



28/6/2012

CURRICULUM VITAE

Name Mohamed Ragaa Mohamed
Date and place of birth Nov. 8th, 1969. Cairo, Egypt
Sex Male
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Title Professor
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Certificates obtained

B.Sc. in Biochemistry Department of Biochemistry, Ain Shams University, Cairo, Egypt, (May, 1990).
Major grade: Excellent with honors (GPA of 4.0; Valedictorian).

M.Sc. in Biochemistry Department of Biochemistry, Ain Shams University, Cairo, Egypt, (Sept., 1996).
Title of thesis: The Isolation and Characterization of Immunologically Important Schistosome Antigens.

Ph.D. in Biochemistry Department of Biochemistry, School of Medicine and Biomedical Sciences, State University of New York at Buffalo, Buffalo, NY, 14214, USA (June, 2001).
Title of thesis: Identification of Vaccinia Virus Nucleoside Triphosphate Phosphohydrolase I (NPH I) Interacting Proteins and Evaluation of Their Involvement in Early Gene Transcription Termination.

Current employment

Professor Department of Biochemistry, Faculty of Science, Ain Shams University, Cairo, Egypt. (2012-current)

Posts held

Assistant Professor Department of Biochemistry, Faculty of Science, Ain Shams University, Cairo, Egypt. (2006-2011)

Post Doctoral Associate Department of Molecular Genetics and Microbiology, College of Medicine, University of Florida, Gainesville, FL, 32610, USA. (2007-2009)

Lecturer Department of Biochemistry, Faculty of Science, Ain Shams University, Cairo, Egypt. (2001-2006)

Research Assistant Professor Department of Microbiology and Immunology, School of Medicine and Biomedical Science, State University of New York at Buffalo, Buffalo, NY, 14214, USA. (2003-2004)

Post Doctoral Associate Department of Microbiology, School of Medicine and Biomedical Science, State University of New York at Buffalo, Buffalo, NY, 14214, USA. (2002-2003)

Teaching Assistant Department of Biochemistry, School of Medicine and Biomedical Science, State University of New York at Buffalo, Buffalo, NY, 14214, USA. (1997-2001)

Assistant Lecturer Department of Biochemistry, Faculty of Science, Ain Shams University, Cairo, Egypt. (1996-2001)

Instructor Department of Biochemistry, Faculty of Science, Ain Shams University, Cairo, Egypt. (1990-1996)

الخبرات والمناصب الإدارية

١. مدير وحدة أبحاث وخدمات الهندسة الوراثية بكلية العلوم - جامعة عين شمس (منذ 2011 - الآن).
٢. مدير تحرير (Managing Editor) المجلة العلمية لكلية العلوم - جامعة عين شمس (منذ 2011 - الآن) (Egyptian Journal of Pure and Applied Science)
٣. رئيس كمنترول دبلوم الدراسات العليا بكلية العلوم - جامعة عين شمس (منذ 2012 - الآن).
٤. رئيس لجنة القبول بدبلوم الدراسات العليا بقسم الكيمياء الحيوية - كلية العلوم - جامعة عين شمس (أعوام 2013/2012 ، 2014/2013).
٥. رئيس لجنة وضع الخطة البحثية لكلية العلوم - جامعة عين شمس (2012).
٦. عضو لجنة الدراسات العليا بكلية العلوم - جامعة عين شمس (2013/2012).
٧. عضو لجان التحكيم لترقية الأساتذة والأساتذة المساعدين بالمجلس الأعلى للجامعات المصرية (منذ 2013 - الآن).
٨. عضو لجنة شئون التعليم والطلاب بكلية العلوم - جامعة عين شمس (2015/2014).
٩. رئيس الفريق التنفيذي لمعيار "أعضاء هيئة التدريس" ببرنامج التطوير المستمر والتأهيل للإعتماد - كلية العلوم - جامعة عين شمس (منذ 2012 - الآن).
١٠. رئيس الفريق التنفيذي للمخرج / المردود "4ب" (زيادة كفاءة أعضاء هيئة التدريس والهيئة المعاونة) ببرنامج التطوير المستمر والتأهيل للإعتماد - كلية العلوم - جامعة عين شمس (منذ 2012).
١١. عضو الفريق التنفيذي لمعيار "البحث العلمي" ببرنامج التطوير المستمر والتأهيل للإعتماد - كلية العلوم - جامعة عين شمس (منذ 2012 - الآن).
١٢. عضو لجنة إنتخابات اتحاد طلاب كلية العلوم - جامعة عين شمس (أعوام 2012/2011 ، 2013/2012).

