



Curriculum Vitae

Personal Details

Name: Amal Farahat Mohamed Allam

Date of Birth: 16-3-1961

Nationality: Egyptian.

Marital Status: Married

Position: Professor of Parasitology in Parasitology Department, Medical

Research Institute, Alexandria University.

Current job: Vice of community service and environmental affairs since 22-4-

2015 until now.

Contact

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Scientific Qualifications:

- 1. Doctorate of Public Health Sciences (Parasitology and Medical Entomology), High Institute of Public Health, Alexandria University, Egypt (1992).
- 2. Master of Public Health Sciences (Parasitology and Medical Entomology Major), High Institute of public Health, Alexandria University, Alexandria-Egypt (1988).
- 3. Bachelor of Zoology, Faculty of Science, Alexandria University, Alexandria-Egypt, **1983**

Personal Theses:

- **Doctorate** of Public Health Sciences "Medical Parasitology and Medical Entomology" **1992.** Thesis entitled: "Studies on the Lymnaea Fasciola (host-parasite) relationship in Abis area".
- Master of Public Health Sciences "Medical Parasitology 1988. Thesis entitled: "Study on trematode parasites in *Biomphalaria alexandrina* snails".

Affiliation

- Professor of Parasitology in Parasitology Department , Medical Research Institute, Alexandria University.
- Reviewer in the **Standing Scientific Committee** of parasitolgy for **promotion** of staff members (2014).
 - عضو في اللجنة االعلمية الدائمة للطفيليات لترقية أعضاء هيئة التدريس على مستوى الجمهورية (٢٠١٤)
- **Reviewer in international ranking journals** (see scientific activity).
- Member of the Egyptian Parasitology United (EPU).
- Registered in Wiley Blackwell Author Services.
- Participant in the book project. **INTECH open access** publisher.
- Approved in **b** e i RESOURCES supporting Infectious Disease Research.

Previous and Current Posts:

- Demonstrator of Parasitology ,Department of Parasitology, Medical Research Institute, Alexandria University (1983-1988).
- Assistant Lecturer of Parasitology, Department of Parasitology, Medical Research Institute, University of Alexandria (1988-1992).
- Lecturer of Parasitology, Department of Parasitology, Medical Research Institute, University of Alexandria (1992- 1997).
- Assistant Professor of Parasitology Department of Parasitology, Medical Research Institute. Alexandria University(1998-2003).
- **Professor** of Parasitology in Parasitology Department, Medical Research Institute, Alexandria University since 29-04-2003.
- **Current job:** Vice of community service and environmental affairs since 22-4-2015 up to the present time.

Publications:

- 1. **Amal F. Allama, ,** Hoda F. Faraga, Adel Zakib, Ola A. Kaderc, Rashad Abdul-Ghanid and Amel Y. Shehaba. Detection of low-intensity *Schistosoma mansoni* infection by Percoll sedimentation and real-time PCR techniques in a low-endemicity Egyptian setting (2015) .**Tropical Medicine and International Health.** 20 (5): 658–664.
- 2- Rashad Abdul-Ghania,b,*, Hoda F. Faraga, **Amal F. Allama**, Sherine M. Shawky (2014). Prevailing Plasmodium falciparum dihydrofolate reductase 108-asparagine in Hodeidah, Yemen: A questionable sulfadoxine—pyrimethamine partner within the artemisinin-based combination therapy. **Acta Tropica** 132: 39–44

