



Curriculum Vitae

Prof / Ayman El-Baz El-Agroudy



Personal and Contact Information

- **NAME** : Ayman El-baz El-agroudy.
- **DATE OF BIRTH** : January 2nd- 1966.
- **NATIONALITY** : Egyptian.
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Scientific Qualifications

- **M.B.B. Ch:** Faculty of Medicine- Mansoura University- Egypt. 1988
- **M.Sc.:** Medical Biochemistry- Faculty of Medicine- Mansoura University- Egypt. 1994
- **Ph.D.:** Medical Biochemistry- Faculty of Medicine- Mansoura University- Egypt. 1998

- **1989** : Rotating Internship- Mansoura University Hospitals- Egypt.
- **1990** : General practitioner- Ministry of Health- Egypt.
- **1991** : Resident of Emergency Medicine- Mansoura University Hospitals- Egypt.
- **1991** : Demonstrator of Medical Biochemistry- Faculty of Medicine- Mansoura University- Egypt.
- **1994** : Assistant lecturer of Medical Biochemistry- Faculty of Medicine- Mansoura University- Egypt.
- **1998** : Lecturer of Medical Biochemistry- Faculty of Medicine- Mansoura University- Egypt.
- **2005** : Assistant Professor of Medical Biochemistry- Faculty of Medicine- Mansoura University- Egypt.
- **2011** : Professor of Medical Biochemistry- Faculty of Medicine- Mansoura University- Egypt.
- **2016** : Member of the Committee of Arbitrators to examine the scientific production of applicants for the rank of Assistant Professor and Professor (Supreme Council of Universities).
- **2017 – 2023:**
 - ❖ Head of Medical Biochemistry & Molecular Biology Department- Faculty of Medicine- Mansoura University- Egypt.
 - ❖ Head of Medical Biochemistry & Molecular Biology Unit - Horus University in Egypt.
- **2021 – 2023:**
 - ❖ Head of Medical Biochemistry & Molecular Biology Unit – New Mansoura University.
- **2023-now:**
 - ❖ Professor of Medical Biochemistry & Molecular Biology– Ibn Sina University for Medical Sciences, Amman, Jordan.
 - ❖ Dean of Faculty of Medicine – Ibn Sina University for Medical Sciences, Amman, Jordan.

- General Supervisor of Teaching & Head of the Biochemistry Unit- Faculties of Medicine, Physical Therapy, Pharmacy and Dentistry- Horus University- New Damietta (Since 2016 till 2023).
- Head of the Examination Control Committee of the Fourth Division- Faculty of Medicine- Mansoura University (Since 2011 till 2023).

- Membership of the Examination Control Committee of the Third, Fifth, and the Sixth Divisions (Since 1998 till 2011).
- Secretary of the Council of Department of Medical Biochemistry- Faculty of Medicine- Mansoura University for two Sessions (From 2010 till 2013, and from 2014 till 2017).
- General Coordinator of Student Activities with General Supervision on the Student Activity and the Performance of 7 Committees of the College Student Union- Faculty of Medicine- Mansoura University (From 2012 till 2013, and from 2020 till 2023).
- Advisor of the Sports Committee- Faculty of Medicine- Mansoura University (2012-2013, 2015-2016, 2016-2017, 2017-2018, 2018-2019, 2020 till 2023).
- Member of Community Service and Environmental Development Unit (2011-2012).
- Member of the Occupational Health and Safety Committee- Faculty of Medicine- Mansoura University (From 2010 till 2011).
- Member of the Library Committee- Faculty of Medicine- Mansoura University (From 2011-2012).
- Member of the Graduate Studies and Research Committee- Faculty of Medicine- Mansoura University (From 2012-2013).
- Member of the Education Student Affairs Committee- Faculty of Medicine- Mansoura University (2013-2014, and from 2017 till 2023).
- Member of the Student Support Committee- Faculty of Medicine- Mansoura University (2016).
- Member of the Faculty of Medicine Council- Mansoura University (From 2017 till 2023).
- Chairman of Laboratory Design Committee (for Biochemistry, Histology, Physiology, Anatomy, Microbiology, Parasitology and Pathology) at National Mansoura University (2020).

