



كلية معتمدة من الهيئة القومية
لضمان جودة التعليم والإعتماد



Curriculum Vitae

Personal Data:-

Name Mohamed Mostafa Hamed Omran
Nationality Egyptian
Date of birth 1/1/1971
Status Married and has two sons and one daughter
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Academic degrees:

Degree	University	Awarding Date	Title of thesis/ Grade
1. PhD (Biochemistry)	Cairo	2007	Biochemical Studies on <i>Mycobacterium Tuberculosis</i> Antigen
2. M.Sc. (Biochemistry)	Helwan	2000	Identification and characterization of <i>Mycobacterium tuberculosis</i> antigen (s) using some biochemical techniques
3. B.Sc. (Chemistry - Biochemistry)	Mansoura	1992	Very good

Appointments:

31-10-2017

- Associate professor of Biochemistry, Chemistry department, Faculty of science, Helwan univeristy.

25-9-2012

- Appointed in the Chemistry department, Faculty of science, Helwan univeristy.

1-8-2012

- Associate professor of Biochemistry, Biotechnology Research Center, New Damietta.

2007- 2012:

- Investigator of Biochemistry, Biotechnology Research Center, New Damietta.

2000- 2007:



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- Assistant investigator of Biochemistry, Biotechnology Research Center, New Damietta.

1997- 2000:

- Biochemist, Biotechnology Research Center, New Damietta.

Awards:

1. Encouraging Helwan University in basic science **2018**.
2. Professor Abdelfattah Attallah prize in advanced biotechnology sciences **2020**.
3. According to **AD Scientific Index 2021 and 2022**, Mohamed M. Omran is biochemistry best scientist in Helwan University (www.adscientificindex.com/scientist.php?id=94502).
4. Professor Abdelfattah Attallah prize in scientific excellence **2022**.

Member of committee

1. Research support center- Helwan University from 18-12-2019 till now.
2. The academic regulations for the Master of Science program (**molecular biotechnology**); (Credit hours program).
3. The academic regulations of the Bachelor Program (**Biochemistry**); (Credit hours program).
4. The academic regulations of the Bachelor of Science Program (**biotechnology and genetic engineering**); **Helwan National University** (Credit hours program).
5. The academic regulations of the Bachelor of Science Program (**Biochemistry and molecular biology**); **Helwan National University** (Credit hours program).

Administrative Jobs:

1. Academic registrar of **MSC Molecular biotechnology** program,
2. EX-Coordinator of **Molecular biotechnology** program,
4. Member in **second level of Bachelor** control.
5. EX-Member in **accumulative control**.
6. EX-Head control of **Molecular biotechnology** Program
7. Academic advisor in **Biochemistry Diploma** (Credit hours program)
8. EX- Coordinator of **molecular biotechnology** in Quality Assurance Unit
9. EX- Coordinator of **chemistry and biochemistry** in Quality Assurance Unit.

Area of interesting



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1. Infectious diseases (HCV, Schistosoma, tuberculosis, *H. pylori*)
2. Cancer (hepatocellular carcinoma, colorectal cancer, bladder cancer, breast, lung cancer, and thyroid cancer).
3. Liver diseases (fibrosis, cirrhosis, esophageal varices).
4. Chronic kidney diseases.
5. Cardiovascular diseases.
6. Nonalcoholic fatty liver diseases (NAFLD)
7. COVID 19

Teaching Experiences for Science Students:

1. Undergraduate students:

- a. **Biology students** (General biochemistry)
- b. **Biochemical students:** Carbohydrates and carbohydrates metabolism; proteins and proteins metabolism; lipid and lipid metabolism; hormones; enzymes and minerals; industrial biochemistry.
- c. **Biotechnology program students:** Introduction of biotechnology, Current topics of biotechnology, fermentation and industrial biotechnology, food biotechnology, biotechnology applications in immunological techniques, nano-biotechnology, clinical and molecular diagnosis.

