

CURRICULUM VITAE

PERSONAL DATA

Name	Mohamed Ahmed Mohamed Ali Badawi Zaid
Nationality	Egyptian
Position	Professor
E-Mail	mamzaid@imamu.edu.sa
Phone	+966 540 528 527

EDUCATION

Year	Academic Degree	Institution
2007–2010	Ph.D. degree in Biochemistry	Faculty of Science, Ain Shams University, Cairo, Egypt
2003–2006	Master's degree in Biochemistry	Faculty of Science, Ain Shams University, Cairo, Egypt
1998–2002	Bachelor's degree in Biochemistry	Faculty of Science, Ain Shams University, Cairo, Egypt

WORK EXPERIENCE

Period	Position	Address
February 2022–Present	Professor	Biology Department, College of Science, Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia
July 2021–Present	Professor	Biochemistry Department, Faculty of Science, Ain Shams University, Cairo, Egypt
March 2016–July 2021	Associate Professor	Biochemistry Department, Faculty of Science, Ain Shams University, Cairo, Egypt
November 2010–March 2016	Assistant Professor (Lecturer)	Biochemistry Department, Faculty of Science, Ain Shams University, Cairo, Egypt
November 2006–November 2010	Assistant Lecturer	Biochemistry Department, Faculty of Science, Ain Shams University, Cairo, Egypt
January 2003–November 2006	Instructor	Biochemistry Department, Faculty of Science, Ain Shams University, Cairo, Egypt

RESEARCH INTERESTS

- Experimental and Clinical Biochemistry
- Pharmacology
- Toxicology
- Molecular Biology
- Molecular genetics

PUBLICATIONS

1. Khayat MT, Elbaramawi SS, Nazeih SI, Safo MK, Khafagy ES, **Ali MAM**, Abbas HA, Hegazy WAH, Seleem NM. Diminishing the Pathogenesis of the Food-Borne Pathogen *Serratia marcescens* by Low Doses of Sodium Citrate. Biology 2023, 12(4):504.
2. Younis M, **Ali MAM**, Ghareeb DA, Youssef R, Fathy SA. Maternal Thrombophilic and Hypofibrinolytic Genetic Variants in Idiopathic Recurrent Pregnancy Loss: a Continuing Mystery. Reprod Sci. 2023;30(2):656-666.
3. Hussein MAR, Ahmed AE, ElNahass Y, El-Dahshan D, **Ali MAM**. Downregulation of IRAIN long non-coding RNA predicts unfavourable clinical outcome in acute myeloid leukaemia patients. Biomarkers. 2023:1-18. Epub ahead of print.
4. Abdel Halim AS, Rudayni HA, Chaudhary AA, **Ali MAM**. MicroRNAs: Small molecules with big impacts in liver injury. J Cell Physiol. 2023;238(1):32-69.
5. Khayat MT, Ibrahim TS, Darwish KM, Khayat AN, Alharbi M, Khafagy ES, **Ali MAM**, Hegazy WAH, Abbas HA. Hiring of the Anti-Quorum Sensing Activities of Hypoglycemic Agent Linagliptin to Alleviate the *Pseudomonas aeruginosa* Pathogenesis. Microorganisms. 2022;10(12):2455.
6. Cavalu S, Elbaramawi SS, Eissa AG, Radwan MF, S Ibrahim T, Khafagy ES, Lopes BS, **Ali MAM**, Hegazy WAH, Elfaky MA. Characterization of the Anti-Biofilm and Anti-Quorum Sensing Activities of the β -Adrenoreceptor Antagonist Atenolol against Gram-Negative Bacterial Pathogens. Int J Mol Sci. 2022;23(21):13088.
7. Kishta MS, Ahmed HH, **Ali MAM**, Aglan HA, Mohamed MR. Mesenchymal stem cells seeded onto nanofiber scaffold for myocardial regeneration. Biotech Histochem. 2022;97(5):322-333.
8. Mahmoud NS, Mohamed MR, **Ali MAM**, Aglan HA, Amr KS, Ahmed HH. Nanomaterial-induced mesenchymal stem cell differentiation into osteoblast for counteracting bone resorption in the osteoporotic rats. Tissue Cell. 2021;73:101645.
9. Hala MAM, **Ali MAM**, ElNahass Y, Salem TAE, Mohamed MR. Expression and prognostic relevance of long noncoding RNAs CRNDE and AOX2P in adult acute myeloid leukemia. Int J Lab Hematol. 2021;43(4):732-742.
10. **Ali MAM**. The DEAD-box protein family of RNA helicases: sentinels for a myriad of cellular functions with emerging roles in tumorigenesis. Int J Clin Oncol. 2021;26(5):795-825.
11. **Ali MAM**. DEAD-box RNA helicases: The driving forces behind RNA metabolism at the crossroad of viral replication and antiviral innate immunity. Virus Res. 2021;296:198352.