١٣. عضو لجنة إختيار الطالب المثالي بكلية العلوم - جامعة عين شمس (2013/2012).
١٤. المشاركة في وضع الجداول الدراسية وجداول الإمتحانات لمرحلة البكالوريوس بكلية العلوم - جامعة عين شمس (أعوام 2012/2011 ، 2013/2012).

Research experience and interest

Over my career I have gained an extensive experience on the application of molecular biology techniques, bioinformatics and biotechnology to studies on human pathogens.

المشاريع البحثية

١. المشاركة كباحث في مشروع "إستنباط ميكانيكية إنهاء نسخ جينات فيروس الفاكسينيا المبكرة" الممول من المعهد القومي للصحة والمعهد القومي للحساسية والأمراض المعدية بالولايات المتحدة الأمريكية (2002 - 2004).
٢. المشاركة كباحث رئيسي مساعد في مشروع "إبتكار موانع جديدة وغير مألوفة لتكاثر فيروس الطفح الراشح" الممول من مؤسسة تمويل الأبحاث بجامعة ولاية نيويورك بمدينة بافلو بالولايات المتحدة الأمريكية (2003 - 2004).
٣. المشاركة كباحث في مشروع بوحدة البيولوجيا الجزيئية وخدمات الهندسة الوراثية بجامعة عين شمس يهدف إلى تطوير لقاحات لمرض البلهارسيا بإستخدام الدنا - أكاديمية البحث العلمي والتكنولوجيا - جمهورية مصر العربية (2004 - 2007).
٤. المشاركة كباحث رئيسي مساعد في مشروع بوحدة البيولوجيا الجزيئية وخدمات الهندسة الوراثية بجامعة عين شمس يهدف إلى تطوير متفاعلات مناعية تشخيصية لفيروس الإلتهاب الكبدي الوبائي سي - أكاديمية البحث العلمي والتكنولوجيا - جمهورية مصر العربية (2006 - 2010).
٥. المشاركة كباحث في مشروع يهدف الى إستنباط الآليات الجزيئية للتعرف على فيروس الميكزوما ومسارات الإشارة المستهدفة بألية الدفاع الفيروسي بالإضافة الى التعرف على النواحي الجزيئية لدخول الفيروس. المشروع ممول من المركز الإقليمي الجنوب شرقي للتميز في الأمراض المعدية الناشئة والدفاع البيولوجي ومن المعهد القومي للصحة بالولايات المتحدة الأمريكية (2007 - 2010).
٦. المشاركة كباحث في مشروع "المسح البروتيني لفيروس الجدري" الممول من كلية الطب بجامعة فلوريدا والمعهد القومي للصحة وبمعد لمؤسسة ميريام للوراثة بالولايات المتحدة الأمريكية (2008 - 2012).
٧. المشاركة كباحث في مشروع ممول من جامعة عين شمس (من خلال الخطة الاستراتيجية لقسم الكيمياء الحيوية لعام 2010 - 2011) بعنوان "تطوير وسائل التشخيص والعلاج والوقاية من الإلتهاب الكبدي الوبائي سي" - جمهورية مصر العربية (2010 - 2013).