Academic & Educational Teaching Activities

- Participation in establishing the **Mansoura- Manchester Medical Program**, and attendance of a workshop about “PBL” at the Faculty of Medicine- Suez Canal University (2006).
- Active Participation in the educational process for undergraduate students in different programs at the Faculty of Medicine- Mansoura University including:
 - ❖ **Mansoura- Manchester Medical Program** based on:
 - **Problem Based Learning (PBL)**
 - **Small Group Teaching**
 - Team Based Learning
 - Self and Peer Directed Learning
 - Interactive Learning
 - Seminars
 - Presentations.
 - ❖ Old Traditional System (6 years).
 - ❖ **New Integrated Model** (5 years- credit hours).

through lectures and practical lessons (face to face and online teaching), preparation of

question banks, evaluation of oral and written exams (Essays, MCQs, True & False Qs), and assessment of practical exams (Via Objective Structured Practical Examination (OSPE stations)).

- **Published Educational Medical Books for undergraduate students**

(Faculties of Medicine, Pharmacy, Dentistry, Physical Therapy, Nursing, Agriculture, and Technical Nursing Institute):

- 1- Principles of Medical Biochemistry and Molecular Biology (For 1st year medical students).
- 2- Principles of Medical Biochemistry (For 2nd year medical students).
- 3- Bank of Questions and Answers including MCQs (For 1st year medical students).
- 4- EL BAZ's Final Revision including MCQs (For 1st year medical students).
- 5- Principles of Medical Biochemistry and Genetics, New Integrated Model (For 1st year medical students).
- 6- EL BAZ's Final Revision including MCQs, cases, oral and practical questions for the New Integrated Model (For 1st year medical students).
- 7- Practical notes (For 1st year medical students).
- 8- Written & Practical books for:
 - 1st year- Faculty of Dentistry (Mansoura University).
 - 1st year- Faculty of Dentistry (Horus University).
 - 3rd & 4th years (Nutrition Program)- Faculty of Pharmacy (Horus University).
 - 1st & 2nd years- Faculty Physical Therapy (Horus University).
 - 1st & 2nd years- Faculty Medicine (El-Azhar University- New Damietta).
 - 1st year- Faculty of Nursing (Mansoura University).
 - 1st year- Technical Institute of Nursing (Mansoura University).
 - 1st year- Technical Health Institute (Ministry of Health).
 - Level 4 (Nutrition Program)- Faculty of Agriculture (Mansoura University).

- An External Examiner in the examinations of undergraduate students in:

- 1- Faculty of Medicine (EL-Azhar University – New Damietta).
- 2- Faculty of Medicine (Zagazig University).
- 3- Faculty of Medicine (New Mansoura University).
- 4- Faculty of Medicine (Horus University – Egypt)
- 5- Faculty of Dentistry (Mansoura, Horus, and New Mansoura Universities).
- 6- Faculty of Physical Therapy (Horus University)
- 7- Faculty of Pharmacy (Mansoura, Minia, Damanhour, and Kafr El-Sheikh Universities).
- 8- Faculty of Nursing (Mansoura University).
- 9- Technical Institute of Nursing (Mansoura University).

10- Technical Health Institute (Ministry of Health).

11- Faculty of Agriculture (Mansoura University).

- **An External Examiner** and participant in giving lectures and evaluating the examinations of postgraduate students in:
 - Medical Biochemistry (1st part M.Sc. degree).
 - Medical Biochemistry (2nd part M.Sc. degree).
 - Medical Biochemistry (1st part Ph.D. degree).
 - Medical Biochemistry (2nd part Ph.D. degree).
 - Internal Medicine and Endocrinology (1st part M.D. degree).
 - Dermatology and Andrology (1st part M.D. degree).
 - Tropical Medicine (1st part M.Sc. degree).
 - Neurology and Psychiatry (1st part M.Sc. degree).
 - General Surgery (1st part M.Sc. degree)
 - Dermatology and Andrology (1st part M.Sc. degree).
 - Medical Physiology (1st part M.Sc. degree).
 - Medical Parasitology (1st part M.Sc. degree).

Training Courses and Workshops

(Total 19)

A) In Medical Biochemistry & Molecular Biology:

- 1- " Principles Of Genetic Engineering " at the Institute of Graduate Students & Research- Alexandria University, 18-22 March 2001.
- 2- " Hematology & Transfusion – Clinical Chemistry " at the Clinical Pathology Department- Faculty of Medicine- Mansoura University, 17-22 April 2004.
- 3- " PBL " at the Center of Research Development in Medical Education and Health Center- Faculty of Medicine- Suez Canal University, 2-3 Oct. 2006.
- 4- "Basic techniques in Cell Culture" at the Medical Technology Center for Research and Services- Medical Research Institute- Alexandria University, 27-29 Nov.2008.
- 5- " Molecular Biology Techniques " at the Medical Biochemistry Department – Faculty of Medicine – Mansoura University, 16 Feb. 2009.
- 6- " Applications of High-Performance Liquid Chromatography " at the Medical Biochemistry Department – Faculty of Medicine- Mansoura University, 17 Feb. 2009.
- 7- " New Horizons of Stem Cell Therapy " at Academy of Scientific Research & Technology- Cairo, 28 Feb. 2009.
- 8- " The Annual Molecular Biology " Workshop at the Unit of Biochemistry and Molecular Biology- Faculty of Medicine- Cairo University, 26th of April 2009.
- 9- " The 2nd Annual Stem Cell Workshop " at the Unit of Biochemistry and Molecular

Biology- Faculty of Medicine- Cairo University, 27 April 2009.