2. Post-graduate students

- a. **Biochemistry Diploma:** (Molecular biology, hormones, toxicology)
- b. **Biochemistry MSC students** (Advanced proteins, amino acids and nucleic acid metabolism, vitamins), Advanced immunology, cancer biology)
- c. **MSC of Molecular biotechnology students:** (Genetic engineering, applied and diagnostic immunology).
- d. **Biochemistry PhD students:**

Conferences:

1. 18th Annual Conferences of The Egyptian Society of Laboratory Medicine. The Laboratory: From Self- Self Evaluation to Accreditation. March 21st–22nd, 2007–Cairo international Conference Centre- Nasr City, Cairo, Egypt.
2. 6th Annual Conferences of The Clinical Pathology Departments Faculty of Medicine. AL Azhar University May 10th 2008.



3. 7th International Congress of the Egyptian Society of Pediatric Hematology & Oncology (National Training Institute), 26th – 17th March, 2009.
4. 6th annual congress of the Egyptian Society of Hepatology, Gastroenterology & infectious Diseases in Sharkia , 30 June.
5. New aspects of Biotechnology.1st Egyptian Society of united Scientists congress.4th April 2014.
6. Nano-Biotechnology Training course. -5th March 2015 at faculty of postgraduate studies for advanced sciences, Beni- Suef University.
7. Darwish H, Farag AM, Said A, Ismail M, Omran mm. Impact of vascular endothelial growth factor on prognosis of patients with hepatocellular carcinoma treated with angiotensin converting enzyme inhibitors. Ain Shams University clinical oncology conference (International conference) (Egypt), 25 November 2015. (Poster).
8. Biotechnology and its application in medical and microbial sectors. National Research Centre, Giza, Egypt. May 8-9, 2016.
9. 18th Annual Conferences of The Egyptian Society of Laboratory Medicine. Crucial partner in health care. April 8-10 2017 –Cairo international Conference Centre- Nasr City, Cairo, Egypt.
10. Nanotechnology revolution of scientific research (Knowledge Challenges Application. National Research Centre, Giza, Egypt. November 15, 2016.
11. German – Egypt network for innovation and development. February 2-23 2017.
12. Preparation and production of monoclonal antibodies. Veterinary serum& vaccine research institute. 5-9 November 2017.
13. Recent application in medical science. Egyptian society scientists
14. Absolute quantitative real time PCR. Oncology diagnostic unit, faculty of medicine –Suez Canal University. 11-12 February 2019.
15. Bioinformatics workshop microbial biodiversity analysis. Oncology diagnostic unit, faculty of medicine –Suez Canal University. 21th April 2019.



16. Annual Conferences of the Egyptian Society of Laboratory Medicine. Crucial partner in health care. April 8-10 2017 –Cairo international Conference Centre- Nasr City, Cairo, Egypt.
17. 4th Annual Conferences of **the Clinical Pathology Departments Faculty of Medicine**. AL Azhar University, October 24th2019.
18. Proposal writing and grant application workshop. **Research support center**, Helwan university, January 14th2020.
19. Basic biomedical statically analysis workshop. **Research support center**, Helwan university , July 27th2020.
20. Tips for Scientific Publishing, **Research support center**, Helwan university, October 3, 2020.
21. Beer review process and reasons for rejecting the manuscript; **Research support center**, Helwan university, March 6, 2021.
21. The role of scientific research in confronting rumors and fake news on the Internet, **Research support center**, Helwan university, June 19, 2021.
22. Statistical analysis in Clinical Research workshop. **Research support center**, Helwan university, July 13th2021 (**Speaker**).
23. Interdisciplinary research, **Research support center**, Helwan University, July 31, 2021.
24. What makes a good supervisor and creates a skilled researcher; **Research support center**, Helwan University, September 11, 2021.
25. Common methodological errors in scientific research, **Research support center**, Helwan University, October 30, 2021.
26. An introduction to the Egyptian Knowledge Bank, **Research support center**, Helwan university, November 27, 2021
27. Cancer immunotherapy from bench to clinic. **Suez Canal University**. November 6, 2021.
28. Systematic review and meta-analysis. **Research class**. 11 February to 25 March, 2022



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29. Research methodology workshop. **Clinical Pathology Department, Faculty of Medicine.** AL Azhar University, New Damietta, June 6th2022 (**Speaker**).
30. Research Methods workshop. Ministry of Health & Population Training and Researches Sector. Administration of Research and Health Development. Damietta, June 14-16th2022. (**Speaker**).