- 3. Rashad Abdul-Ghani, Hoda F. Farag, **Amal F. Allam** & Ahmed A. Azazy (2014). Measuring resistant-genotype transmission of malaria parasites: challenges and prospects. **Parasitol Res**. DOI 10.1007/s00436: 3789-9
- 4. Abdul-Ghani R, Farag H F., **Allam A F.**, Shawky SM., Al-Mekhlafi A M. (2013). Mutant Plasmodium falciparum chloroquine resistance transporter in Hodeidah, Yemen: Association with parasitologic indices and treatment-seeking behaviors. **Acta Tropica** 128 : 473–478.
- 5. Abdul-Ghani R, Farag HF, **Allam AF** (2013). Sulfadoxine-Pyrimethamine resistance in *Plasmodium falciparum*: A zoomed image at the molecular level within a geographic context. **Acta Tropica** 125:163–190.
- 6.**Allam AF**(2012). Diagnosis of schistomiasis in low endemic areas. **Chapter I, 1-9.** Infectious Diseases » "Schistosomiasis", **InTech Book** edited by Mohammad Bagher Rokni, www.intechopen.com.
- **7. Allam AF**, Abd- El-kader O, Zaki A, shehab Ay, Farag (2009). Assessment of the marginal error in diagnosis of and cure from *Schistosoma mansoni* in low endemic areas using more sensitive techniques. Tropical Medicine and International Health. 14(3): 316-321.
 - **8.** Shousha AS .Hend El-Taweel,Amel and **Allam AF**. (2005).Enterleukin 8,P-Selection and nutritional status in asymptomatic Cryptosporidium infection among school children. Journal of Medical research Institute(MRI).26(5):221-226.
 - Sahar A. Abou Hlow, Amal M.chanem, Safeya M.Saleh, Amal F.Allam (2004). Role of Hymenolepis nana infection in anemia among school children. Journal of Medical Research Institute. 25(4):126-135.

- **10. Allam AF**. Control of snail intermediate host of schistosomiasis using different molluscicides. **WHO** 2003; 86-87. Operational research in tropical diseases. Final report summaries 1992-2000.
- **11. Allam AF**, El-Agamy SI, Helmy MH. Molecular and immunological characterization of Fasciola species. **British Journal of Biomedical Science**. 2002; 59(4): 191-195.
- **12. Allam AF**, and Shehab AY. Efficacy of Azithromycin, praziquantell and Mirazid in the treatment of Cryptosporidium parvum in school children. J Egypt Soc Parasitol. 2002; 32(3): 969-973.
- **13. Allam AF,** Abou Shousha S and Abou Shamaa L. Antibody Profile, interferon-γ and nutritional status in cryptosporidial infection among school children. J Egypt Soc Parasitol. 2002; 32(3): 755-766.
- **14.** Shehab AY, **Allam AF** and El-Sayad MH. Serum IgM. Does it relate to the level of chronicity in fascioliasis. J Egypt Soc Parasitol. 2002; 32(3): 373-380.
- **15. Allam AF**, Attia MM. Effect of acute and chronic Toxoplasma gondii on the endocrine foetal placental function in pregnant women. J Med Res Inst. 2002; 23(3): 154-160.
- **16. Allam AF**, El-Sayad MH and Khalil SS. Laboratory assessment of the molluscicidal activity of Commiphora molmol (Myrrh) on Biomphalaria Alexandrina, Bulinus truncatus and lymnaea cailliaudi. J Egypt Soc Parasitol. 2001; 31(3): 683-690.
- **17.** Mady NI, **Allam AF**, and Salem AL. Evaluation of treatment of the addition of Nigella Sativa oil to triclabendazole therapy in the treatment of human fascioliasis. J Egypt Soc Pharmacol Exp Ther. 2001; 20(2): 806-827.

- **18. Allam AF**, Osman MM, El-Sayed MH and Demian SR. IL-1, IL-4 production and IgE levels in acute and chronic fasciolosis before and after triclabendazole treatment. J Egypt Soc Parasitol, 2000; 30(3): 781-790.
- **19.**El-Sayad MH, **Allam AF**, and Shehab AY. The circumoval precipitin reaction in Fasciola. Detection of shell pores by scanning electron microscopy. J Egypt Soc Parasitol 2000; 30(3): 655-660.
- **20.Allam AF**. Evaluation of different means of control of snail intermediate host of Schistosoma mansoni. J Egypt Soc Parasitol 2000; 30(2): 441-450.
- **21.**Khalil SS, Abou Shousha S, **Allam AF**, Rashwan I. Production of proinflammatory cytokines (GM. CSF, IL-8 and IL-6) by monocytes from fasciolosis patients. J Egypt Soc Parasitol 1999; 29(3): 1007-1015.
- **22.Allam AF**, El-Sayad MH, Shehata MI and Abd El-Rehim WM. Effect of triclabendazole treatment on lipid peroxides and erythrocyte glutathione reductase in acute and chronic human fascioliasis. J Med Res Inst 1998; 19(1): 42-51.
- **23.**El-Sayad MH, and **Allam AF**. Effect of triclabendazole on the tegument of Schistosoma mansoni: A scanning electron microscopic study. J Egypt Soc Parasitol 1997; 27(1): 143-152.
- **24.**El-Sayad MH, **Allam AF**, and Osman MM. Prevention of human fascioliasis. A study on the role of acids, detergents and potassium permanganate in clearing salads from metacercariae. J Egypt Soc Parasitol 1997; 26(1): 163-169.
- **25.**Gabbour SN, **Allam AF** and Sultan MM. The pulmonary performance and airway reactivity in acute and chronic fascioliasis before and after triclabendazole treatment. J Egypt Soc Parasitol 1997; 27(1): 113-129.