10- " Basic Molecular Biology " at the Medical Technology Center for Research and Services – Medical Research Institute- Alexandria University, 9-12 Dec. 2009.

B) In Administrative Fields:

- 1- " University's Financial Aspects " at Mansoura University 18-20 Oct. 2009.
- 2- " International Publishing Research " at the University Development Center, Mansoura University, 25-27 Oct. 2009.
- 3- " Conference Organization " at the University Development Center, Mansoura University, 20-22 June 2010.
- 4- " Teaching Skills " at the Quality Assurance Unit, Faculty of Medicine, Mansoura University, 8-9 Aug. 2010.
- 5- " The Credit Hour Systems " at the University Development Center, Mansoura University, 5-8 Dec. 2010.
- 6- " Faculty and Leadership Development Program" at the University Development Center-Mansoura University- 27-30 October 2020.
- 7- Training in Medical Education Program. George Washington University 2024
- 8- Professionalism in Medicine, George Washington University 2024
- 9- Management of your time, George Washington University 2025

Congresses & Scientific Seminars

(Total 26)

- 1- XVI Meeting of the International Society of Hematology European and African Division, 5-9 Jan. 2000 -Cairo - Egypt.
- 2- 47th Scientific Congress (International Meeting) of ESCC laboratory Medicine in the third millennium organized by the Egyptian Society of Clinical Chemistry, Feb 10-12, 2001 - Cairo - Egypt.
- 3- VIII International Congress on Pediatric Laboratory Medicine Innovations for the 21st Century, organized by the International Association of Pediatric Laboratory Medicine (IAPLM) & the Egyptian Society of laboratory Medicine (ESLM), 17-19 March, 2001 - Cairo - Egypt.
- 4- The Annual Scientific Congress on " Quality Assurance System in Mansoura University Hospital Present and Future " - Faculty of Medicine - Mansoura University - Mansoura - Egypt, Oct, 31st -Nov. 1st, 2001.
- 5- VII Annual Scientific Conference- Clinical Pathology Department- Faculty of Tanta- Tanta- Egypt, 25 April 2002.
- 6- 7th Annual Scientific Conference of the Egyptian Group of Diabetes, 25-27 Sept., 2002 – Alexandria- Egypt.
- 7- VIII Annual Scientific Conference, Clinical Pathology Department- Faculty of Tanta- Tanta- Egypt, 25 April 2003.

8- 5th Annual Conference of Clinical Pathology and the 5th Egyptian – French Seminar of Immunology & Molecular Biology, 4-6 Oct. 2003- Mansoura- Egypt.

9- IX Annual Scientific Conference- Clinical Pathology Department- Faculty of Tanta- Tanta- Egypt, 1 April 2004.

10- Annual Scientific Congress of the Egyptian Society of Biochemistry and Molecular Biology (ESBMB)- Cairo- Egypt, April 24-25, 2004.

11- The VII Annual Conference of Clinical Pathology and the IX Egyptian - French seminar of Immunology & Molecular Biology, 19-20 March 2005- Mansoura- Egypt.

12- 27th Annual Congress of the Egyptian Society of Hematology (ESH) in collaboration with the Egyptian Association of Transfusion Medicine, 14-15 Dec. 2005- Giza- Egypt.

13- The 8th Annual Scientific Congress of Clinical Pathology Department, Clinical Pathology: from teaching to practice, 14-15 November, 2006- Mansoura- Egypt.

14- Annual Scientific Congress of the Egyptian Society of Biochemistry and Molecular Biology (ESBMB)- Cairo- Egypt, April 19-21, 2006.

15- Annual Scientific Congress of the Egyptian Society of Biochemistry and Molecular Biology (ESBMB)- Cairo- Egypt, April 19-20, 2007.

16- The 1st Meeting of the Egyptian Foundation of Bio-molecular Research & Application, Friday-June 22, 2007- Urology and Nephrology Center- Mansoura University- Mansoura- Egypt.

17- First Scientific Conference of Medical Biochemistry Department- Faculty of Medicine- Mansoura University in Collaboration with Egyptian Society of Biochemistry and Molecular Biology (ESBMB)- Mansoura- Egypt, 14 Feb. 2008.