براءات الإختراع

براءة إختراع مقدمة إلي مكتب العلوم ونقل التكنولوجيا بجامعة ولاية نيويورك بمدينة بافلو بالولايات المتحدة الأمريكية:
"موانع جديدة وغير مألوفة لتكاثر فيروس الطفح الراشح" "Novel Inhibitors of Poxvirus Replication"
المخترعون: إدوارد نايلز - محمد رجاء محمد

الإشراف على رسائل الماجستير والدكتوراه

١. المشاركة في الإشراف على عدد (15) رسائل ماجستير - تم منح الدرجة لعدد (5) منهم (بكل من كلية العلوم وكلية الصيدلة - جامعة عين شمس).
٢. المشاركة في الإشراف على عدد (16) رسائل دكتوراه - تم منح الدرجة لعدد (11) منهم (بكل من كلية العلوم وكلية الصيدلة - جامعة عين شمس).

Conferences (15 international and 7 regional)

1. 45th Annual meeting of the American Society of Tropical Medicine and Hygiene, Baltimore, MD, USA (1-5 December, 1996).

2. **Buffalo Conference on Microbial Pathogenesis-11th Annual Meeting**, joint meeting of the SUNY at Buffalo Microbial Pathogenesis Graduate Group and the Western New York Branch of the American Society for Microbiology, Buffalo, NY, 14214, USA (April 13, 1999).
3. **American Society for Virology-18th Annual Meeting**, University of Massachusetts, Amherst, MA, 01003, USA (10-14 July, 1999).
4. **CAMBI-MCBP Research Day**, State University of New York at Buffalo, Buffalo, NY, 14214, USA (January 14, 2000).
5. **Buffalo Conference on Microbial Pathogenesis-12th Annual Meeting**, joint meeting of the SUNY at Buffalo Microbial Pathogenesis Graduate Group and the Western New York Branch of the American Society for Microbiology, Buffalo, NY, 14214, USA (April 12, 2000).
6. **SIGMA XI 2000 Student Research Competition**, State University of New York at Buffalo, Buffalo, NY, 14214, USA (April 25, 2000).
7. **XIIIth International Poxvirus and Iridiovirus Symposium**, Le Corum, Montpellier, France (2-6 September, 2000).
8. **CAMBI-MCBP Research Day**, State University of New York at Buffalo, Buffalo, NY, 14214, USA (January 10, 2001).
9. **The 1st Ain Shams University Conference for Biotechnology**, Ain Shams University, Cairo, 11566, Egypt. (22-24 December, 2001).
10. **XIVth International Poxvirus and Iridiovirus Workshop**, Lake Placid, NY, USA (20-25 September, 2002).
11. **Buffalo Conference on Microbial Pathogenesis-15th Annual Meeting**, joint meeting of the SUNY at Buffalo Microbial Pathogenesis Graduate Group and the Western New York Branch of the American Society for Microbiology, Buffalo, NY, 14214, USA (April 30, 2003).
12. **CAMBI-MCBP Research Day**, State University of New York at Buffalo, Buffalo, NY, 14214, USA (June 20, 2003).
13. **American Society for Virology-22nd Annual Meeting**, University of California, Davis, CA, 01003, USA (12-16 July, 2003).
14. **The 7th National Conference of Biochemistry and Molecular Biology and their role in Development and Environment**, National Committee for Biochemistry and Molecular Biology (NCBMB), Cairo, 11566, Egypt. (5-7 March, 2006).
15. **Ain Shams University Workshop on Research Ethics**, Ain Shams University, Cairo, 11566, Egypt. (January 25, 2007).
16. **Tenth Southeastern Regional Virology Conference**, Georgia State University, Atlanta, GA, USA (April 4 - 6, 2008).
17. **17th International Poxvirus and Iridiovirus Conference**, Grainau (Bavaria), Germany (June 7-12, 2008).
18. **American Society for Virology-28th Annual Meeting**, University of British Columbia, Vancouver, BC, Canada (11-15 July, 2009).
19. **9th National Conference of Biochemistry and Molecular Biology – Development & Environment**, Cairo, Egypt (4-6 March, 2012).
20. **11th National Conference of Biochemistry and Molecular Biology – Disease Diagnosis & Health Care**, Cairo, Egypt (March 30 – April 1, 2014).
21. **Ain Shams University's 3rd Scientific Conference – The Interdisciplinary and Multidisciplinary Studies and the Needs of the Labor Market**, Cairo, Egypt (22 – 23 April, 2014). Session Chair.
22. **The annual scientific conference of the Egyptian Society of Biochemistry and Molecular Biology (ESBMB) in collaboration with the Egyptian Society of Tumor Markers Oncology (ESTMO) – Molecular Biology & Malignancy Update**, Cairo, Egypt (1-2 May, 2014).

