**CURRICULUM VITAE (CV)**

***Personal informations:***

* **Name**: Gamal Othman Youness
* **Religion**: Muslim
* **Gender**: Male
* **Nationality**: Egyptian
* **Social** **status**: Married and have 2 children
* **Date** **of** **birth**: October, 30, 1969

***Contact informations:***

* **CorrespondingAddress**: Al Maarefa Colleges-Riyadh- KSA.
* **Residence**: Princess Noura university campus – housing 2 (block 25)
* **Phone**: - Mobile: 0546732037 - 0544454264
* **e-mail**: ***jyounis@mcst.edu.sa*** -***dr.gothman@yahoo.com***
* **Passport Details :** No: A114433329 **Valid up to:**19/2/2021
* **Total Experience : 23** years from MBBCH and **11** years from PhD

***Work address:*** Mansoura University- Faculty of Medicine – Medical Biochemistry Department. Now Al Maarefa Colleges in Riyadh (faculty of Medicine).

***Qualifications:***

* **M.B.B.Ch: Very Good With Honor, Faculty of Medicine,** Mansoura University, Egypt, November, 1994.
* **M.Sc. Medical Biochemistry:** **Very Good**, **Faculty of Medicine**, Mansoura University, Egypt, 2002.
* **Ph.D. Medical Biochemistry:** **Faculty of Medicine**, Mansoura University, Egypt, 2005.
* **Professional diploma in clinical nutrition from National Nutrition Institute (NNI) 2012-**2013 (credit hours)
* **Workshop on problem based learning (PBL), 2-3/10/2006, center for research and development in medical education and health services (CRD) A WHO collaborating center, Ismailia faculty of medicine, Suez Canal University.**
* **Workshop on problem based learning (PBL), 31/1/2016 to 4/2/2016, the 7th international winter course on problem based learning in medical education at Sulaiman Al Rajhi colleges Al Bukaairyah, Qassim in collaboration with Maastricht University under training of Prof. Cees Van der Vleuten and his colleagues (basic course and PBL problem, course and curriculum design)**

***Experience and positions:***

* **Rotating Internship:** Hospitals of Mansoura University from September, 1994 to July, 1995.
* **GP in Ministry of health hospitals:** September 1995 to May 1996.
* **Resident of general surgery in Mansoura University Hospitals:** June 1996 to March 1997.
* **Demonstrator of Medical Biochemistry: Faculty of Medicine,** Mansoura University, from July, 1997 to August, 2002.
* **Assistant Lecturer of Medical Biochemistry: Faculty of Medicine,** Mansoura University, from September, 2002 to February, 2006.
* **Lecturer of Medical Biochemistry: Faculty of Medicine,** Mansoura University, from March, 2006.
* **Associate professor of Medical Biochemistry: Faculty of Medicine,** Mansoura University, from May, 2011.
* **Coordinator of ISO in medical biochemistry department (Quality Assurance Unit), Faculty of Medicine, Mansoura University.**
* **PBL tutor and lecturer in Mansoura-Manchester medical program since 2006,** Faculty of Medicine, Mansoura University in collaboration with Manchester Faculty of Medicine, England
* **Visitor professor and external examiner** for Tubrok Medical School, Omar Al Mokhtar university, Al bidhaa, Libya, 2007
* **PBL tutor, experimental moderator and lecturer for students of medicine, pharmacy and dentistry** in Libyan International Medical University (LIMU), Ben Ghazi, Libyia April and May, 2009.
* **Moderator in liver lab project** in medical biochemistry dep, Mansoura faculty of medicine.
* **Associate professor of Medical and clinical Biochemistry and medical genetics: Al Maarefa College, Riyadh, Saudia Arabia from April 2014 till now**.