18- Annual Scientific Congress of the Egyptian Society of Biochemistry and Molecular Biology (ESBMB)- Cairo- Egypt, April 22-23, 2008.

19- Second Scientific Conference of Medical Biochemistry Department- Faculty of Medicine- Mansoura University in Collaboration with Egyptian Society of Biochemistry and Molecular Biology (ESBMB)- Mansoura- Egypt, 21 Feb. 2009.

20- Annual Scientific Congress of the Egyptian Society of Biochemistry and Molecular Biology (ESBMB)- Cairo- Egypt, April 28-29, 2009.

21- 2nd International Conference on "Higher Education Development" at the University Development Center- Mansoura University- Mansoura- Egypt, 1-2 Nov. 2009.

22- 1st Annual Conference of Medical Experimental Research Center (MERC) on " Stem Cell & Regenerative Medicine "- Faculty of Medicine- Mansoura- Egypt, 8th April, 2010.

23- Annual Scientific Congress of the Egyptian Society of Biochemistry and Molecular Biology (ESBMB)- Cairo- Egypt, April 14-15, 2010.

24- Third Scientific Conference of Medical Biochemistry Department- Faculty of Medicine - Mansoura University in Collaboration with Egyptian Society of Biochemistry and Molecular Biology (ESBMB)- Mansoura- Egypt, 11-12 Nov. 2010.

25- Fourth Scientific Conference of Medical Biochemistry Department– Faculty of Medicine, Mansoura University in Collaboration with Egyptian Society of Biochemistry and Molecular Biology (ESBMB)- Mansoura- Egypt, 12 April 2017.

26- The First Annual Anatomy Department Conference “Basic Research from Bench to Bedside: Clinical Interpretation of Molecular Information”, 2 June 2018.

Scientific Research Activities

➤ Scientific Theses:

- M.Sc.: Effect of Calcium-channel Blockers on the Plasma Level of Pancreatic Hormones in Rats.
- Ph.D.: Biochemical Correlative Study between Gastrointestinal Hormones and Their Functions in Patients Suffering from Some Gastrointestinal Diseases.

➤ Scientific Supervision: (Total 29)

- 1- The anti-oxidant activity of seminal plasma and its relationship to chronic tobacco smoking in male infertility (M.Sc. thesis).
- 2- Circulating levels of some proangiogenic factors in patients with hepatocellular carcinoma (M.Sc. thesis).
- 3- A biochemical study of the role of amyloid precursor protein in health and disease (M.Sc. essay).
- 4- Effect of Hallucinogens on brain metabolism (M.Sc. essay).
- 5- Nano technology in medical diagnosis and therapeutics (M.Sc. essay).
- 6- Evaluation of the role of serum interleukin -6 as a tumor marker in patients with hepatocellular carcinoma (M.Sc. thesis).
- 7- Association between vascular endothelial growth factor gene polymorphism and risk of rheumatoid arthritis in Egyptian population (M.Sc. thesis).
- 8- Apoptotic markers in male infertility (M.Sc. thesis).
- 9- Biochemical study of some indices of oxidative stress in patients with hyperthyroid functions (M.Sc. thesis).
- 10- Biochemical evaluation of the metabolic abnormalities associating with hepatitis C virus patients (M.Sc. thesis).
- 11- Biochemical study of some non-invasive markers in liver fibrosis patients (M.Sc. thesis).
- 12- Study of the biochemical relationship between serum retinol binding protein -4 level and insulin resistance in type II diabetes (M.Sc. thesis).
- 13- Biochemical analysis of the effect of colchicine treatment on Schistosoma – induced hepatic amyloidosis: Experimental study in Syrian golden hamsters (M.Sc. thesis).
- 14- Clinical and biochemical characteristics of latent autoimmune diabetes of the adults (Ph.D. thesis).
- 15- Biochemical risk factors in hepatorenal syndrome (Ph.D. thesis).
- 16- Estrogen receptor α gene polymorphism and risk of breast cancer in Egyptian females

(Ph.D. thesis).

