

Contact Information			
Name: Maivel Heshmat Ghattas			
Address: Faculty of Medicine, Port Said University			
Phone contacts: +201283444900			
Email address: mghatas@horus.edu.eg M_ghattas@med.psu.edu.eg			
Education/ Academic qualifications (start with your most recent education first)			
Year	School / University	Specialization	Degree
2017	Faculty of Commerce/ Port Said University	Hospital Management	Diploma
2010	Faculty of Medicine/ Suez Canal University	Pediatrics	Master Degree (M.Sc.)
2004	Faculty of Medicine/ Suez Canal University	Medical Biochemistry	Doctorate Degree (M.D.)
1999	Faculty of Medicine/ Suez Canal University	Medical Biochemistry	Master Degree (M.Sc.)
1993	Faculty of Medicine/ Suez Canal University	Medicine and General Surgery	M. B.B. Ch.
Academic Employment History (start with your most recent education first)			
From:	To:	University / Organization	Title of Position
2018	2025	Faculty of Medicine/ Port Said University	Head of Medical Biochemistry and Molecular Biology Department
2015	2018	Faculty of Medicine/ Port Said University	Dean
2013	2015	Faculty of Medicine/ Port Said University	Vice-Dean of Education and Student Affairs
Administrative Positions:			
From:	To:	University / Organization	Title of Position
2014	Now	Faculty of Medicine/ Port Said University	Professor of Medical Biochemistry

I do hereby declare that the information furnished above is true to the best of my knowledge.

Name: Maivel H. Ghattas

Signature: Maivel Ghattas

2009	2014	Faculty of Medicine/ Suez Canal University	Assistant Professor
2004	2009	Faculty of Medicine/ Suez Canal University	Lecturer of Medical Biochemistry
2002	2004	New York Medical College, New York, USA.	Visiting Researcher in Pharmacology Department,
1999	2004	Faculty of Medicine/ Suez Canal University	Assistant Lecturer of Medical Biochemistry
1995	1999	Faculty of Medicine/ Suez Canal University	Administrator of Medical Biochemistry
Teaching Experience (Courses, Language, Higher Education Only)			
1- Teaching Medical Biochemistry and Molecular biology, Faculty of Medicine- Port Said University, Suez Canal University, Horus University, East Port Said University. 2- Teaching Biochemistry 1, 2, Clinical Biochemistry and Clinical Nutrition Courses, Faculty of Pharmacy Horus University, Sinai University (Al Arish Branch) and Suez Canal University. • Languages: English and Arabic			
Publications:			
1- Eldawoudy MM, Shaalan D, Ghattas MH , Mesbah NM, Abo-Elmatty DM, Mehanna ET. Association of CTLA4 rs733618 and rs4553808 gene variants with psoriasis vulgaris in Egyptian Population. Arch Dermatol Res 2024;316(6):243. 2- Abdelgalil AA, Monir R, Elmetwally M, Ghattas MH , Bazeed FB. The relation of VEGFA, VEGFR2, VEGI, and HIF1A genetic variants and their serum protein levels with breast cancer in Egyptian patients. Biochemical Genetics 2024, 62(1): 547-573.			

I do hereby declare that the information furnished above is true to the best of my knowledge.