Research Project:

1. **Principal investigator (PI)** “NanoBioTechnology for CoronaVirus-2019 Detection: Rapid Test, ELISA Assay, and Electrochemical Nanobiosensor”. Research Grant from: Ideation Fund- academy of scientific research and technology. 2020
2. Adaptation of dot ELISA assay for field diagnosis of tuberculosis. Research Grant from: US – Egypt Joint Foundation during the period June 1, 2001 till May 31, 2002.

Associate Editor

1. Journal of Medical and Life Science (<http://jmals.journals.ekb.eg/>)

Editorial board members:

1. The Open Biochemistry Journal (<https://benthamopen.com/TOBIOCIJ/editorial-board/>) IF (1.2, Q3).
2. Bioscience and applied research (<http://jbaar.org/editorial-board>) (ISI: 1.2)
3. Asian Journal of Biochemistry (<https://scialert.net/eboard.php?issn=1815-9923>) (IF: 1; Q4)
4. Trends in Medical Research (<https://scialert.net/eboard.php?issn=1819-3587>) (IF: 1; Q4)
5. Current Research in Tuberculosis (<https://scialert.net/eboard.php?issn=1819-3366>)
6. SCIREA Journal of Chemistry (<https://www.scirea.org/journal/EditorialBoard?JournalID=15000>)
7. Board of Reviewers of Hepatoma Research (https://hrjournal.net/pages/view/reviewer_board)
8. Technology in Cancer Research & Treatment (<https://journals.sagepub.com/editorial-board/TCT>).

Reviewer Experience:



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a. Journal

1. Tumor biology (IF:3.6)
2. Macedonian Journal of Medical Sciences (IF: 0.34)
4. PLOS ONE (IF:2.7)
5. Cancer Epidemiology (IF:2.6)
6. Journal of Clinical Laboratory Analysis (IF:1.728)
7. Cancer medicine (IF: 3.357)
8. Journal of International Medical Research (IF 1.351)
9. International Research Journal of Biochemistry and biotechnology
10. Scholarena EMS
11. Medical science monitor (IF 1.9)
12. Annals of Gastroenterology and Digestive Disorders
13. Turkish Journal of Gastroenterology (IF 1.1)
14. Scientific Reports (IF 4.2)
15. Journal of Cancer Research and Clinical Oncology (IF; 3.5 Q1)
16. Alfarama Journal of Basic & Applied Sciences
17. Journal of gastroenterology and hepatology (IF; 1.0 Q3)
18. Biomarkers in Medicine (IF; 3.0 Q2)
19. Journal of Cancer Research and Clinical Oncology (IF; 3.6 Q1)
20. International Journal of Immunopathology and Pharmacology (IF: 3.1; Q3)
21. Egyptian Journal of Chemistry (IF: 1,145; Q3)

b. Project:

1. Competitive Funding Projects of Mansoura University "Investigation of the role of LRPPRC in ovarian cancer progression and chemotherapeutic-resistance".

MSC and PhD Thesis:

1. **Omnia Fawzy (MSC).** Changes in gene expression profiles during differentiation of adult human bone-derived stem cells into insulin-producing cells. **2017.** Damietta University, Faculty of Science, Department of Chemistry, Biochemistry Division.