***Teaching experience:***

* **Experimental course** of biochemistry for **1st year Medical students**, Faculty of Medicine, Mansoura University.
* **Tutorial teaching** of biochemistry for **1st year Medical students**, Faculty of Medicine, Mansoura University.
* **Experimental course** of biochemistry for **2nd year Medical students**, Faculty of Medicine, Mansoura University.
* **Tutorial teaching** of biochemistry for **2nd year Medical students**, Faculty of Medicine, Mansoura University.
* **Experimental course** of biochemistry for **1st year Dental students**, Faculty of Dentistry, Mansoura University.
* **Experimental course** of biochemistry for **1st year Technical students**, institute of medical technicians, Ministry of Health.
* **PBL tutor** in **Mansour-Manchester medical program**, Faculty of Medicine, Mansoura University in collaboration with Manchester Faculty of Medicine, England
* **Lectures** of Medical biochemistry for **1st and 2nd year's Medical students**, Faculty of Medicine, Mansoura University.
* **Top scorer** as a lecturer based on student feedback on **Faraby system in FLDP** in Mansoura University web site.
* **Teaching medical biochemistry and clinical biochemistry in modules (PHSL, HMIM, RESP, CVS, Endo, URIN, REPR, GIT, CNS, THER and Genetics blocks) and genetics in Al-Maarefa medical college.**

***Membership:***

* Membership of the **Egyptian Medical Syndicate**.
* Membership of Egyptian Society of Biochemistry & Molecular Biology (**ESBMB**).
* Membership of Mansoura Student Scientific Association (**MSSA**)
* Membership of Egyptian Society for Progenitor Cell Research (**ESPCR**)
* Member of **Committee for Education and Student Affairs** of Mansoura faculty of medicine (2012—2013)
* Member of **Affairs Committee of Graduate Studies and Research** of Mansoura faculty of medicine (2011-2012)
* Member of **Commission crises and disasters and Environmental Affairs** of Mansoura faculty of medicine (2011-2012)
* Pioneer of **Safwa family of students** (2012-2013)
* Member of **Environmental Affairs Committee and Community Service** (2013-2014)

*Publications and Symposia:*

*Books Authorized:*

* **Calcitonin gene related peptide and endothelin-1 in coronary heart disease:** A thesis submitted for partial fulfillment of M.Sc. Degree in Medical Biochemistry, Medical Biochemistry Department, Faculty of Medicine, Mansoura University, Mansoura, Egypt, 2002.
* **Nitric oxide synthase and some biochemical markers in patients with liver disease:** A thesis submitted for partial fulfillment of M.D. Degree in Medical Biochemistry, 2005.