- **26.**Abou Basha LM., Osman MM, **Allam AF**., and Fadali G. The schistosomicidal effect of mebendazole. II. A histopathological study. Egypt J Med Sci 1995; 16(1): 57-67.
- **27.**Nasra MK, **Allam AF**, El-Kholy SM and El-Sayad MH. Serum Iron, Copper and Zinc in acute and chronic fascioliasis. Egypt J Med Sci 1994; 15: 677-687.
- **28.**Abou Basha LM, El-Sayed MH, **Allam AF**, Osman MM. The effect of Ambrosia maritima (Damsissa) on the viability of Lymnaea cailliaudi; An experimental study. J Egypt Soc Parasitol 1994; 24(3): 513-517.
- **29.**El-Sayed MH, **Allam AF** and Khalil SS. Effect of temperature on the development and viability of the larval stages of Fasciola gigantica. Egypt J Med Sci 1994: 15(1): 203-210.
- **30.**Salem AI, Osman MM, El-daly S and **Allam AF**. Studies on Lymnaea snails and their trematode parasites in Abis II Village, Alexandria. J Egypt Soc Parasitol 1993; 23(2): 477-483.
- **31.**Farag HF, Salem AI, Khalil SS and **Allam AF.** Studies on human fascioliasis in Egypt. 1-Seasonality of transmission. J Egypt Soc Parasitol 1993; 23(2): 331-339.
- **32.Allam AF**, Abou-Basha, LM, Salem A, Loutfy NF and Bassiouny HK. Prevalence of the larval trematodes in Biomphalaria alexandrina in the vicinity of Alexandria. J Med Res Inst 1989;10 (3): 51-62.
- **33.**Abou Basha LM, Salem A, **Allam AF**, Loutfy NF and Bassiouny HK. Study on the morphology and identification of the various trematode infections in Biomphalaria alexandrina in the vicinity of Alexandria. J Med Res Inst 1989; 10 (2).

Experiences:

- 1. Writing and execution of Research Projects.
- 2. Good experience in international publishing and reviewing.
- 3. Expertise in sensitive diagnostic techniques for diagnosis of early and low infection intensity.
- 4. Undertaking field work in rural areas.
- 5. Application of Molecular techniques in Parasitology.
- 6. Experimental breeding and infection of laboratory animals.
- 7. Malacology: Snail survey, control, breeding, and snail infection in the lab.
- 8. Able to establish the life cycle of some parasites in the lab.

Scientific Activities:

I. Supervision of Thesis

A. Master Theses

1. Emerging Intestinal Protozoa among Rural Primary School Children infected with *Schistosoma mansoni*. Parasitology and Medical Entomology. High Institute of Public Health (2002).

2. Morphometric Studies on Hepatocyte mitochondria and ultra Structure of Rabbit Liver Infected with Fasciola gigantica. Bio-medical physics Department, Medical Research, Institute, Alexandria University 2003.

3. Study on Hepatic Glutathione and Related Enzymes in *Schistosoma masoni* infected mice. Biochemistry Department. Medical Research, Institute, Alexandria University (2004).

4. Effect of *Cryptosporidium parvum* Infection on The Nutritional Status Among School Children . Applied Chemistry Department. Medical Research, Institute, Alexandria University (2004).