Training courses and Certifications

- Molecular biology training at the Department of Microbiology, School of Medicine and Biomedical Science, State University of New York at Buffalo, Buffalo, NY, 14214, USA (May - Oct., 1994).
- Radiation safety certification program, School of Medicine and Biomedical Science, State University of New York at Buffalo, Buffalo, NY, 14214, USA (August 1994).
- Responsible use of radioactive isotopes and protection from ionizing radiation, National Center for Nuclear Safety and Radiation Control, Atomic Energy Agency, Cairo, Egypt (Mar - Apr., 1995).
- Responsible care and use of laboratory animals certification program, School of Medicine and Biomedical Science, State University of New York at Buffalo, Buffalo, NY, 14214, USA (August 1998).

Publications (36 international - 11 regional)

1. **Ragaa, M. M.***, Mohamed, M. M., Shalaby, K. A. and Karim, A. M. (1998). The primary structure of *Schistosoma mansoni* ribosomal protein L37a. *Egyptian Journal of Biochemistry*, **16**(1): 81-90.
* Ragaa, M. M. was my previous publishing name before **Mohamed, M. R.**
2. **Mohamed, M. R.**, Shalaby, K. A., Abdallah, N. M., LoVerde, P. T. and Karim, A. M. (2000). *Schistosoma mansoni* myosin heavy chain: Characterization of an immunoreactive fragment with vaccine potential. *The New Egyptian Journal of Medicine*, **22**(6): 297-303.
3. **Mohamed, M. R.** and Niles, E. G. (2000). Interaction between nucleoside triphosphate phosphohydrolase I and the H4L subunit of the viral RNA polymerase is required for vaccinia virus early gene transcript release. *J. Biol. Chem.*, **275**(33): 25798-25804. (IF: 5.32)
4. **Mohamed, M. R.**, Latner, D. R., Condit, R. C. and Niles, E. G. (2001). Interaction between the J3R subunit of vaccinia virus poly(A) polymerase and the H4L subunit of the viral RNA polymerase. *Virology*, **280**: 143-152. (IF: 3.04)
5. **Mohamed, M. R.** and Niles, E. G. (2001). The viral RNA polymerase H4L subunit is required for vaccinia virus early gene transcription termination. *J. Biol. Chem.*, **276**(23): 20758-20765. (IF: 5.32)
6. **Mohamed, M. R.**, Christen, L. A. and Niles, E. G. (2002). Antibodies directed against an epitope in the N-terminal region of the H4L subunit of the vaccinia virus RNA polymerase inhibit both transcription initiation and transcription termination, *in vitro*. *Virology*, **299**: 142-153. (IF: 3.04)
7. **Mohamed, M. R.** and Niles, E. G. (2003). UUUUUNU oligonucleotide stimulation of vaccinia virus early gene transcription termination, *in trans*. *J. Biol. Chem.*, **278**(14): 11794-11801. (IF: 5.32)
8. Piacente, S. C., Christen, L. A., **Mohamed, M. R.** and Niles, E. G. (2003). Effect of selected mutations in the C-terminal region of the vaccinia virus nucleoside triphosphate phosphohydrolase I on binding to the H4L subunit of the viral RNA polymerase and early gene transcription termination, *in vitro*. *Virology*, **310**: 109-117. (IF: 3.04)
9. **Mohamed, M. R.** and Niles, E. G. (2003). UUUUUNU stimulation of vaccinia virus early gene transcription termination: Oligonucleotide sequence and structural requirements for stimulation of premature termination *in vitro*. *J. Biol. Chem.*, **278**(41): 39534-39541. (IF: 5.32)
10. **Mohamed, M. R.** and Niles, E. G. (2004). Transient and inducible expression of vaccinia/T7 recombinant viruses. *Methods Mol Biol.*; **269**: 41-50. (IF: 9.5)
11. **Mohamed, M. R.** and Niles, E. G. (2004). UUUUUNU oligonucleotide inhibition of RNA synthesis in vaccinia virus cores. *Virology*, **324**(2): 493-500. (IF: 3.04)
12. **Mohamed, M. R.** and Niles, E. G. (2005). Construction and characterization of a recombinant vaccinia virus expressing a histidine-tagged nucleoside triphosphate phosphohydrolase I under