12. Mahmoud NS, Mohamed MR, **Ali MAM**, Aglan HA, Amr KS, Ahmed HH. Osteoblast-Based Therapy-A New Approach for Bone Repair in Osteoporosis: Pre-Clinical Setting. *Tissue Engineering and Regenerative Medicine*. 2020;17(3):363-373.
13. Mahmoud NS, Ahmed HH, Mohamed MR, Amr KS, Aglan HA, **Ali MAM**, Tantawy MA. Role of nanoparticles in osteogenic differentiation of bone marrow mesenchymal stem cells. *Cytotechnology*. 2020;72(1):1-22.
14. **Ali MAM**, Hassan AM, Saafan MA, Abdelmagid AA. Additive diagnostic yield of homozygosity regions identified during chromosomal microarray testing in children with developmental delay, dysmorphic features or congenital anomalies. *Biochemical Genetics*. 2020;58(1):74-101.
15. **Ali MAM**, Bedair RN, Abd El Atti RM. Cervical high-risk human papillomavirus infection among women residing in the Gulf Cooperation Council countries: prevalence, type-specific distribution and correlation with cervical cytology. *Cancer Cytopathology*. 2019;127(9):567-577.
16. Ramadan DT, **Ali MAM**, Yahya SM, El-Sayed WM. Correlation between Antioxidant/Antimutagenic and Antiproliferative Activity of Some Phytochemicals. *Anti-Cancer Agents in Medicinal Chemistry*. 2019;19(12):1481-1490.
17. Naguib MM, Mohamed MR, **Ali MAM**, Karim AM. Development of an efficient in vivo cell-based assay system for monitoring hepatitis C virus genotype 4a NS3/4A protease activity. *Indian Journal of Pathology and Microbiology*. 2019; 62(3): 391-398.
18. Fathy SA, Mohamed MR, **Ali MAM**, El-Helaly AE, Alattar AT. Influence of IL-6, IL-10, IFN- γ and TNF- α genetic variants on susceptibility to diabetic kidney disease in type 2 diabetes mellitus patients. *Biomarkers*. 2019; 24(1): 43-55.
19. El-Sayed SM, **Ali MAM**, El-Gendy BEM, Dandash SS, Issac Y, Saad R, Azab MM, Mohamed MR. Identification of novel small molecule inhibitors against the NS3/4A protease of hepatitis C virus genotype 4a. *Current Pharmaceutical Design*. 2018; 24(37): 4484-4491.
20. Motawi TK, Mohamed MR, Shahin NN, **Ali MAM**, Azzam MA. Time-course expression profile and diagnostic potential of a miRNA panel in exosomes and total serum in acute liver injury. *International Journal of Biochemistry & Cell Biology*. 2018; 100: 11-21.
21. **Ali MAM**, Ahmed EK, Helwa R, Assem MM. The synonymous isocitrate dehydrogenase 1 315C>T SNP confers an adverse prognosis in Egyptian adult patients with NPM1-/CEBPA-negative acute myeloid leukemia. *Indian Journal of Hematology and Blood Transfusion*. 2018; 34(2): 240-252.
22. Sharaf-Eldin WE, Kishk NA, Gad YZ, Heba Hassan H, **Ali MAM**, Zaki MS, Mohamed MR, Essawi ML. Extracellular miR-145, miR-223 and miR-326 expression signature allow for differential diagnosis of immune-mediated neuroinflammatory diseases. *Journal of the Neurological Sciences*. 2017; 383; 188-198.
23. Rahman MM, Bagdassarian E, **Ali MAM**, McFadden G. Identification of host DEAD-box RNA helicases that regulate cellular tropism of oncolytic Myxoma virus in human cancer cells. *Scientific Reports*. 2017; 7(1):15710.
24. Ali FT, Abd El-Azeem EM, Hamed MA, **Ali MAM**, Abd Al-Kader NM, Hassan EA. Redox dysregulation, immuno-inflammatory alterations and genetic variants of BDNF and MMP-9 in schizophrenia:

- Pathophysiological and phenotypic implications. *Schizophrenia Research*. 2017; 188:98–109.
25. Salem AM, Mohammaden TF, **Ali MAM**, Mohamed EA, Hassan HF. Ellagic and ferulic acids alleviate gamma radiation and aluminium chloride-induced oxidative damage. *Life Sciences*. 2016; 160: 2–11.
26. Ali FT, **Ali MA**, Elnakeeb MM, Bendary HN. Presepsin is an early monitoring biomarker for predicting clinical outcome in patients with sepsis. *Clinica Chimica Acta*. 2016; 460: 93–101.
27. **Ali MA**. Chronic myeloid leukemia in the era of tyrosine kinase inhibitors: an evolving paradigm of molecularly targeted therapy. *Molecular Diagnosis and Therapy*. 2016; 20(4): 315–333.
28. Salem MS, **Ali MA**. Novel Pyrazolo[3,4-b]pyridine derivatives: synthesis, characterization, antimicrobial and antiproliferative profile. *Biological and Pharmaceutical Bulletin*. 2016; 39(4): 473–483.
29. Fawzy A, Mohamed MR, **Ali MA**, Abd El-Magied MH and Helal AM. Tissue CA125 and HE4 gene expression levels offer superior accuracy in discriminating benign from malignant pelvic masses. *Asian Pacific Journal of Cancer Prevention*. 2016; 17(1): 323–333.
30. Fathy SA, Abdel Hamid FF, Zabut BM, Jamee AF, **Ali MA** and Abu Mustafa AM. Diagnostic utility of BNP, corin and furin as biomarkers for cardiovascular complications in type 2 diabetes mellitus patients. *Biomarkers*. 2015; 20(6-7): 460–469.
31. Ali FT, **Ali MA**, Elgizawy MM and Elsayy AM. SPP1 Promoter genetic variants are associated with the response to PEG-INF- α plus ribavirin combination therapy in Egyptian patients with chronic HCV infection. *Gut and Liver*. 2015; 9(4): 516–524.
32. **Ali MA**, Elsalakawy WA. *ABCB1* haplotypes but not individual SNPs predict for optimal response/failure in Egyptian patients with chronic-phase chronic myeloid leukemia receiving imatinib mesylate. *Medical Oncology*. 2014; 31(11): 279.
33. Elsalakawy WA, **Ali MA**, Hegazy MG and Farweez BA. Value of vanin-1 assessment in adult patients with primary immune thrombocytopenia. *Platelets*. 2014; 25(2): 86–92.