5. Effect of Artimisinin Therapy on Experimental Trichinella Infection . Parasitology Department, Medical Research Institute, Alexandria University (2011).

6. Comparison and Evaluation of Different Techniques in Diagnosis of Soil Transmitted Helminth Infections Among School Children. Parasitology Department, Medical Research Institute, Alexandria University 2011.

7. A Comparative Study on FLOTAC, Formalin Ether Concentration and Kato - Katz Techniques for Copromicroscopic Diagnosis of Human Intestinal Parasites. Parasitology Department, Medical Research Institute, Alexandria University (2013).

8. Assessment of *Schistosomiasis mansoni* Status in an Endemic Area After Control. Parasitology Department, Medical Research Institute, Alexandria University (2013).

9. Evaluation of Circulating Cathodic Antigen Cassette And Real Time PCR For The Detection Of *Schistosoma mansoni*. Parasitology Department, Medical Research Institute, Alexandria University (2014).

10. Fecal calprotectin level and fecal occult blood test as morbidity markers of *Schistosoma mansoni* infection before and after treatment. Parasitology Department, Medical Research Institute-Alexandria University (2014- till the present time)

"مستوى الكالبروتيكتين والدم الخفي في براز مرضي البلهارسيا كدلالات مرضية للاصابة بالبلهارسيا قبل وبعد العلاج"

11. "Evaluation of Formalin Ethyl Acetate, Percoll Sedimentation techniques and Capture ELISA for Detection of Cryptosporidium in Fecal Samples of preschool and school children". A protocol of Master Thesis submitted to the Parasitology Department, Medical Research Institute-Alexandria University (2014- till the present time)

B. PhD Theses:

1. Histochemical and ultrahistochemical studies on the effect of Triclabendazole in vitro on the mature and immature liver flukes. Medical Research Institute, Alexandria University 2000.

2. A study on antimalarial drug resistance- associated mutations in Hodeidah Governorate- Republic of <u>Yemen</u>. Medical Research Institute, Alexandria University 2013.

C. **Examiner** for many Masters and PhDs Theses.

II Teaching Activities:

A. At the Medical Research Institute:

Teaching the following courses to post graduate students(Diploma, Master and PhD):

- 1. Basic parasitology, zoonoses, in vitro cultivation of parasites.
- 2. Different methods for diagnosis of parasitic infections.
- 3. Practical training on different diagnostic methods and molecular techniques,
- 4. Molecular Parasitology.
- 5. Field studies for epidemiologic study of parasites.
- 6. Lab breeding and infection of experimental animals.
- 7. Malacology (Fresh water snails of medical importance)
- 8. Quality control in parasitology.

B. Faculty of nursing:

- Teaching medical parasitology for under graduate students.
- -Teaching Advanced parasitology for Postgraduates students.

C. Alexandria University: Pathways To Higher Education Project:

Training of undergraduate students of Alexandria university on Research methods and writing research proposals. In the project of Pathways to Higher Education, under supervision of Prof. Sayed Kaseb, Faculty of Engineering, Cairo University. Sponsored by Ford Foundation and Alexandria University (2010-2012).

III. Research Projects:

A. Principal investigator of the following projects:

- 1. "Detection and quantification of low *Schistosoma mansoni* infection by real time PCR in apparent negative cases after control". proposal ID no SGS10/72. Sponsored by WHO. (2010-2012).
- **2.**"Assessment of the marginal error in diagnosis of and cure from *Schistosoma mansoni* in low endemic areas using more sensitive techniques" sponsored by WHO (2005-2007). TDR: SGS05/229 Reg. File T5/72/6 (WHO).
- **3.** "Evaluation of *Ambrosia maritima* in control of schistosomiasis: filed and experimental studies and comparison with other plant molluscicides" Sponsored by Ministry of Agriculture (2000-2002).
- **4.** "Control of snail intermediate host of schistosomiasis using different molluscicides" sponsored by WHO (1997-1998).