- the control of the T7 RNA polymerase promoter. *The Arab Journal of Laboratory Medicine*, **31**(3): 477-496.
13. **Mohamed, M. R.**, Piacente, S. C., Dickerman, B. and Niles, E. G. (2006). Effect of UTP sugar and base modifications on vaccinia virus early gene transcription. *Virology*, **349**(2): 359-370. (IF: 3.04)
 14. Tadros, M. G., **Mohamed, M. R.**, Youssef, A. M., Sabry, G. M., Sabry, N. A. and Khalifa, A. E. (2007). Effect of St. John's wort extract on prepulse inhibition of acoustic startle response in rats: a possible role of monoaminergic transmitters. *Zagazig University Medical Journal*, **13**(4): 2738-2745.
 15. **Mohamed, M. R.**, Shalaby, K. A., Loverde, P. T., Abd Allah, N. M. and Karim, A. M. (2008). Cloning and characterization of a cDNA fragment encoding a Schistosoma mansoni actin-binding protein (Smfilamin). *Parasitol Res.* **102**(5):1035-1042. (IF: 1.72)
 16. **Mohamed, M. R.**, Ghanem, H. M. and Helmy, A. S. (2008). Assessment of the Polymorphic *SacII* and *DdeI* Sites in the 5' Flanking Region of the Human Cystatin C Gene in Egyptian Patients with Different Prognosis. *Egyptian Journal of Biochemistry and Molecular Biology* **26**(2): 29-48.
 17. Piacente, S., Christen, L., Dickerman, B., **Mohamed, M. R.** and Niles, E. G. (2008). Determinants of Vaccinia Virus Early Gene Transcription Termination. *Virology*, **376**(1): 211-224. (IF: 3.04)
 18. Christen, L. A., Piacente, S., **Mohamed, M. R.** and Niles, E. G. (2008). Vaccinia Virus Early Gene Transcription Termination Factors VTF and Rap94 Interact with the U9 Termination Motif in the Nascent RNA in a Transcription Ternary Complex. *Virology*, **376**(1): 225-235. (IF: 3.04)
 19. Wang, F., Gao, X., Barrett, J. W., Shao, Q., Bartee, E., **Mohamed, M. R.**, Rahman, M., Werden, S., Irvine, T., Cao, J., Dekaban, G. A. and McFadden, G. (2008). RIG-I mediates the co-induction of tumor necrosis factor and type I interferon elicited by myxoma virus in primary human macrophages. *PLoS Pathogens*, **4**(7): 1-13. e1000099. (IF: 8.98)
 20. Bartee, E.*, **Mohamed, M. R.*** and McFadden, G. (2008). Tumor Necrosis Factor and Interferon: Cytokines in Harmony. *Current Opinion in Microbiology*, **11**(4): 378-383.* Both authors contributed equally to this work. (IF: 7.87)
 21. Bartee, E., **Mohamed, M. R.**, Lopez, M. C., Baker, H. V. and McFadden, G. (2009). The addition of tumor necrosis factor plus beta interferon induces a novel synergistic antiviral state against poxviruses in primary human fibroblasts. *J Virol* **83**(2): 498-511. (IF: 5.19)
 22. Tadros, M. G., **Mohamed, M. R.**, Youssef, A. M., Sabry, G. M., Sabry, N. A. and Khalifa, A. E. (2009). Proapoptotic and prepulse inhibition (PPI) disrupting effects of *Hypericum perforatum* in rats. *J Ethnopharmacol* **122**(3): 561-566. (IF: 2.47)
 23. Tadros, M. G., **Mohamed, M. R.**, Youssef, A. M., Sabry, G. M., Sabry, N. A. and Khalifa, A. E. (2009). Involvement of serotonergic 5-HT1A/2A, alpha-adrenergic and dopaminergic D1 receptors in St. John's wort-induced prepulse inhibition deficit: a possible role of hyperforin. *Behav Brain Res* **199**(2): 334-339. (IF: 3.4)
 24. **Mohamed, M. R.**, Rahman, M. M., Lanchbury, J. S., Shattuck, D., Neff, C., Dufford, M., van Buuren, N., Fagan, K., Barry, M., Smith, S., Damon, I., and McFadden, G. (2009). Proteomic screening of variola virus reveals a unique NF- κ B inhibitor that is highly conserved among pathogenic orthopoxviruses. *Proc Natl Acad Sci U S A.*, **106**(22): 9045-9050. (IF: 9.77)
 25. **Mohamed, M. R.**, Rahman, M. M., Rice, A., Moyer, R. W., Werden, S. J. and McFadden, G. (2009). Cowpox virus expresses a novel ankyrin repeat NF- κ B inhibitor that controls inflammatory cell influx into virus-infected tissues and is critical for virus pathogenesis. *J. Virol.*, **83**(18): 9223-9236. (IF: 5.19)
 26. McFadden, G., **Mohamed, M. R.**, Rahman, M. M. and Bartee, E. (2009). Cytokine determinants of viral tropism. *Nat Rev Immunol*, **9**(9): 645-655. (IF: 35.2)

