



CURRICULUM VITAE

•Personal Details

- Full Name: Medhat Abou Gomaa Mohamed Haroun
- Surname: Haroun
- Sex: Male
- Date of Birth: December 10, 1967
- Marital Status: Married and have three children
- Nationality: Egyptian
- Designation: Professor of Biochemistry and Immunology
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•Academic Qualifications

- I. **BSc in Biochemistry** with distinction 'Excellent Grade', (1984-1988)
Department of Biochemistry, Faculty of Science, University of Alexandria,
Alexandria, Egypt.
- II. **PhD in Biochemistry**, Department of Bioscience and Biotechnology,
Strathclyde University, (Glasgow, UK) and completed in November 1993.
The title of my thesis was "**Immunoglobulin A levels in children and
adults with acute leukaemia**". (<http://worldcatlibraries.org/oclc/81832768>)
- III. **Diploma in Advanced Professional Studies** 1995, Strathclyde
University, Jordanhill Campus (**Methods of Teaching in the
Universities**).



•Working and Teaching Experience

- I. **Demonstrator** for one year (Alexandria University, Egypt) in 1988-1989.
- II. **Post doctor research fellow** for one year working in **leukaemia Project** between Glasgow Royal Infirmary and Strathclyde University, UK in 1994-1995.
- III. **Post doctor research fellow** for one year working in **Plant Salinity Project** (Glasgow University, UK) in 1995-1996.
- IV. **Visiting Scientist** for eight months in Genetically Engineering Project {Retinitis Pigmentosa} (Strathclyde University, UK) in 1997.
- V. **Assistant Professor of Biochemistry**, IGSR, Alexandria University, 1997.
- VI. **Associate Professor of Biochemistry**, IGSR, Alexandria University, 2004.
- VII. **Professor of Biochemistry and Immunology**, IGSR, Alexandria University, 2009.
- VIII. **Head of the Department of Biotechnology**, IGSR, Alexandria University, 2009-2012 and from 2015 until now.

•Academic Distinctions and Awards

- I. Passed BSc in Biochemistry with Excellent Grade. During my postgraduate study, I enjoyed a scholarship offered from ASAI, U.S.A and studentship from Strathclyde University, UK towards my PhD.
- II. The doctoral thesis presented a new immunological assay, this novel assay was considered as a patent work so the University of Strathclyde placed three years' moratoria on the publication of these thesis results.
- III. Holding Alexandria University Award for Scientific Encouragement (2006). (<http://212.103.160.28/algomhuria/2006/06/20/brains/detail03.shtml>)

•Academic Supervision

Supervision of graduate students: 27 Diplomas, 25 Masters and 5 PhD Thesis.

•Participation in Conferences

Attended more than 10 International Conferences and meetings in different parts of the World.

•Membership in Scientific Societies

- New York Academy of Sciences (USA)
- Biochemical Society (UK)



- European Federation of Biotechnology (Spain)
- American Diabetes Association (USA)
- European Peptide Society

•Teaching Courses Experiences

Lecturing at the Department of Biotechnology, IGSR, University of Alexandria since 1997: Teaching experience in the areas of Biochemistry, Immunology, Analytical Biochemistry, Macromolecules, Advanced Biochemistry, Genetic Engineering, application of biotechnology, Molecular Diagnosis and Bases of Molecular Biology.

•Professional Activities

1. Member of the Biotechnology Training Center team (2004) project funded by the Higher Education Enhancement Project (HEEP) (<http://www.alexbiotechnologycenter.com>).
2. Editorial Advisory Board Member for International Journal of Biological and Chemical Sciences (ISSN: 1991-8631) *Published by* International Formulae Group (<http://www.ajol.info/policies.php?jid=318>).
3. Contribution to the peer-review process of Food and Chemical Toxicology (ISSN: 0278-6915) *Published by* Elsevier.
4. Contribution to the peer-review process of African Journal of Pharmacy and Pharmacology (AJPP) (ISSN: 1996-0816) *Published by* Academic Journals (<http://www.academicjournals.org/AJPP/index.htm>).
5. Contribution to the peer-review process of African Journal of Biochemistry Research (AJBR) (ISSN: 1996-0778) *Published by* Academic Journals (<http://www.academicjournals.org/AJBR/index.htm>).
6. Contribution to the peer-review process of Clinical and Experimental Immunology (CEI) (ISSN: 1365-2249) *Published by* Oxford Blackwell Scientific Publications (http://www.blackwellpublishing.com/cei_enhanced/).

•Research Interest

Research interests include biochemical and immunological investigation of human autoimmune and infectious diseases to better understanding strategies of humoral immune response. Research focused on diagnosis and constructing vital immune markers to identify certain endemic diseases in an attempt to elucidate further complex immuno-pathogenetic interactions of the disease, and provide an opportunity for early intervention that may be used for predicting disease in at-risk



populations, which led to the discovery of modern tools for vital early detection of the disease.