- 17- The potential value of novel biomarkers: laminin beta 1 (LAOMB1) and keratin 1g (KRT) 19 in human hepatocellular carcinoma (Ph.D. thesis).
- 18- Integration between notch and hypoxia signaling pathways in chemically induced hepatocellular carcinoma in rats (Ph.D. thesis).
- 19- Role of renin-angiotensin system genes and some biochemical markers in preeclampsia (Ph.D. thesis).
- 20- Recent markers for assessment of the liver fibrosis stages in viral hepatitis patients (M.D. thesis).
- 21- Vitamin D receptor gene polymorphisms and parathyroid hormone in patients with chronic renal failure (M.D. thesis).
- 22- Biochemical studies on the relationship between vitamin D and type I diabetes in children (M.D. thesis).
- 23- Biochemical correlative study of some tumor markers in patients with hepatocellular carcinoma (Ph.D. thesis).
- 24- The association between vitamin D receptor gene polymorphism and deciduous tooth decay in Egyptian children (M.Sc. thesis).
- 25- Serum vitamin D level among patients with idiopathic epilepsy (M.Sc. thesis).
- 26- Expression of Anti-Senescence alpha and gamma klotho genes in thyroid carcinoma (Ph.D. thesis).
- 27- Clinicopathological studies on some hepatoprotective agents against induced liver damage in rats (M.D. thesis).
- 28- Association between Differentiation Antagonizing Non-Protein Coding RNA (DANCR) and Neuroblastoma RAS Viral Oncogene Homolog (NRAS) genes expression in colorectal cancer in Egyptians, Potential novel diagnostic markers.
- 29- Expression of anti-senescence alpha and gamma klotho genes in thyroid carcinoma.

➤ **Scientific Thesis Evaluation and Judgement:** (Total 20)

- 1- Apo lipoprotein C3 gene variants in non-alcoholic fatty liver disease in Egypt (M.Sc. thesis).
- 2- Proteomics revolution and male infertility (M.Sc. thesis).
- 3- Evaluation of the role of serum interleukin – 6 as a tumor marker in patients with hepatocellular carcinoma (M.Sc. thesis).
- 4- Study of TGF-B1 pathway in Erlich ascites carcinoma model (M.Sc. thesis).
- 5- The predictive value of cystatin C in monitoring non-Hodgkin lymphoma in relation to clinical biochemical parameters (M.Sc. thesis).
- 6- Biochemical evaluation of the metabolic abnormalities associating with hepatitis C virus patients (M.Sc. thesis).
- 7- Biochemical analysis of the effect of colchicine treatment on schisto soma – induced hepatic amyloidosis: Experimental study in Syrian golden hamsters (M.Sc. thesis).
- 8- Biochemical study of some non-invasive markers in liver fibrosis patients (M.Sc. thesis).

- 9- Wnt/B- catenin signaling pathway in breast carcinogenesis in rats (Ph.D. thesis).
- 10- Studies on the therapy resistance of HPV related disease (Ph.D. thesis).
- 11- Estimation of pyruvate kinases as a marker in renal cell carcinoma (M.Sc. thesis).
- 12- Uncoupling protein 2 (UCP2) altered gene expression as a risk factor for obesity in chronic kidney disease (M.Sc. thesis).
- 13- Association between excision repair cross-complementary group-2 gene polymorphism and risk of ovarian cancer in Egyptian female patients (M.Sc. thesis).
- 14- Effect of anti TNF- α alone and in combination with certain natural products on some novel lipid biomarkers in hyperlipidemic rabbits (M.Sc. thesis).
- 15- Molecular biomarkers in acute leukemia (Ph.D. thesis).
- 16- Interleukin 28 B polymorphism in treatment of chronic hepatitis C virus infection (Ph.D. thesis).
- 17- Role of renin-angiotensin system genes and some biochemical markers in preeclampsia (Ph.D. thesis).
- 18- Biochemical correlative study of some tumor markers in patients with hepatocellular carcinoma (Ph.D. thesis).
- 19- Biochemical and genetic polymorphism of obesity related genes studies in cases of obesity (Ph.D. thesis).
- 20- Influences of Frankincense & Acacia Senegal on adenine – induced chronic renal failure in rats (Ph.D. thesis).

Bibliography (Peer-reviewed publications)

(Total 51)

1. Addissouky, T.A., Sayed, I.E.T.E., Agroudy, A.E.E. et al. Evaluating Non-Invasive Biomarkers and Composite Scores for Liver Fibrosis Diagnosis in Hepatitis B and C Infections. *SN Compr. Clin. Med.* 7, 239 (2025). <https://doi.org/10.1007/s42399-025-02005-z>
2. Sharkas, G. F., El-Masry, R., Abdel-Ghany, S., Baz, A. E., Abou-Elsaad, T., Kassab, A. A., Badran, D. H., & Bashir, A. Y. (2024). Satisfaction of academic medical staff with integrated medical curriculum: an exploratory multinational survey. *BMC medical education*, 24(1), 1483. <https://doi.org/10.1186/s12909-024-06468-x>
3. Badran, D., El-Agroudy, A. E., Kassab, A. A., El-Bayoumi, K. S., Eldken, Z. H., & Elswaidy, N. R. M. (2024). Impact of peripheral blood mononuclear cells preconditioned by activated platelet supernatant in managing gastric mucosal damage induced by zinc oxide nanoparticles in rats. *Anatomy & cell biology*, 57(1), 105–118. <https://doi.org/10.5115/acb.23.217>
4. Addissouky, T. A., El Sayed, I. E. T., Ali, M. M., Wang, Y., El Baz, A., Khalil, A. A., & Elarabany, N. (2024). Molecular Pathways in Sepsis Pathogenesis: Recent Advances and Therapeutic Avenues. *Journal of Cellular Immunology*, 5(6), 174-183.