*Published Papers:*

* 1. **Adel Zalata , Ayman Z. El-Samanoudy , Gamal Osman , Samir Elhanbly, and Hoda A.Nada (2007):** Genetic Polymorphism of Cytochrome P450- 2D6\*4 and sperm function in male infertility. The Egyptian Jouranl of Biochemistry and molecular Biology (special issue). 25: 383-397.
	2. **Fatma Ibrahim, Jilan Youssef, Gamal Othman and Nader awad (2007):** Chronic Periodontits and Coronary Heart Diseases Association: Fact Or Fallacy? Egyptian Dental Journal, 53:2905-2915
	3. **Adel Zalata , Abd Naser awdy, Gamal Othman, Amal A. Aziz and Mahmoud Uosef (2009) :** Renin Angiotensin System Genotypes and oxidized LDL in Hypertensive patients. The Egyptian Jouranl of Biochemistry and molecular Biology. 27 (supplement): 291-308.
	4. **Wahdan Abd El-Ghany, Somaya El-Telety, Tarek Abd El-Galil, Gaber Yakout and Gamal Othman (2010)**: The effect of antiasthmatic medications on oral health and saliva in a group of asthmatic children. Egyptian dental journal, 56(4)(2010) : 63–77
	5. **Elyamani Fouda, Ayman El Nakeeb, Alaa Magdy, Enas A. Hammad, Gamal Othman and Mohamed Farid (2010):** Early Detection of Anastomotic Leakage after Elective Low Anterior Resection. Journal of Gastrointestinal Surgery, 25: 417-440.
	6. **Adel Zalata , Ayman El Baz, Gamal Othman (2010)**: DNA Fragmentation, Oxidative Stress and Disturbed Methionine Metabolism in Human Spermatozoa. Journal of Medical Molecular Biotechnology 8(1) (2010): 57-72.
	7. **Gamal Othman, Ayman Elbaz, Khaled Farid, Ashraf Omar and Mohamed Arafa (2010)**: Immunopathological study of Egyptian patients with chronic HCV infection, role of α-defensin, RANTES, and TNF-α. Bulletin Of Egyptian Society For Physiological Sciences, 30(2) (2010): 35-46.
	8. **Gamal Othman, Abd Elnaser badawy, Rizk Elbaz and Ahmad Ragab (2010):** Thrombophilic Genes Mutations in preeclampsia. Bulletin Of Egyptian Society For Physiological Sciences. 30(2):21-34
	9. **Maha Houssen, Amany Ragab, Abeer Mesbah, Ayman Z. El-Samanoudy, Gamal Othman, Amal Moustafa , Farid Badria (2010)**: Natural anti-inflammatory products and leukotriene inhibitors as complementary therapy for bronchial asthma. Clinical Biochemistry 43: 887–890
	10. [**Zalata AA**](http://www.ncbi.nlm.nih.gov/pubmed?term=Zalata%20AA%5BAuthor%5D&cauthor=true&cauthor_uid=23201383)**,** [**Mokhtar N**](http://www.ncbi.nlm.nih.gov/pubmed?term=Mokhtar%20N%5BAuthor%5D&cauthor=true&cauthor_uid=23201383)**,** [**Badawy AE**](http://www.ncbi.nlm.nih.gov/pubmed?term=Badawy%20AE%5BAuthor%5D&cauthor=true&cauthor_uid=23201383)**,** [**Othman G**](http://www.ncbi.nlm.nih.gov/pubmed?term=Othman%20G%5BAuthor%5D&cauthor=true&cauthor_uid=23201383)**,** [**Alghobary M**](http://www.ncbi.nlm.nih.gov/pubmed?term=Alghobary%20M%5BAuthor%5D&cauthor=true&cauthor_uid=23201383)**,** [**Mostafa T**](http://www.ncbi.nlm.nih.gov/pubmed?term=Mostafa%20T%5BAuthor%5D&cauthor=true&cauthor_uid=23201383) **(2013):** Androgen Receptor Expression Relationship with Semen Variables in Infertile Men with Varicocele. The Journal of Urology [Volume 189, Issue 6](http://www.jurology.com/issues?issue_key=S0022-5347(13)X0005-9) , Pages 2243-2247, June 2013
	11. **Mohammad Amin Mohammad, Nesreen Mostafa Omar, Amany H Mansour, Sherin Mohamed Abd El-Aziz and Gamal Othman (2014):** 25-Hydroxyvitamin D3 Level in patients with chronic viral hepatitis B. J. Med. Sci., 14(4):192-200.
	12. **Mohammad Amin Mohammad, Alaa Mahamad A. Hakeem El-Gamal, Nesreen Mostafa Omar, Abdelhadi M Shebl, Amany H Mansour, Sherin Mohamed Abd El-Aziz, Gamal Othman and Soad Amin Mohammed (2014):** Faecal Calgranulin C versus faecal Calprotectin as non invasive markers distinguishing functional from organic causes of chronic diarrhea. J. Med. Sci., 14(4):179-191.
	13. **Mohammad Amin Mohammad, Nesreen Mostafa Omar, Abdelhadi M Shebl, Amany H Mansour, Emad Elmasry and Gamal Othman (2014):** Celiac Disease Prevalence and its HLA-genotypic profile in Egyptian patients with type 1 diabetes mellitus. Trends in medical Research 9(2):81-97.
	14. **Mohammad Amin Mohammad, Rokia Anwar, Amany H Mansour, Emad Elmasry and Gamal Othman (2014):** Effects of Intragastric Balloon Versus Conservative Therapy on Appetite Regulatory Hormones in Obese subjects. Trends in medical Research 9(2):58-80.
	15. **Hamada M.M.S.Ahmad, Tarek Medhat Abbas, and Gamal Othman (2015):** The association between urinary angiostatin and urinary angiostatin to urinary creatinine ratio with lupus nephritis and their correlation to disease activity. International Journal of Advanced Research, Volume 3, Issue 9, 1276- 1284.
	16. **Hamada S Ahmad, Gamal Othman, Sherief E Farrag (2015):** Decreased Serum Levels of Macrophage Derived Cytokine and Matrix Metalloproteinase-9 are associated with Disease Activity in the Patients with Systemic Lupus Erythematosus. Rheumatology: Current Research, Volume 5 • Issue 4 • 1000176.
	17. **Hamada S Ahmad, Osama Kombar, Ibrahim Shady, Reham M Shahat and Gamal Othman (2015):** Baseline Synovial Blood Flow Signals in Very Early Rheumatoid Arthritis is Associated with Joint Inflammation and Radiographic Joint Damage. Current Research, Volume 5 • Issue 3 • 1000164
	18. **Sherief E Farrag, Hamada S Ahmad, Gamal Othman, Afaf Abd El-Hafez, Amir A Monir (2016):** Subclinical heart failure in juvenile idiopathic arthritis: A consequence of chronic inflammation and subclinical atherosclerosis. Egyptian Rheumatology & Rehabilitation, 43:78-83

*Computer experience:* ICTP (Microsoft word, excel, PowerPoint and internet….)