•Publications

1. Haroun M A G M (1994). Immunoglobulin A levels in children and adults with acute leukaemia. Glasgow (GB): University of Strathclyde (PhD thesis). (<http://worldcatlibraries.org/oclc/81832768>)
2. Haroun M (2000) Immunoglobulin A levels in diabetic patients with acute lymphoblastic leukaemia. 39th Annual Meeting of the European Society for Paediatric Endocrinology (ESPE). Brussels, Belgium, 17-19 September 2000 (Abstract). Hormone Research; 53(2):1-192 (ISBN 3-8055-7121-6).
3. Haroun M (2000) Anti-goat immunoglobulin antibodies in adult diabetic patients. 39th Annual Meeting of the European Society for Paediatric Endocrinology (ESPE). Brussels, Belgium, 17-19 September 2000 (Abstract). Hormone Research; 53(2):1-192 (ISBN 3-8055-7121-6).
4. Haroun M (2001) Anti-sheep immunoglobulin antibodies in adult diabetic patients. Experimental Biology 2001. Orlando, Florida, March 31-April 4, 2001(Abstract). The FASEB Journal; 15 (4), March 7, 2001.
5. Haroun M and Saeed H (2001) Abnormal immunoglobulin A and M levels in diabetic patients with acute myeloid leukaemia. Experimental Biology 2001. Orlando, Florida, March 31-April 4, 2001(Abstract). The FASEB Journal; 15 (4), March 7, 2001.
6. Zaghoul TI, Haroun MA, El-Gayar K and Abdelal A (2001) Enhancing the degradative capability of a recombinant Bacillus subtilis strain in the production of soluble proteins and NH₂-free amino groups from chicken feather. 23rd Symposium on Biotechnology for Fuels and Chemicals, May 6-9, 2001, Breckenridge, Colorado, USA.
7. Abu El-Maati MR, Sheweita SA and Haroun MA (2001) Multiplicity of Schistosoma mansoni infection changed the activity of ATPases and the levels of free radical in the liver of male mice. Mansoura J, Forensic Med. Clin.Toxicol., IX(2):1-12.
8. Haroun M (2002). Effect of anti-immunoglobulin antibodies on serum IgA in type 1 diabetes mellitus. Bulletin of Alexandria Faculty of Medicine, XXXVIII(2):169-174.
9. Haroun M and Saeed H (2003) Immunoglobulin A and D levels in children with type 1 diabetes mellitus. Journal of the Medical Research Institute, 24(2):133-141.



10. Haroun M and Brzeski H (2003) Abnormal immunoglobulin A and D levels in children with type 1 diabetes. 22nd Joint Meeting of the British Endocrine Societies, Glasgow, 24-26 March 2003 (Abstract). Endocrine Abstracts; 5, March 2003. (<http://www.endocrine-abstracts.org/ea/0005/ea0005p111.htm>)
11. Zaghoul TI, Haroun MA, El-Gayar K and Abdelal A (2004) Recycling of Keratin-containing Materials (Chicken Feather) Through Genetically Engineered Bacteria. Polymer-Plastics Technology and Engineering, 43 (6): 1589-1599. (<http://www.informaworld.com/10.1081/PPT-200039858>)
12. Haroun M (2004) Rheumatoid Arthritis Patients with Acute Myeloid Leukaemia. Journal of Medical sciences, 4(4):270-275. (<http://www.ansinet.org>)
13. Haroun M (2004) Avoiding Antibodies Interferences on Serum IgA Detection in Rheumatoid Arthritis. Journal of Medical sciences, 4(4):294-299. (<http://www.ansinet.org>)
14. Haroun M (2005) G-6-PD Deficiency-Induced Hemolysis in Diabetic Twins. Indian Pediatrics, 42(7):705-707. (<http://www.ncbi.nlm.nih.gov/pubmed/16085973>)
15. Haroun M (2005) Binding of IgM antibodies to bovine serum albumin as a biomarker for type 1 diabetes mellitus. 30th FEBS Congress - 9th IUBMB Conference in Budapest, Hungary 2nd-7th July, 2005. The FEBS Journal; Volume 272, Supp. 1, July 2005, pp.1-650. (<http://www.blackwellpublishing.com/febsabstracts2005>)
16. Haroun M (2005) Effect of anti-immunoglobulin antibodies provides new insights into immune response to HCV. Journal of Medical Investigation, 52(3-4):172-177. (<http://www.ncbi.nlm.nih.gov/pubmed/16167535>)
17. Haroun M (2005) Bovine serum albumin antibodies as a disease marker for hepatitis E virus infection. Journal of Biomedicine & Biotechnology, 2005(4):316-321. (<http://www.ncbi.nlm.nih.gov/pubmed/16489265>)
18. Haroun M (2006) The influence of tobacco smoking on humoral immune response in insulin dependent diabetic pregnancy. Indian Journal of Clinical Biochemistry, 21(2):95-99. (<http://www.ncbi.nlm.nih.gov/pubmed/23105622>)
19. Yousef MI, Haroun M, El-Masry MH and Ateia REA (2006) Biochemical and immunological study on the effects of barley and its components as hypoglycemic agents in diabetic rats. American Journal of Biochemistry and Biotechnology, 2(1):1-8. (<http://www.scipub.org>)
20. Haroun M and El-Sayed MM (2007) Measurement of IgG levels can serve as a biomarker in newly diagnosed diabetic children. Journal of Clinical Biochemistry and Nutrition, 40(1):56-61. (<http://www.ncbi.nlm.nih.gov/pubmed/18437206>)