5. Badran, D., **El-Agroudy, A. E. B.**, Kassab, A. A., El-Bayoumi, K. S., Eldken, Z. H., & Elswaidy, N. R. M. (2024). Impact of peripheral blood mononuclear cells preconditioned by activated platelet supernatant in managing gastric mucosal damage induced by zinc oxide nanoparticles in rats. *Anatomy & Cell Biology*.
6. Addissouky, T. A., El Sayed, I. E. T., Ali, M. M., Wang, Y., **El Baz, A.**, Elarabany, N., & Khalil, A. A. (2024). Shaping the future of cardiac wellness: exploring revolutionary approaches in disease management and prevention. *Journal of Clinical Cardiology*, 5(1), 6-29.
7. Addissouky, T. A., El Sayed, I. E. T., Ali, M. M., Wang, Y., **El Baz, A.**, Elarabany, N., & Khalil, A. A. (2024). Oxidative stress and inflammation: elucidating mechanisms of smoking-attributable pathology for therapeutic targeting. *Bulletin of the National Research Centre*, 48(1), 16.
8. Addissouky, T. A., Sayed, I. E. T. E., Ali, M. M., Wang, Y., **Baz, A. E.**, Khalil, A. A., & Elarabany, N. (2024). Latest advances in hepatocellular carcinoma management and prevention through advanced technologies. *Egyptian Liver Journal*, 14(1), 2.
9. Addissouky, T. A., Khalil, A. A., & **El Agroudy, A. E.** (2023). Assessing the efficacy of a modified triple drug regimen supplemented with mastic gum in the eradication of helicobacter pylori infection. In NaN (No. Supplement_1, pp. S19-S19). Oxford University Press (OUP).
10. Addissouky, T. A., El Sayed, I. E. T., Ali, M. M., Wang, Y., **El Baz, A.**, Khalil, A. A., & Elarabany, N. (2023). Can vaccines stop cancer before it starts? Assessing the promise of prophylactic immunization against high-risk preneoplastic lesions. *Journal of Cellular Immunology*, 5(4), 127-140.
11. Addissouky, T. A., Ali, M. M., El Sayed, I. E. T., Wang, Y., **El Baz, A.**, Elarabany, N., & Khalil, A. A. (2023). Preclinical promise and clinical challenges for innovative therapies targeting liver fibrogenesis. *Archives of Gastroenterology Research*, 4(1), 14-23.
12. Addissouky, T. A., **El Agroudy, A. E.**, & Khalil, A. A. (2023). Developing a novel non-invasive serum-based diagnostic test for early detection of colorectal cancer. *American Journal of Clinical Pathology*, 160(Supplement_1), S17-S17.
13. Wesam S. El-Saeed, Marwa H. Elnagdy, Mahmoud A. Abd elghaffar, **Ayman El Baz**, Mohammed A. Zahran. (2023). Role of alpha and gamma Klotho genes in the development of differentiated thyroid carcinoma on top of goiter. *Forum of Clinical Oncology*. 14(1), 1-9.
14. Addissouky, T. A., Wang, Y., El Sayed, I. E. T., **Baz, A. E.**, Ali, M. M., & Khalil, A. A. (2023). Recent trends in Helicobacter pylori management: harnessing the power of AI and other advanced approaches. *Beni-Suef University Journal of Basic and Applied Sciences*, 12(1), 80.
15. A Addissouky, T., MA Ali, M., El Tantawy El Sayed, I., Wang, Y., **El Baz, A.**, Elarabany, N., & A Khalil, A. (2022). Risk Factors, Etiology, Pathology, and Diagnostic Methods for Acute Kidney Injury: A Review Study. *Research in Molecular Medicine*, 10(4), 193-204.

