental research center (MERC), Mansoura faculty of medicine, titled: Stem cell and regenerative medicine, 8th April 2010.
- 21- The annual conference of the Egyptian Society of Biochemistry and Molecular Biology. April 14-15, 2010. Titled: Biochemistry and Molecular Biology "Present and Future".
- 22- The 5th annual conference of Internal Medicine Dep. May 20-21 2010 titled: Updates in Hepato-Endocrine Disorders.
- 23- The 2nd annual conference of medical experimental research center (MERC), Mansoura faculty of medicine, titled: nanotechnology and Stem cell transplantation in regenerative medicine (kidney, liver & heart), 28th – 29th September 2010.
- 24- The 3rd Scientific Conference of Medical Biochemistry Dep. In Collaboration with the Egyptian society of Biochemistry and Molecular Biology (ESBMB). Titled: Frontiers of Medical Biochemistry and Molecular Biology. November 11/12, 2010.
- 25- The 1st annual workshop of department of psychiatry, child psychiatry unit, titled: disruptive behavioural disorder; attention deficit hyperactivity disorder, 22th December, 2010
- 26- 4th annual conference of rheumatology, immunology & haemodialysis units. Titled kidney in rheumatic and immunologic disorders. 14-15 July 2011.
- 27- 4th annual Mansoura rheumatology & immunology conference. Titled immunology of rheumatic disorders. 13-14 October 2011.
- 28- The 6th annual scientific conference of medical physiology department, Mansoura faculty of medicine, titled: neovascularisation from basic science to clinical application, 10th April, 2012.

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- 29- The annual conference of the Egyptian Society of Biochemistry and Molecular Biology. April 19-20, 2012. Titled: Recent Advances in Biochemistry & Molecular Biology.
 - 30- The conference of Mansoura Oncology Center, May 16, 2012. Titled: cancer prevention day.
 - 31- The first laboratory scientific meeting of OCMU (laboratory and cancer). Oncology Center- Mansoura University (OCMU), Mansoura Faculty of Medicine, 26 December 2012.
 - 32- 27th Annual scientific conference of paediatric department, faculty of Medicine, Mansoura University. From 26 to 28 January 2014. Mansoura, Egypt.
 - 33- The scientific day of liver and GIT doctors committee titled interferon free regimen for HCV case presentation. 29 May 2014.
 - 34- 9th Annual conference internal medicine department, specialized medical hospital, Mansoura Faculty of Medicine, Egypt. 2014. Titled: infections in internal medicine frontiers & challenges.
 - 35- Annual conference of Mansoura Faculty of Medicine 16 November 2016. Titled: new trends in accreditation of medical schools.

Educational Courses & Scientific workshops:

- 1- I had completed the Intensive Training Course on: "molecular techniques in nucleic acids and proteins, Held in Alexandria University-Institute of Graduate Students & Research (IGSR)-University of Alexandria Research Center (UNARC) on April 1-5, 2000.
- 2- English training course for master degree (2000).
- 3- Training course in Teacher qualification and development (2005).
- 4- Workshop on PBL (Problem Based Learning) for faculty of Medicine, Mansoura university-2-3 October -2006 organized by center of research and development in medical education and health services.
 - 5- I have completed the training courses of the Faculty and Leadership Development Project (FLDP) : **These courses are:**
 - a) Teaching evaluation, 21 – 23 January, 2006.
 - b) Skills of effective communication, 4 – 6 June, 2006.
 - c) Methods for scientific research, 11 – 14 June, 2006.
 - d) Effective teaching, 25 – 28 June, 2006.
 - e) Time and meetings management, 25 – 28 May, 2008.
 - f) Examination systems and students evaluation, 23 – 25 May, 2010.
 - g) Organization for scientific conferences, 28 – 30 November, 2010.
 - h) Application of academic standards of the educational program, 15 – 18 April, 2012.
 - i) Management of the research team, 22 – 24 April, 2012.
 - j) The credit hour system, 29 April – 2 May, 2012.
 - k) National & international competition research projects, 28-29 January 2014.
 - l) University administration, 28-29 September 2014.