Name: Maivel H. Ghattas

Signature: Maivel Ghattas

- 3- Abdalla N, Abo-ElMatty DM, Saleh S, **Ghattas MH**, Omar NN. Eempagliflozin suppresses hedgehog pathway, alleviates ER stress, and ameliorates hepatic fibrosis in rats. **Scientific Reports** 2023, 13 (1): 19046.
- 4- Bondok RM, Barakat LA, Elsergany AR, Mahsoub N, **Ghattas MH**. Interferon-induced transmembrane protein 3 in hepatocellular carcinoma patients. **BMC Cancer** 2023, 23 (1): 584.
- 5- Hegazy HA, Abo-ElMatty DM, Farid O, Saleh S, **Ghattas MH**, Omar NN. Nano-melatonin and-histidine modulate adipokines and neurotransmitters to improve cognition in HFD-fed rats: A formula to study. **Biochimie** 2023, 207: 137-152.
- 6- Ahmed A, Omar A, **Ghattas MH**, Ghaly M, Al-Shatouri M. The use of ultrasound for detecting endothelial dysfunction and lp13.3 genomic region rs646776 polymorphism in patients with rheumatoid arthritis from the Suez Canal Region. **Cureus** 2023, 15 (2): 1-8.
- 7- Barakat LA, Elsergany AR, **Ghattas MH**, Mahsoub N, Bondok RM. Relationship between interferon-induced transmembrane protein 3 and matrix metalloproteinase-9 gene polymorphisms in patients with hepatocellular carcinoma. **Clinics and Research in Hepatology and Gastroenterology** 2023, 47 (5): 102110.
- 8- Ismail Y, Fahmy DM, **Ghattas MH**, Ahmed MM, Zehry W, Saleh SM. Integrating experimental model, LC-MS/MS chemical analysis, and systems biology approach to investigate the possible antidiabetic effect and mechanisms of Matricaria aurea (Golden Chamomile) in type 2 diabetes mellitus. **Frontiers in Pharmacology** 2022, 13: 924478.
- 9- El-Sherbeni AR, **Ghattas MH**, Shehata HH, Mohamed MI. Silencing the epitranscriptome writer METTL3 in hepatocellular carcinoma cells: A prospective therapeutic approach. **Gene Reports** 2021, 25: 101459.
- 10- Huwait EA, Al-Ghamdi MA, **Ghattas MH**, Hinnis AR. DAA El-Matty, AR Abdel-Hamed. Role of heme oxygenase-1, cytokines, and vascular endothelial growth factor

I do hereby declare that the information furnished above is true to the best of my knowledge.

Name: Maivel H. Ghattas

Signature: Maivel Ghattas

in murine *Schistosoma mansoni*. **International Journal of Health Sciences** 2021, 15(1): 22.

11-Emam RH, **Ghattas MH**, Mesbah NM, Abo-Elmatty DM, Mehanna ET. Relation of locus 1p13 rs646776 polymorphism with the risk of preeclampsia. **Hypertension in pregnancy** 2018, 37 (2): 81-86.

12-Fattah SA, **Ghattas M.H.**, Saleh S.M., Abo-Elmatty D.M. Pre-micro RNA-499 Gene Polymorphism rs3746444 T/C is Associated with Susceptibility to Rheumatoid Arthritis in Egyptian Population. **Indian Journal of Clinical Biochemistry** 2018, 33 (1): 96-101.

13- Abdel-Hamed AR, Mesbah N.M., **Ghattas M.H.**, Abo-Elmatty D.M., Saleh SM. Serum miRNA-122 expression in non-alcoholic fatty liver disease among Egyptian patients and its correlation with interleukin-1A gene polymorphism. **Meta Gene** 2017, 14: 19-23.

14-Abdel-Hamed AR, **Ghattas M.H.**, Mesbah N.M., Saleh S.M., Abo-Elmatty D.M. Association of interleukin-1A insertion/deletion gene polymorphism and possible high risk factors with non-alcoholic fatty liver disease in Egyptian patients. **Archives of Physiology and Biochemistry** 2017, 123 (5), 330-333.

15-Khatab SA, Abo-Elmatty D.M., **Ghattas M.H.**, Mesbah N.M., Mehanna ET. Intestinal fatty acid binding protein Ala54Thr polymorphism is associated with peripheral atherosclerosis combined with type 2 diabetes mellitus. **Journal of Diabetes** 2017, 9 (9), 821-826.

16-Fattah SA, **Ghattas MH**, Saleh S.M., Abo-Elmatty D.M. Cytotoxic T-lymphocyte-associated protein 4 gene polymorphism is related to rheumatoid arthritis in Egyptian population. **Archives of Physiology and Biochemistry**. 2017, 123(1):50-53.

17-Mehanna ET, **Ghattas MH**, Mesbah NM, Saleh SM, Abo-Elmatty DM. Association of MicroRNA-146a rs2910164 Gene Polymorphism with Metabolic Syndrome. **Folia Biol (Praha)** 2015, 61(1):43-48.