16. Aboraya, D. M., **El Baz, A.**, Risha, E. F., & Abdelhamid, F. M. (2022). Hesperidin ameliorates cisplatin induced hepatotoxicity and attenuates oxidative damage, cell apoptosis, and inflammation in rats. *Saudi journal of biological sciences*, 29(5), 3157-3166.

17. Addissouky, T. A., Wang, Y., Megahed, F. A. K., **El Agroudy, A. E.**, El Sayed, I. E. T., & El-Torgoman, A. M. A. (2021). Novel biomarkers assist in detection of liver fibrosis in HCV patients. *Egyptian Liver Journal*, 11, 1-5.

18. Addissouky, T. A., Megahed, F. A., **Elagroudy, A. E.**, & El Sayed, I. E. (2020). Efficiency of mixture of olives oil and figs as an antiviral agent: a review and perspective. *International Journal of Medical Science and Health Research*, 4(4), 107-11.

19. Tamer A. Addissouky, Ahmed A. Khalil and **Ayman E. Elagroudy**, Effectiveness of Diagnostic Tools and Management of Lung Cancer, Alternative and Integrative Medicine, an open access journal, Volume 9 Issue 2, 1000287, April 2020, ISSN: 2327-5162

20. Tamer A. Addissouky, Ahmed A. Khalil and **Ayman E. Elagroudy**, Can COVID-19 be Controlled over the World? Alternative and Integrative Medicine, an open access journal, Volume 9 Issue 2, 1000286, April 2020, ISSN: 2327-5162.

21. Tamer A. Addissouky, **Ayman E. El-Agroudy**, Abdel Moneim A.K. El-Torgoman and 1Ibrahim E. El-Sayed, Efficacy of Biomarkers in Detecting Fibrosis Levels of Liver Diseases. IDOSI Publications, World Journal of Medical Sciences, Volume 16, Issue (1): PP. 11-18, March 2019, ISSN 1817-3055, DOI: 10.5829/idosi.wjms.2019.11.18.

22. Addissouky, T. A., **El Agroudy, A. E.**, El-Torgoman, A. M. A. K., El Sayed, I. E. T., & Ibrahim, E. M. (2019). Efficiency of alternative markers to assess liver fibrosis levels in viral hepatitis B patients. *Biomedical Research*, 30(2), 1-6.

23. Tamer A. Addissouky, Mohamed S. Elghareb, **Ayman E. El Agroudy**, Emad H. Elshahat, Ezar H. Hafez. Biochemical Evaluation of Hyaluronic Acid in Liver Fibrosis Patients, International Journal of Scientific & Engineering Research Volume 8, Issue 9, September-2017, PP. 697- 711, ISSN 2229-5518.

24. AbdElmeneem A. Eltorgman, **Ayman E. El Agroudy**, Tamer A. Addissouky. SHASTA can determine the liver fibrosis Stages in Viral Hepatitis B Patients, International Journal of Scientific & Engineering Research Volume 8, Issue 9, September-2017, PP. 723- 734, ISSN 2229-5518.

25. Tamer A. Addissouky, Mohamed S. Elghareb, **Ayman E. El Agroudy**, Emad H. Elshahat, Ezar H. Hafez. Biochemical Evaluation of Hyaluronic Acid in Liver Fibrosis Patients, International Journal of Scientific & Engineering Research Volume 8, Issue 9, September-2017, PP. 697- 711, ISSN 2229-5518.

26. **El Agroudy, A. E.**, Elghareb, M. S., Addissouky, T. A., Elshahat, E. H., & Hafez, E. H. (2016). Serum hyaluronic acid as non invasive biomarker to predict liver fibrosis in viral hepatitis patients. *Journal of Bioscience and Applied Research*, 2(5), 326-333.

27. **El Agroudy, A. E.**, Elghareb, M. S., Addissouky, T. A., Elshahat, E. H., & Hafez, E. H. (2016). Biochemical study of some non invasive markers in liver fibrosis

patients. *Journal of Bioscience and Applied Research*, 2(5), 319-325.

28. Abd Ellatif, M., Zahran, M. A., Denaiwar, A., **Elbaz, A.**, & Abdel Azeez, H. A. (2016). Study of polymorphism of the estrogen receptor alpha gene as a genetic marker for the risk of breast cancer. *IJCEBS*, 4, 16-22.

29. **Ayman. E. Elagroudy**, Omnia.E. STEAT, Mostafa. A. Hussien, Nahla.H. Anber, Shereen.M. Attallah (2015). Biochemical evaluation of the metabolic abnormalities associating with hepatitis C virus patients. *Journal of Pharmacy and Biological Sciences*, Volume 10, Issue 5.