27. **Mohamed, M. R.** and McFadden, G. (2009). NFκB inhibitors: Strategies from poxviruses. *Cell Cycle*, **8**(19): 3125-3132. (IF: 5)
28. Rahman, M. M., **Mohamed, M. R.**, Kim, M., Smallwood, S., and McFadden, G. (2009). Co-regulation of NF-κB and inflammasome-mediated inflammatory responses by Myxoma virus pynin domain-containing protein M013. *PLoS Pathogens*, **5**(10): 1-14. e1000635. (IF: 9.08)
29. Badawi, A. M., Zakhary, N. I., Morsy, S. M. I., Sabry, G. M., **Mohamed, M. R.**, and Mousa, A. M. (2009). Copper (II)-Surfactant Complex and Its Nano Analog as Potential Antitumor Agents. *Journal of Dispersion Science and Technology* **30**(9):1303-1309. DOI: 10.1080/01932690902735439. (IF: 0.6)
30. Van Vliet, K.*, **Mohamed M. R.***, Zhang, L.*, Villa, N. Y., Werden, S. J., Liu, J. and McFadden, G. (2009). Poxvirus proteomics and virus-host protein interactions. *Microbiol Mol Biol Rev (MMBR)*, **73**(4): 730-749. *These authors contributed equally to this work. (IF: 12.2)
31. Villa, N. Y., Bartee, E., **Mohamed, M.R.**, Rahman, M. M., Barrett, J. W. and McFadden, G. (2010). Myxoma and vaccinia viruses exploit different mechanisms to enter and infect human cancer cells. *Virology*, **401**: 266-279. (IF: 3.3)
32. El-Missiry, A. G., Shaban, E. A., **Mohamed, M.R.**, Ahmed, A. A., Abdallah, N. M. and Moustafa, M. I. (2010). Influence of ionizing radiation on *Echis pyramidium* snake venom: Biochemical and immunological aspects. *The Egyptian Journal of Hospital Medicine*, **40**: 314-334.
33. Mahdy, H. M., Tadros, M. G., **Mohamed, M. R.**, Karim, A. M. and Khalifa, A. E. (2011). The effect of *Ginkgo biloba* extract on 3-nitropropionic acid-induced neurotoxicity in rats. *Neurochemistry International*, **59**(6): 770-778. (IF: 3.6)
34. Maharem, T. M., Sabry, G. M., **Mohamed, M. R.** and Emam M. A. (2011). Purification and characterization of camel liver L-asparaginase. *Egyptian Journal of Biochemistry and Molecular Biology*, **29**(2): 217-236.
35. Maharem, T. M., Sabry, G. M., **Mohamed, M. R.** and Emam M. A. (2011). Expression of recombinant *Escherichia coli* L-asparaginase II, purification and characterization. *Egyptian Journal of Biochemistry and Molecular Biology*, **29**(2): 237-256.
36. Zemp, F. J., Lun, X., McKenzie, B. A., Zhou, H., Maxwell, L., Sun, B., Kelly, J. J., Stechishin, O., Luchman, A., Weiss, S., Cairncross, J. G., Hamilton, M. G., Rabinovich, B. A., Rahman, M. M., **Mohamed, M. R.**, Smallwood, S., Senger, D. L., Bell, J., McFadden, G. and Forsyth, P. A. (2013). Treating brain tumor-initiating cells using a combination of myxoma virus and rapamycin. *Neuro Oncol.* **15**(7): 904-920. (IF: 6.18)
37. Elnahass, Y. H., Mahmoud, H. K., Ali, F.T., **Mohamed, M. R.**, Said, M. M., Samra, M. A., Ali, M. A., Salem, A. and ElMetnawy, W. H. (2013). Abl Kinase Domain Mutations in Imatinib-treated Egyptian Patients with Chronic Myeloid Leukemia. *J. Leuk.* **1**(1): 106. doi:10.4172/2329-6917.1000106. (IF: ----)
38. Mogadem, A. I., Hassan, N. S., Emam, M. A. and **Mohamed, M. R.** (2013). Antioxidant and hepatoprotective activities of two coumarin derivatives against carbon tetrachloride-induced oxidative stress and liver damage in rats. *African J. Biol. Sci.* **9**(1): 65-79.
39. Abdallah, N. M., Amien, N. E., **Mohamed, M. R.**, Nada, A. S. and Mohamed, M. A. (2013). The protective value of hesperidin in mitigating the biochemical perturbations and trace element alterations induced by acrylonitrile in rats. *The Egyptian Journal of Hospital Medicine* **52**: 597–605.
40. Abdallah, N. M., Amien, N. E., **Mohamed, M. R.**, Nada, A. S. and Mohamed, M. A. (2013). The potential efficacy of hesperidin (a citrus bioflavonoid) in modulating gamma radiation-induced biochemical alterations in male rats. *J. Nucl. Tech. Appl. Sci* **1**(2): 235-246.
41. Mahdy, H. M., **Mohamed, M. R.**, Emam M. A., Karim, A. M., Abdel-Naim, A. B. and Khalifa, A. E. (2014). Puerarin ameliorates 3-nitropropionic acid-induced neurotoxicity in rats: possible