I do hereby declare that the information furnished above is true to the best of my knowledge.

Name: Maivel H. Ghattas

Signature: Maivel Ghattas

- 18-** Mehanna ET, Saleh SM, **Ghattas MH**, Mesbah NM, Abo-Elmatty DM. Relation of myeloperoxidase-463G/A polymorphism with metabolic syndrome and its component traits in Egyptian women. **Archives of Physiology and Biochemistry** 2015, 121 (1): 13-18.
- 19-** Mehanna ET, Abo-Elmatty DM, **Ghattas MH**, Mesbah NM, Saleh SM. Apelin rs2235306 polymorphism is not related to metabolic syndrome in Egyptian women. **Egyptian Journal of Medical Human Genetics** 2015, 16(1): 35-40.
- 20-** Morgan MD , Al-Shaarawy N , Martin S , Robinson JI , Twigg S, Consortium Y, Magdy AA , Omar AS, **Ghattas MH** , Emery P , Barrett JH , Morgan AW . MTHFR functional genetic variation and methotrexate treatment response in rheumatoid arthritis: a meta-analysis. **Pharmacogenomics** 2014; 15(4): 467-475.
- 21-Ghattas MH**, Shaarawy FM, Mesbah NM, Abo-Elmatty DM. DNA methylation status of the methylenetetrahydrofolate reductase gene promoter in peripheral blood of end-stage renal disease patients. **Molecular Biology Report** 2014, 41(2): 683-688.
- 22-Ghattas MH**, Mehanna ET, Mesbah NM, Abo-Elmatty DM. Relaxin-3 is associated with metabolic syndrome and its component traits in women. **Clinical Biochemistry** 2013; 46(1-2):45-48.
- 23-Ghattas MH**, Mehanna ET, Mesbah NM, Abo-Elmatty DM. Association of estrogen receptor alpha gene polymorphisms with metabolic syndrome in Egyptian women. **Metabolism** 2013;62(10):1437-1442.
- 24-Ghattas MH**, Shaarawy FM, Mesbah NM, Abo-Elmatty DM. The Methylation Profile of IFN- γ , SOCS1 and SOCS3 Promoter Regions in End-Stage Renal Disease. **Journal of Data Mining in Genomics and Proteomics** 2013; 4:4
- 25-**Ahmed AZ, El-Shahaly HA, Omar AS, **Ghattas MH**. Patterns of angiotensin converting enzyme insertion/deletion gene polymorphism among an Egyptian cohort of patients with rheumatoid arthritis. **Int J Rheum Dis.** 2013;16(3):284-290.
- 26-Ghattas MH**, Badawy H, Mesbah NM, Abo-Elmatty DM. Apolipoprotein CIII3238C/G gene polymorphism influences oxidized low-density lipoprotein with a risk of essential hypertension. **Journal of Biochemical and Pharmacological Research**, 2013; 1(3): 143-147.

I do hereby declare that the information furnished above is true to the best of my knowledge.