*Skills****:***  Very good skills in the following techniques:

1. Restriction Fragment Length Polymorphism (RFLP),
2. Southern blotting,
3. Comet technique,
4. Electrophoresis (gel, agarose, acrylamide),
5. High performance liquid chromatography (HPLC),
6. Image analysis,
7. Experimental. Animals,
8. DNA Extraction,
9. RNA Extraction,
10. Polymerase Chain Reaction (PCR),
11. Reverse Transcriptase Polymerase Chain Reaction (RT-PCR),
12. Radioimmunoassay,
13. Semen Analysis,
14. ELISA
15. Mutational studies
16. Colorimetric and spectrophometric studies
17. Haematological studies
18. Column chromatography
19. Urine and stool analysis
20. Culture and sensitivity tests
21. Microscopic examinations

*Research supervision:*

*Master degree*

1. Gene therapy in cancer bladder.
2. Nanotechnology in medical diagnosis and therapeutics.
3. Hallucinogens in brain metabolism.
4. Insulin resistance among HCV patients and its impact on treatment.
5. Effect of RECK gene polymorphisms on hepatocellular carcinoma susceptibility and progression

*MD degree*

1. The effect of antiasthmatic medications on oral health and saliva in a group of asthmatic children.
2. Biochemical risk factors in hepatorenal syndrome.
3. Study of cytochrome P450 2C gene polymorphism in patients on clopidogrel after coronary intervention.

*Conferences*

* **The annual scientific conference of Mansoura Faculty of Medicine (Quality Assurance in Medical Schools Towards a Future Competent Medical Education)** October, 15th – 17th, 2002
* **The annual scientific conference of Mansoura Faculty of Medicine "Quality Assurance in Scientific Research" By Faculty of Medicine – Mansoura University – Egypt.** Mansoura – Alexandria on 17 – 19 March, 2004.
* **The Egyptian Society of Biochemistry and Molecular Biology (ESBMB) Annual Conference.** Faculty of Medicine, Cairo University, April 2004
* **Second International Congress of Early Cancer Detection Unit, Faculty of Medicine, Zagazig University.** 5-6 May 2004
* **The annual scientific congress of Mansoura Faculty of Medicine (Quality Assurance and Accreditation of Medical Schools).** April 2005
* **The Egyptian Society of Biochemistry and Molecular Biology (ESBMB) Annual Conference.** Large Ceremony Hall-Cairo University, April 2004.
* **The Egyptian Society of Biochemistry and Molecular Biology (ESBMB) Annual Conference.** Faculty of Medicine, Ain Shams University, April 2005.
* **The Egyptian Society of Biochemistry and Molecular Biology (ESBMB) Annual Conference.** Faculty of Medicine, Ain Shams University, April 2006.
* **The VI conference of clinical pathology and the VII Egyptian-French Seminar on Immunology and Molecular Biology,** Mansoura Faculty of Medicine September, 2002
* **The Annual Scientific Congress of Mansoura Faculty of Medicine (New Trends in Medical Education & Evaluation)** Mansoura- Alexandria, May, 18th – 20th, 2006
* **The Annual Scientific Congress of The Egyptian Society of Biochemistry and Molecular Biology (ESBMB).**  Cairo, Egypt, April, 19th – 20th, 2007.
* **The Annual Scientific Congress of Mansoura Faculty of Medicine (New Trends in Mansoura Medical School)** Mansoura – Alexandria, April, 24th – 28th, 2007.
* **The 1st Scientific Conference of Medical Biochemistry Department, Faculty of Medicine – Mansoura University, in Collaboration with The Egyptian Society of Biochemistry and Molecular Biology.** Mansoura, Egypt, February, 14th, 2008.
* **The Annual International Conference on "Human Genome: A Revolution in Modern Biochemistry and Molecular Biology"** Guest House Ain Shams University, Egypt, April, 22nd – 23rd, 2008.
* **The 2nd Scientific Conference of Medical Biochemistry Department, Faculty of Medicine – Mansoura University, in Collaboration with The Egyptian Society of Biochemistry and Molecular Biology: (New Horizons in Medical Biochemistry and Molecular Biology)** Mansoura, Egypt, February, 21st, 2009.
* **The Egyptian Society of Biochemistry and Molecular Biology (ESBMB) Annual Conference (Recent Advances in Biochemistry and Molecular Biology)** Faculty of Medicine, Ain Shams University, April, 28th -29th, 2009.
* **The Egyptian Society of Biochemistry and Molecular Biology (ESBMB) Annual Conference (Biochemistry and Molecular Biology; present and future)** Faculty of Medicine, Ain Shams University, April, 2010.
* **The 3rd Scientific Conference of Medical Biochemistry Department, Faculty of Medicine – Mansoura University, in Collaboration with The Egyptian Society of Biochemistry and Molecular Biology: (frontiers in Medical Biochemistry and Molecular Biology)** Mansoura, Port Said, Egypt, February, 21st, 2009.
* **The 3rd Scientific** symposium "diagnosis and management of systemic fungal infections" Mansoura University Hospitals.
* **The 9th Annual Conference of** the Egyptian Group of Colon & Rectal Surgeons, July, 2007, Sharm El Sheikh.
* **The 4th international Oncology conference** "Female Malignancies" Oncology center – Mansoura University, July, 2007.
* **The 2nd international congress of progenitor cell research**, June, 2010, Cairo university conference center
* **The 2nd annual conference of medical experimental research center**, Mansoura faculty of medicine, September 2010 " Nanotechnology and stem cell transplantation in regenerative medicine (kidney, liver and heart)
* **The Ixth annual scientific conference laboratory imprints** for early, May 2010, clinical pathology department, faculty of medicine, Mansoura University.
* **The 1st annual Scientific conference community medicine department "Emergency preparedness**" March, 2008, Mansoura Faculty of Medicine
* **The 5th annual conference internal medicine department,** specialized medical hospital, mansoura faculty of medicine, May 2010 "update in hepato-endocrine disorders"
* **The 4th annual scientific conference of medical physiology department** " Swine flu (A/H1N1): physiological and clinical reflection" April, 2010
* **The 3rd annual conference of the rheumatology and immunology unit,** Mansoura Faculty of Medicine "Rheumatology and Immunology updates A focus on diabetes and endocrinal disorders" July 2010.