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- 6- Workshop "Uses and Application of High Performance Liquid Chromatography", Medical Biochemistry Department, Faculty of Medicine, Mansoura University. February, 2009.
 - 7- Workshop "DNA extraction and Polymerase Chain Reaction", Medical Biochemistry Department, Faculty of Medicine, Mansoura University. February, 2009.
 - 8- I had completed the Intensive Training Course on: Training course for "training of trainers" (TOT), Mansoura faculty of Medicine, (18 hours, 2009).
 - 9- I had completed the Intensive Training Course on: interactive electronic board. (Three professional credit hours) on April 2009, held at the e-learning unit, mansoura faculty of medicine.
 - 10- I have completed the training courses of the Faculty and Leadership Development Project (FLDP) : These courses are:
 - 1- National and international competitive research projects, 28-29/1/2014.
 - 2- University administration, 28-29/9/2014.
 - 3- Strategic planning, 23-24/6/2015.
 - 4- Financial and legal aspects in university works, 1-2/9/2015.
 - 5- Scientific research engines and university sorting methods, 2-3/4/2017
 - 6- Design and production of electronic courses, 9-10/4/2017.
 - 11- Training course for automatic chemistry device Konelab 20xt (Thermo Fisher), working and calibration.
 - 12- Training course for hormones and tumour markers device AIA360 (TOSOH), working and calibration.
 - 13- Applied Biosystem 7500 real time PCR system training: basic knowledge and understanding of real time PCR technology and applications.
 - 14- Training course for awareness of ISO 15189: 2007. Medical laboratories: particular requirements for quality and competence. March 2013
 - 15- Training course for internal audit awareness. 11-14 May 2013.
 - 16- Training course for Promega Maxwell 16 instrument. 23-26 March 2014.
 - 17- Training course for quality curves & calculation of uncertainty.
 - 18- Training course for question bank preparation of health field. 18-20 April, 2019

Funded Projects:

- Project of qualifying of liver lab of Medical Biochemistry Department for accreditation from 28/6/2012
- Budget: 1,000,000 L.E. from Ministry of Higher Education and Mansoura University.
- Role: help in implementation of requirements of ISO15189 quality standards to qualify the accreditation. Vice head of molecular Biology unit.

Memberships

- 1) Membership of the Egyptian Medical Syndicate.
- 2) Egyptian Society of Medical Biochemistry and Molecular Biology.
- 3) Editorial and advisory board In Egyptian Journal of Medical Education (EJME) <http://www.ejme.org>.
- 4) Member of Mansoura medical ethics committee.

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- 5) Reviewer member in institutional research board (IRB) of Mansoura Faculty of Medicine.
 - 6) Trainer member for Faculty and Leadership Development Project (FLDP) training courses.
 - 7) Member of Medical Education Unit, Faculty of Medicine, Mansoura University.

Student Activities

- Member of 6th year control, 2013-2016.

Languages

- Arabic – native language
- English – speak fluently and read/write with high proficiency

Computer skills:

- **ICDL certificate** and passing :-
 - 1- Training course for ICDL in using computer and managing files "Windows" (2007).
 - 2- Training course for ICDL in Word processing "WORD" (2007).
 - 3- Training course for ICDL in spread sheets "EXCEL" (2007).
 - 4- Training course for ICDL in databases/filing system "ACCESS" (2007).
 - 5- Training course for ICDL in basic concept of information technology "IT" (2007).
 - 6- Training course for ICDL in information and communication "INTERNET" (2007).
 - 7- Training course for ICDL in presentation "POWER POINT" (2007).
- I have been completed the **SPSS** course from Mansoura University and gain its certificate (FLDP).
- I had completed the Intensive Training Course on: **interactive electronic board**. (Three professional credit hours) on April 2009, held at the e-learning unit, mansoura faculty of medicine.
- I have a good experience in dealing with the internet in scientific researches