- neuromodulation and antioxidant mechanisms. *Neurochem Res*, **39**(2):321-332. DOI 10.1007/s11064-013-1225-7. (IF: 2.125)
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43. Khattab, H. I., Emam, M. A., Emam, M. M., Helal, N. M. and **Mohamed, M. R.** (2014). Effect of selenium and silicon on transcription factors NAC5 and DREB2A involved in drought-responsive gene expression in rice. *Biologia Plantarum*, **58**(2):265-273. DOI: 10.1007/s10535-014-0391-z. (IF: 1.692)
44. Haroun, R. A., Zakhary, N. I., **Mohamed, M. R.**, Abdelrahman, A. M., Kandil, E. I. and Shalaby, K. A. (2014). Assessment of the prognostic value of methylation status and expression levels of FHIT, GSTP1 and p16 in non-small cell lung cancer in Egyptian patients. *Asian Pac J Cancer Prev.*, **15**(10):4281-4287. (IF: 1.271)
45. **Mohamed, M. R.**, Emam M. A., Hassan, N. S., and Mogadem, A. I. (2014). Umbelliferone and daphnetin ameliorate carbon tetrachloride-induced hepatotoxicity in rats via nuclear factor erythroid 2-related factor 2-mediated heme oxygenase-1 expression. *Environmental Toxicology and Pharmacology*, **38**(2):531-541. (IF: 1.862)
46. Salem, A. M., Ahmed, H. H., Shahat, A. A., **Mohamed, M. R.**, Farrag, A. H. and Mohamed, S. H. (2014). Distinct Mechanisms Underlying the Therapeutic Potential of *Foeniculum vulgare* in Nonalcoholic Fatty Liver Disease: Experimental Study. *Int. J. Pharm. Sci. Rev. Res.*, **28**(2):150-161. (IF: 0.65).
47. Ahmed, H. H., Salem, A. M., **Mohamed, M. R.**, Shahat, A. A., Khalil W. KB. and Mohamed, S. H. (2015). Experimental evidences for the promising therapeutic role of *Vitis vinifera* seed extract against nonalcoholic steatohepatitis. *Int J Pharm Pharmaceut Sci.*, **7**(2):----- . (IF: 0.91)