***Training courses, workshops and seminars:***

***Scientific workshops:***

* **Application of High Performance Liquid Chromatography.** February, 2009. Medical Biochemistry Department, Faculty of Medicine, Mansoura University.
* **Workshop "DNA extraction and Polymerase Chain Reaction".** February, 2009. Medical Biochemistry Department, Faculty of Medicine, Mansoura University.
* **Workshop 'Basic molecular techniques in molecular biology".** Medical Biochemistry Department, Faculty of Medicine, Mansoura University. October, 2010.
* **Workshop in updated technology in diagnosis and therapy of critical patients at Mansoura Emergency Hospital, Oct, 1996.**
* **Application of PCR biotechnology in medical diagnosis, March,** 1999, Institute of Graduate Studies and Research, Alexandria University.
* **Modern techniques in genetic engineering, 4-**8/4/1999, Institute of Graduate Studies and Research, Alexandria University.
* **Molecular biology and methods of protein separation, April, 2001**, Institute of Graduate Studies and Research, Alexandria University.
* **The workshop of stem cells differentiation: laboratory techniques, June, 2010, Kasr Al Ainy**
* **Training progam "Teaching Skills"** August, 2010 Mansoura Faculty of Medicine.
* **The workshop in updated technology in diagnosis and therapy of critical patients (Emergency in vascular surgery),** October, 1996, Mansoura Emergency Hospital.