30. Reham M. Shaat, Rehan M.S. Adel, I. Abd-El Salam **El Baz A.** El-Dephrawy M.M (2013). Postmenopausal – osteoporosis role of low level – long term cadmium exposure. *Benha Medical Journal*, Volume 30, Issue1, Pages 19-27.

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Organizational Activities

Membership, Awards, Honors, Appreciation and Recognition:

- 1- Member of the Egyptian Society of Biochemistry and Molecular Biology
- 2- Member of the Arab Society of Clinical Chemistry.
- 3- Member of the Scientific Society of Mansoura Faculty of Medicine.

- 4- Founding member of the Association of the Age of Science (known as No. 1664 in 2008).
- 5- Obtaining the title of "**The Best Lecturer in the Faculty of Medicine**" (among the top 5 lecturers) in a Questionnaire for the students of the first year (50th) on the payment page of the social networking site and receiving the honorary plaque from the batch at the ceremony specially for that purpose, with a Speech at the End of the Year Celebration.
- 6- Presenting **a letter of thanks and appreciation** from Vice Dean for Education and Student Affairs praise the teaching performance of lectures by the college session in November 2012.
- 7- Obtaining **a letter of thanks and appreciation** from Vice Dean of Community Service and Environmental Development to participate in free support groups for students within the Faculty of Medicine (2001-2003).
- 8- Obtaining a letter of thanks and appreciation from the Scientific Society for Mansoura Medical Students for the effort and to contribute effectively to the student activities in the college.
- 9- Obtaining **The Highest Recorded Grade and Score** among the members of the Department of Medical Biochemistry since the year 2009, as well as in the following years in the questionnaire of Egyptian students and Malaysian expatriates (according to the Quality Assurance and Accreditation Unit at the College- Faculty of Medicine- Mansoura University).
- 10- Obtaining the honor of the American Student Association on the sidelines of the visit of prof. Ahmed Zewail for the prominent role in organizing the visit.
- 11- Obtaining a certificate of appreciation by honoring the union of Doctors Dakahlia in 2007.
- 12- Nomination for the University Award for Encouragement 2003-2004 by the council of the Faculty of Medicine for research published in the Journal of Hematology in 2000.
- 13- Assistant organizer of the visit of the late Egyptian scientist Dr. Ahmed Zewail to Mansoura University in 2007.
- 14- Assistant organizer of the visit of the Egyptian scientist Dr. Magdi Yacoub to Mansoura University in 2009.
- 15- Member of the elected committee for the supervision on the Dean of the Faculty of Medicine elections- Faculty of Medicine- Mansoura University (2011-2012).
- 16- Head of the general committee for the supervision on the Medical Students Union elections- Faculty of Medicine- Mansoura University for the 6 levels of the college in 2020.
- 17- Active participation in the Organization of the 4 Conferences of Medical Biochemistry Department, Faculty of Medicine, Mansoura University, in collaboration with the Egyptian Society of Biochemistry and Molecular Biology (2008, 2009, 2010, and 2017).
- 18- Chairperson in The First Annual Anatomy Department Conference “Basic Research from Bench to Bed-Side: Clinical Interpretation of Molecular Information “, 2 June 2018.

Community and University Activities

- 1- Representative of Mansoura University in the Intellectual Forum for faculty members in the Youth City of Abi Qir – Alexandria – Egypt and the Institute of Leadership Development in Helwan and organizing a meeting with H E DR./ Minister of Higher Education (4/7/2014 to 9/7/2014).
- 2- Representation of Mansoura Faculty of Medicine via active participation in the organization of a sports day to Combat Addiction and Smoking at the university of Mansoura under the patronage of His Excellency the President of the University (23/4/2016).
- 3- As a general coordinator of the student & sportive activities and councilor of the sports committee in the Medical Students Union (for several years), the following was achieved:
 - Organizing numerous sports events in the playgrounds at the Faculty of Medicine Campus, the Olympic Village, and Gazeret El-Ward Sports Club where prizes were given to the winning students.
 - Supervision on and participation in many students` trips to Luxor, Aswan, Cairo, Giza, Alexandria, PortSaid and El-Esmailia.
 - Leading multiple student families in variable cultural, sportive, artistic, and social activities.
 - Organizing many competitions in Poetry, Acting, Music, and Singing at the hall of Prof. Dr./ Abu El-Naga.
- 4- Participation in a medical delegation to lab-test the citizens of Barq El-Ez village- Dakahlia in 2008.
- 5- Member of the Administrative Council of the Secretarial Board of Delta International Language Schools (from 2007 till 2009)
- 6- Running for the elections of the Administrative Council Membership for Gazeret El-Ward Sports Club- Mansoura in 2008.

Contact Reference

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