21. Haroun M and El-Sayed MM (2007) Diagnostic value of immunoglobulin A and M antibodies as a disease marker for hepatitis A infection. *Turkish Journal of Biochemistry*, 32(1):22–27. (<http://www.turkjbiochem.com/eng/pages/toc.html>)
22. Haroun M (2007) Utility of bovine serum albumin antibodies as a biomarker for arthritis in children. *Acta Medica Nagasakiensia*, 52(3):79-82. (<http://www.jstage.jst.go.jp/browse/amn>)
23. Haroun M and El-Masry MH (2008) Antibodies reacting with human immunoglobulin in sera from autoimmune thyroid disease patients as a risk factor for false positive results in IgA assessment. *Central European Journal of Immunology*, 33(4):208-212. (http://www.termedia.pl/magazine.php?magazine_id=10&magazine_subpage=CURRENT)
24. Mahrous AA, Helmy M and Haroun M (2009) Protein Model Database (PMDb:PM0075997) (http://mi.caspur.it/PMDb/user/model_info.php?id=75998)
25. Hussein A, Salah S, Haroun M and El-Masry H (2010) Alginates of the Egyptian Marine Brown Algae display anti-tumorigenic activity against *Agrobacterium tumefaciens*. *Egyptian Journal of Botany*, 27: 68-84.
26. Ahmad TA, El-Sayed LH, Haroun M, Hussein AA and El-Ashry ES (2012) Development of immunization trials against *Klebsiella pneumoniae*. *Vaccine*, 30(14):2411-2420. (<http://www.ncbi.nlm.nih.gov/pubmed/22100884>)
27. El-Sayed LH, Haroun M, Hussein AA, El Ashry ES and Ahmad TA (2012) Screening of Novel Epitopes in *Klebsiella pneumoniae*, as Target for Vaccine Design. *J. of Immunological Studies*, 1(4):336-348. (<http://www.inderscience.com/offer.php?id=51235>)
28. Ahmad TA, Haroun M, Hussein AA, El Ashry ES and El-Sayed LH (2012) Development of a New Trend Conjugate Vaccine for the Prevention of *Klebsiella pneumoniae*. *Int. Infectious Disease Reports*, 4(2):128-133. (<http://www.ncbi.nlm.nih.gov/pubmed/24470947>)
29. El-Gayar KE, Zaghloul TI, Haroun MA and Saeed MH (2012) Purification of Alkaline Protease from Hydrolyzed Chicken Feather Waste Using Recombinant *B. Subtilis* Strain. *Scientific Journal of King Faisal University (Basic and Applied Sciences)*, 13 (1): 139-151. (<http://apps.kfu.edu.sa/sjournal/eng/pdffiles/b1318.pdf>)
30. Tawfik DM, Ahmad TA, El-Sayed LH, Haroun M and Sheweita SA (2013) *Acinetobacter baumannii*, a new target for vaccine design and production. The 11th international symposium on Biocontrol and Biotechnology (ISBB) October 1-4, 2013, Alexandria - Egypt.



31. Ahmad TA, Rammah SS, Sheweita SA, Haroun M and El-Sayed LH (2014) Development of immunization trials against *Pasteurella multocida*, Vaccine, 32(8):909-917. (<http://www.ncbi.nlm.nih.gov/pubmed/24295805>)
32. El-Kafoury AA, Haroun M, Embaby MA and Dawoods SA (2014) The association of polymorphic sites in some genes with type 1 diabetes mellitus in a sample of Egyptian children. Egyptian Journal of Medical Human Genetics, 15:265-272. (<http://www.sciencedirect.com/science/article/pii/S1110863014000585>)
33. El-Hosseiny L, El-Shenawy M, Haroun M and Abdullah F (2014) Comparative Evaluation of the Inhibitory Effect of Some Essential Oils with Antibiotics against *Pseudomonas aeruginosa*. International Journal of Antibiotics, 2014 (2014):1-5 (<http://dx.doi.org/10.1155/2014/586252>)
34. Nouredin M, Haroun M, Diab I, Elbanna S and Abdelwahab N (2014) Association of Interleukin 13 +2044G/A Polymorphism with Bronchial Asthma Development, Severity and Immunoglobulin E levels in an Egyptian Population. Clinical Medicine and Diagnostics, 4(4):71-77. (<http://journal.sapub.org/cmd>)
35. Shamaa MM, Fouad H, Haroun M, Hassanein M and Abdel Hay MA (2015) Association between the Angiotensinogen (AGT) gene (M235T) polymorphism and Essential Hypertension in Egyptian patients. The Egyptian Heart Journal, 67 (1):1-5. (<http://www.sciencedirect.com/science/journal/1110260813000951>)