Name: Maivel H. Ghattas

Signature: Maivel Ghattas

- 27-Ghaly MS, Ghattas MH, Labib SM.** Association of catalase gene polymorphisms with catalase activity and susceptibility to systemic lupus erythematosus in the Suez Canal area, Egypt. **Lupus.** 2012;21(11):1244-1249.
- 28-Ghattas MH, Amer MA.** Possible role of microsomal epoxide hydrolase gene polymorphism as a risk factor for developing insulin resistance and type 2 diabetes mellitus. **Endocrine** 2012;42(3):577-583.
- 29-Ghattas MH, Abo-Elmatty DM.** Association of polymorphic markers of catalase and superoxide dismutase genes with type 2 diabetes mellitus. **DNA and Cell Biology** 2012; 31: 1598-1603.
- 30-Ghattas MH, Abo-Elmatty DM, El-Eraki AZ.** C-reactive protein 1059G/C gene polymorphism, C-reactive protein levels and acute myocardial infarction. **J Cardiovasc Med (Hagerstown).** 2012;13(11):716-719.
- 31-Amer MA, Ghattas MH, Abo-Elmatty DM, Abou-El-Ela SH.** Evaluation of glutathione S-transferase P1 genetic variants affecting type-2 diabetes susceptibility and glycemic control. **Arch Med Sci** 2012;8(4):631-636.
- 32-Amer MA, Ghattas MH, Abo-Elmatty DM, Abou-El-Ela SH.** Influence of glutathione S-transferase polymorphisms on type-2 diabetes mellitus risk. **Genetics and Molecular Research** 2011;10(4):3722-3730.
- 33- Tawfik MK, Ghattas MH, Abo-Elmatty DM, Abdel-Aziz NA.** Atorvastatin restores the balance between pro-inflammatory and anti-inflammatory mediators in rats with acute myocardial infarction. **European Review for Medical and Pharmacological Sciences** 2010; 14: 499-506.
- 34-Sacerdoti D, Colombrita C, Ghattas MH, Ismaeil EF, Scapagnini G, Bolognesi M, Li Volti G, Abraham NG.** Heme oxygenase-1 transduction in endothelial cells causes downregulation of monocyte chemoattractant protein-1 and of genes involved in inflammation and growth. **Cell Molecular Biology** 2005; 51(4): 1101-1109.
- 35-Abdel-Aziz MT, Al-Asmar MF, El-Miligy D, Hazem A, Shaker O, Ghattas MH; Hosni H; Kamal N.** Retrovirus-Mediated human Heme Oxygenase-1 (HO-1) Gene Transfer into Rat Endothelial Cells: The Effect of HO-1 Inducers on the Expression of cytokines. **International J. of Biochemistry and Cell Biology** 2003;35: 324-332.

I do hereby declare that the information furnished above is true to the best of my knowledge.

Name: Maivel H. Ghattas

Signature: Maivel Ghattas

- 36-Ghattas MH**, Chuang LT, Kappas A, Abraham NG. Protective effect of HO-1 against oxidative stress in human hepatoma cell line (HepG2) is independent of telomerase enzyme activity. **International J. of Biochemistry and Cell Biology** 2002; 43 (12): 1620-1629.
- 37-Malaguarnera L**, Pilastro M, Quan S, **Ghattas MH**, Yang L, Mezentsev AV, Kushida T, Abraham NG, Kappas A. Significance of heme oxygenase in prolactin-mediated cell proliferation and angiogenesis in human endothelial cells. **International J. of Molecular Medicine**. 2002;10 (4):433-40.
- 38-Sunamura M**, Duda DG, **Ghattas MH**, Lozonschi L, Kodama T, Egawa S, Matsumoto G, Shimamura H, Shibuya H, Takeda K, Matsuno S, Abraham NG. Heme Oxygenase-1 accelerates tumor angiogenesis of human pancreatic cancer. **Journal of Angiogenesis** 2002; 6: 15-24.
- 39- Ghattas M.H.**, Chuang L.T., Abraham N.G. Response of Heme Oxygenase and Telomerase Enzymes to Oxidative Stress in Human Hepatoma Cell Line (HepG2). In: Abraham NG, Alam J, Nath K., editors. **Heme Oxygenase in Biology and Medicine**. Kluwer Academic/Plenum publishers, NY. USA. 2002; 343-351.

I do hereby declare that the information furnished above is true to the best of my knowledge.

Name: Maivel H. Ghattas

Signature: Maivel Ghattas

Other Relevant Experience

- **Professional development program certificate** on Teaching Excellence in Medical Education, Military Medical Academy, 2017.
- **Training of Trainers Capacity building** on HINARI Access to Research for Health programmer, WHO, HINARI, EKB and Military Medical Academy; 2018.
- **External audit course for institutions of higher education** from National Authority for Quality Assurance and Accreditation of Education (NAQAEE), 2010.
- **Learning outcomes and curriculum maps for higher education.** From National Authority for Quality Assurance and Accreditation of Education (NAQAEE), 2010
- **Institutional self-evaluation for institutions of higher education.** From National Authority for Quality Assurance and Accreditation of Education (NAQAEE), 2010.
-

I do hereby declare that the information furnished above is true to the best of my knowledge.

Name: Maivel H. Ghattas

Signature: Maivel Ghattas