B. One of the working members of the following projects:

- **5.**Resistance of *Schistosoma mansoni* Egyptian strain to Praziqantell : Afield study. Supported and financed by the WHO (1998-1999).
- **6**. "Evaluation of an integrated approach of schistosomiasis control (Chemotherapy and snail control) in resettlement area west of Alexandria" Sponsored by WHO (1993-1994).
- 7. "Morbidity due to single and combined hepatosplenic schistosomiasis and fascioliasis in the vicinity of Alexandria". Sponsored by WHO (1993-1994).

- **8**. "Use of parasite species composition indices of fish to measure the degree of environment deterioration due to pollutants and other men-made adverse effect. Sponsored by European Community (1992-1996).
- **9**."Impact of schistosomiasis and fasciolaisis on anaemia and quality of life of school children in Abis area, Alexandria". Sponsored by Alexandria University (1997-1998).
- **10**. "Resistance of Schistosoma mansoni Egyptian strain to prtaziquantel: a field study" Sponsored by WHO (1997-1998).
- **11.** "Studies on the extending outbreak of human fascioliasis among Egyptians" sponsored by WHO (1991-1992).
- **12**." Environmental and Community studies on the evaluation of Damsissa for schistosomiasis control in Egypt ". Sponsored by IDRC (1988-199)

IV.A. Reviewer in the following International Ranking Journals:

- Acta tropica.
- Memoria Instituto Oswaldo Cruze.
- Tropical medicine and international Health.

IV.B. Examiner of PhD thesis from abroad.

Thesis Title: Epidemiology, Serodiagnosis And Therapy of Schistosomiasis in humans, Cows and Buffaloes. A Thesis Submitted to The University of The Punjab in Fulfillment of The Requirements For The Degree Of Philosophy In Zoology. Department Of Zoology. **University of The Punjab. Lahore. Pakistan.** 2009.

V. Award: - Win the prize of Alexandria University in 1999.

VI. Training Courses:

1. Training in Rome, Italy

- In the framework of the Italian-Egyptian Cooperation project, training in **La Sapienza University in Rome**; in the field of parasites of fish and electrophoresis of the gene enzyme system in the Institute of Marine Biology (1994).
 - Training in the CNR. (Institute of Cell Biology) on different Molecular techniques. Rome. (1994).

2. Training in Egypt.

- Attend a course entitled" Introduction to Molecular Biology Techniques".
 Held at the Medical Research Institute at the Medical technology Center. 26-29
 February, 2012.
- "Pathways to Higher Education, Egypt. Training of Trainees. Held At Leadership Development Centre for the academic staff members of Alexandria University.2010.Supervised by Prof. Sayed Kaseb. Faculty of engineering, Cairo University.
 - "Genotyping of parasites" march 2010, MIU, Al-Azhar University.
 - Liver diseases at crossroads of civilizations, September 2009, Bibliotheca Alexandrina.
 - Recent and advances in lab. Diagnosis. May 2008. Medical Syndicate.
 - Principles and techniques of sample preparation using electron microscope, August 1997. MRI Alex,. University.
 - Training program on Health Care Quality Management .January -2006. High Institute of Public Health, Alexandria University.

- Basic skills for electronic education and developing electronic courses", held at the High Institute of Public Health, Alexandria University, during the period January 21- September 2, 2006.
- -"Health Care Quality Management Training Program", held at the High Institute of Public Health, Alexandria University, during the period January 29- June 26, 2006.
- Computer experience: Windows internet- office programs Hardware software (ICDL) from ICTP 2008.
- Attending a short intensive course on basic microbiological and molecular biological techniques used in recombinant DNA technology.
 The course was organized in the framework of the Italian-Egyptian Cooperation project at the MRI.
- Faculty and Leadership Development Courses for the academic staff
 members of Alexandria University (Thinking Skills; New trends in
 Teaching; Effective Presentation Skills; Code of Ethics; Effective
 Communication Skills; Problem Solving and Decision Making; Research
 Ethics; International Publishing of Scientific Research; Legal and
 Financial Aspects in University Environment; Quality Standards in the
 Education Process; Conference Organization; and The Credit Hour
 System) during the period 2005 2011.
- Course for Preparation of University Educationists" held at Faculty of Education, Alexandria University, in April 1988.
- Workshop on Epidemiology, Diagnosis and Management of Fascioliasis, held at the Medical Research Institute, on October 27, 1997.