2. **Youmna Fawzy (MSC)**. Biochemistry studies on thyroid cancer patients using biotechnology techniques **2018**. Damietta University, Faculty of Science, Department of Chemistry, Department of Biochemistry.
3. **Shaima Wali (MSC)**. Biochemical and immunohistochemical studies on chronic kidney disease patients. **2019**. Damietta University, Faculty of Science, Department of Chemistry, Biochemistry Division.
4. **Rasha Yousef (MSC)**. Evaluation of some biomarkers of diabetic nephropathy in patients with diabetes **2019**. Damietta University, Faculty of Science, Department of Chemistry, Biochemistry Division.
5. **Zainab Muhammad Jabba (MSC)**. Biochemical study on the protective effect of curcumin against induced liver disease in experimental animals. **2020**. Damietta University, Faculty of Science, Department of Chemistry, Biochemistry Division.
6. **Jihad Tariq (MSC)**. Evaluation of circulating miRNAs as predictive biomarkers for HCC patients treated with trans-arterial chemoembolization (TACE). **2020** Helwan University, Faculty of Science, Department of Chemistry, Division of Biochemistry.
7. **Mustafa Ajaj (PhD)**. Bacteriological and serological studies on Haemophilus influenzae. **2020**. Damietta University, Faculty of Science, Department of Botany and Microbiology.
8. **Abdel-Wahab Osama Abdel-Wahab (MSC)**. Evaluation of some tumor markers in the diagnosis of hepatocellular carcinoma associated with viral infection. **2020** Helwan University, Faculty of Science, Department of Chemistry, Biochemistry Division.
9. **Ruqayya Muhammad Hussain (MSC)**. Biochemical studies on some biomarkers of colorectal cancer. **2021** Helwan University, Faculty of Science, Department of Chemistry, Biochemistry Division.
10. **Shaima Magdy Abdel Samie Abdel Aziz (MSC)**. Immunohistochemical evaluation of a circulating protein biomarker for colorectal cancer. **2021** Minia University, Faculty of Science, Department of Chemistry, Department of Biochemistry.



11. **Sarah Massad Amin Ahmed (MSC)**. Biochemical studies of hepatitis C virus-associated liver cancer using some inflammatory markers. **2021** Damietta University, Faculty of Science, Department of Chemistry, Biochemistry Division.

12. **Doaa Hassan Mohammed Hassan (MSC)**. Immunohistochemical detection and evaluation of some biomarkers for laboratory diagnosis and prediction of colorectal cancer. **2021**. Minia University, Faculty of Science, Department of Chemistry, Department of Biochemistry.

13. **Yasmine Taha Taha Sayed Ahmed Abu Al-Saud (MSC)**. Evaluation of some vital signs of cardiovascular disease in patients with type 2 diabetes. **2021**. Damietta University, Faculty of Science, Department of Chemistry, Biochemistry Division.

14. **Asmaa Ahmed Al-Rifai Suleiman (MSC)**. Evaluation of the anticancer activity of dipyrindamole and imatinib methylation against breast cancer and related biochemical and genetic changes. **2022** Helwan University, Faculty of Science, Department of Chemistry, Biochemistry Division.

15. **Mahmoud Mustafa Ibrahim Mohamed (MSC)**. Prognostic effect of TEM3 in patients with acute myelogenous leukemia. **2022** Mansoura University, College of Science, Department of Chemistry, Biochemistry Division.

16. **Alaa Mohamed Reda (MSC)**. Isolation and characterization of plant L-methioninase and its anticancer activity. **2022** Mansoura University, College of Science, Department of Chemistry, Biochemistry Division.

Publications:

- **58 international Scopus scientific papers** (482 citations) with **14 h index** according to Scopus ID (www.scopus.com/authid/detail.uri?authorId=8622008300).

- **Verified reviews: 47 articles** according to researcher ID: F-9254-2019 (https://publons.com/researcher/1768309/mohamed-omran/).

https://orcid.org/ 0000-0001-8557-3104.

<https://www.researchgate.net/profile/Mohamed-Omran-2->



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Book chapters:

1. Hussien EA, Mekkawy SA, E Eltahawy, Saadeldin IM and **Omran MM**.
Productive cloning. In advances in Assisted Reproduction Technologies.
Benthambooks. Sharjah, U.A.E
(<https://benthambooks.com/book/9789815051667/contributors>).
2. Mekkawy SA, Hussien EA, Fouda MS and **Omran MM**. Heat Shock Proteins
as Diagnostic Biomarkers and Therapeutic Agents (accepted).

رئيس قسم الكيمياء

أ.د/ جمال مهدى

عميد الكلية

أ.د. عماد ابو الذهب