Books

Mohamed Ragaa Mohamed and Edward G. Niles (2004). Transient and Inducible Expression of Vaccinia/T7 Recombinant Viruses. Chapter: 04: From: Methods in Molecular Biology, vol. 269: Vaccina Virus and Poxvirology: Methods and Protocols. Edited by: S. N. Isaacs © Humana Press Inc., Totowa, NJ

GeneBank submissions

- **Schistosoma mansoni actin-binding/filamin-like protein mRNA, partial cds,**
GenBank accession: AY463158.1
Submitted: 12-NOV-2003
Source: 1 - 2975
Organism: *Schistosoma mansoni*
Molecule type: mRNA

Awards

- Ain Shams University Award for Outstanding Students. Awarded for students with excellent academic record and performance during their undergraduate studies. Ain Shams University, Cairo, Egypt (1987-1990).
- Recipient of a full Ph.D. scholarship from the School of Medicine and Biomedical Sciences, State University of New York at Buffalo, Buffalo, NY, 14214, USA (Aug, 1997 - Jun, 2001).

- The Biochemistry Dissertation Research Recognition Award for national and/or international recognition of dissertation research, Department of Biochemistry, State University of New York at Buffalo, Buffalo, NY, 14214, USA (May 18, 2001).
- The Dean's Award for Outstanding Dissertation Research, School of Medicine and Biomedical Sciences, State University of New York at Buffalo, Buffalo, NY, 14214, USA (May 18, 2001).
- Postdoctoral fellowship, Department of Microbiology, School of Medicine and Biomedical Sciences, State University of New York at Buffalo, Buffalo, NY, 14214, USA (Jun, 2002 - Jun 2004).
- The Promising Inventor Award in recognition of his first invention disclosure at the State University of New York, The Research Foundation, The State University of New York, State University Plaza, Albany, New York, 12246, USA (May 12, 2003).
- The Academy of Scientific Research and Technology Award (Dr. Imam Zaghlol's award) for outstanding and authentic scientific research in the virology field, 2004. The Academy of Scientific Research and Technology, Egypt (August, 2005).
- Ain Shams University Award for excellent research articles. Ain Shams University, Cairo, Egypt (March 26, 2008).
- Postdoctoral fellowship, Department of Molecular Genetics and Microbiology, School of Medicine, University of Florida, Gainesville, FL, 32610, USA (Sep, 2007 – Sep, 2009).
- Ain Shams University Awards for international publication of articles for the years 2009, 2010 and 2011, and pending for the year of 2014.