- Workshop on Epidemiology, Diagnosis and Management of Schistosomiasis, held at the Medical Research Institute, on December 15, 1997.
- An introductory course in molecular biology,in the frame of Italian –
 Egyptian cooperation Project CMT.1996

VII. Conferences:

- Egyptian Parasitology United (**EUP**) IV Conference. Parasitology: Challenges and Innovative Approaches. National Training Center, Cairo-Egypt, November, 15-16;2014.
- The 18th Annual Conference 6th International Conference of Medical Research Institute, held at Tulip Hotel, Alexandria, September, 23-26;2014.
- The 17th conference 5th international of Medical Research Institute, held at Hilton Alexandria Green Plaza during the period November 13-16, 2012.
- "Fermentas Molecular Biology" A seminar held in Faculty of Medicine,
 Alexandria University, July 21, 2010.
- Advances in Medical Research, Quality in Medical Education and Practice" the 16th Conference (4th International) of the Medical Research Institute, held at Sheraton-Montazah Hotel, Alexandria, during the period October 19-22, 2010.
- "Advances in Medical Research, from Molecular Medicine to Clinical Application" 15th Conference (3rd International) of the Medical Research Institute, held at Sheraton-Montazah Hotel, Alexandria, during the period October 20-23, 2009.

- "The 6th Symposium on Liver Diseases at Crossroads of Civilization", held at Bibliotheca Alexandrina Conference Hall, Alexandria, during the period September 24-25, 2009.
- "Advances in Medical Research, Oncology" the 14th Conference (2nd International) of the Medical Research Institute, held at Sheraton-Montazah Hotel, Alexandria, during the period October 29-31, 2008.
- "New Life Sciences: From Promises to Practice" BioVisionAlexandria 2008, held at Bibliotheca Alexandrina Conference Hall, Alexandria, during the period April 12-16, 2008.
- "Liver diseases at crossroads of civilization: East meets West, viral hepatitis from A to E", held at Bibliotheca Alexandrina Conference Hall, Alexandria, during the period January 23-24, 2008.
- "Liver diseases at crossroads of civilization: East meets West", held at Sheraton-Montazah Hotel, Alexandria, during the period September 5-6, 2007.
- "Advances in Medical Research, Liver Diseases" the 13th Conference of the Medical Research Institute, held at Sheraton-Montazah Hotel, Alexandria, during the period November 21-23, 2007.
- Advances in Medical Research" the 12th Conference of the Medical Research Institute, held at Sheraton-Montazah Hotel, Alexandria, during the period November 22-24, 2006.
- Evidence-Based Medicine" the 11th Conference of the Medical Research Institute, held at Sheraton-Montazah Hotel, Alexandria, during the period November 23-25, 2005 (Also, member of the organizing committee).
- Advances in Medical Research" the 12th Conference of the Medical Research Institute, held at Sheraton-Montazah Hotel, Alexandria, during the period November 22-24, 2006.

- Recent Diagnostic and Therapeutic Approaches" the 10th Conference of the Medical Research Institute, held at Sheraton-Montazah Hotel, Alexandria, during the period October 8-10, 2003.
- The 6th Annual Congress of the Egyptian Society of Hepatology, Gastroenterology & Infectious diseases, held at Sheraton-Montazah Hotel, Alexandria, during the period March 28-29, 2002.
- The 7th International Annual Congress of the Egyptian Society of Tropical Medicine, Infectious and Parasitic Diseases, held at Palestine Hotel, Alexandria, during the period June 26-28, 2002.
- "Ethical & Social Responsibilities in Science & Technology" An International Conference Organized by the Bibliotheca Alexandrina and MURS-International, held at Bibliotheca Alexandrina Conference Hall, Alexandria, during the period October 19-21, 2002.
- The First Middle East Conference on Recent Advances in the Management of Cancer, held at the Medical Research Institute, during the period October 20-22, 1999.

The 5th International Annual Congress of the Egyptian Society of Tropical Medicine, Infectious and Parasitic Diseases, held at Palestine Hotel, Alexandria, during the period June 10-12, 1998