***In the field of Quality Assurance and Educational Development:***

* **English Language Course for postgraduate Medical Students,** Faculty of Medicine, Mansoura University, 1997.
* **Program on University Teacher Preparation** Faculty of Education, Mansoura University from July, 2002 to August, 2002.
* **Research methodologies. 25-27/9/2004. Faculty of Education, Mansoura University, FLDP Centre**
* **Communication skills.28-230/9/2004. Faculty of Education, Mansoura University, FLDP Centre**
* **Ethics and professional ethics. 2-3/10/2004. Faculty of Education, Mansoura University, FLDP Centre**
* **Thinking skills. 5-7/10/2004, Mansoura University, FLDP Centre**
* **Lectures on Scientific Research Development arranged by Scientific Committee,** Mansoura Faculty of Medicine, 2005.
* **Workshop on problem based learning (PBL), 2-3/10/2006, center for research and development in medical education and health services (CRD) A WHO collaborating center, Ismailia faculty of medicine, Suez Canal University.**
* **Evaluation of Education. 21-23/1/2006. Faculty of Education, Mansoura University, FLDP**
* **Research Management, from 17/7/2006 to 19/7/2006** Mansoura University, FLDP.
* **Teaching with technology, from 24/7/2006 to 26/7/2006** Mansoura University, FLDP.
* **Course and curriculum design, from 30/7/2006 to 1/8/2006** Mansoura University, FLDP.
* **Research Management, from 17/7/2006 to 19/7/2006** Mansoura University, FLDP.
* **Legal affairs,** **from 13/8/2006 to 15/8/2006** Mansoura university, FLDP.
* **Decision making and problem solving,** **from 9/7/2006 to 11/7/2006** Mansoura University, FLDP.
* **Effective presentation skills, 9-12/4/2006, Mansoura University, FLDP**
* **Management of Research Team from 26/04/2011 to 28/04/2011** Mansoura university, FLDP
* **Local and global competitive research projects, 28-29/1/2014, Mansoura University, FLDP**
* **Credit hours, 23-24/3/2014, Mansoura University, FLDP**
* **Exams and student evaluation systems, 6-7/4/2014, Mansoura University, FLDP**
* **University management, 20-22/4/2014, Mansoura University, FLDP**
* **Organizing scientific conferences, 27-28/4/2014, Mansoura University, FLDP**

***Activities inside Mansoura Faculty of Medicine And Mansoura University:***

***Student Activities***

* Member of 6th year control, 2005-2006
* Member of 4th year control, 2010-2011
* Member of student support committee in Medical biochemistry department
* Member of ISO committee
* Member of Medical Student Scientific Association (MSSA)
* Vice head of 4th year control, 2012-2013

***Activities in the field of community service:***

***Quality Assurance Activities:***

* Coordinator of ISO of Quality Assurance and Accreditation Committee in biochemistry department, Faculty of Medicine, Mansoura University.

***Activities inside Medical Biochemistry Department:***

* Seminar on DNA organization (2003).
* Seminar on nucleic acid extraction (2004)
* Organization of The 1st Scientific Conference of Medical Biochemistry Department-Faculty of Medicine-Mansoura University in collaboration with the Egyptian Society of Biochemistry and Molecular Biology (ESBMB) " Medical Biochemistry and Molecular Biology: New Horizones in Environmental Promotion", Mansoura, February, 2008.
* Organization of The 2nd Scientific Conference of Medical Biochemistry Department-Faculty of Medicine-Mansoura University in collaboration with the Egyptian Society of Biochemistry and Molecular Biology (ESBMB)" New Horizones in Medical Biochemistry and Molecular Biology". Mansoura, February, 2009.
* Organization of The 3rd Scientific Conference of Medical Biochemistry Department-Faculty of Medicine-Mansoura University in collaboration with the Egyptian Society of Biochemistry and Molecular Biology (ESBMB) " Medical Biochemistry and Molecular Biology: New Horizons in Environmental Promotion", Mansoura-Port Said, November, 2010.
* Organization of the workshop "Uses and Application of High Performance Liquid Chromatography”. Medical Biochemistry Department, Faculty of Medicine, Mansoura University. February, 2009.
* Organization and trainer in workshop "DNA extraction and Polymerase Chain Reaction". Medical Biochemistry Department, Faculty of Medicine, Mansoura University. February, 2009.
* Organization and trainer in workshop "DNA extraction and Polymerase Chain Reaction". Medical Biochemistry Department, Faculty of Medicine, Mansoura University. November, 2010.

***REFEREES:***

1. **Fagr El-Shahat, PhD, Professor and Head of Medical Biochemistry department, Faculty** **of Medicine, Mansoura University. Phone: +20 01002220679**
2. **Soaad Abu Azma, PhD, Professor and Ex-Head of Medical Biochemistry department, Faculty of Medicine, Mansoura University. Phone: +20 01062263300**
3. **Huda A Nada, PhD, Professor and Ex-Head of Medical Biochemistry department, Faculty of Medicine, Mansoura University. Phone: +20 1210100066**