



Curriculum Vitae

Personal Details

Name: ***Mervat Mostafa Osman***

Date of Birth: 20-10-1955

Nationality: Egyptian

Marital Status: Married

Current Job: Professor and Head of Parasitology Department. Medical Research Institute. Alexandria University.

Contact

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Affiliation

- Professor and Head of Parasitology Department, Medical Research Institute, Alexandria University. (For two rounds 2002-2006 & 2012 till the present time).
- Member in :
 - Egyptian Parasitology United (EPU).

- Journal of Medical Research Institute.
- Journal of Egyptian Society of parasitology.
- The Egyptian Journal of Medical Science.
- Journal of Alexandria Faculty of Medicine.
- American Association for the Advancement of Science.
- Egyptian Association of Immunologists (EAI)
- Alexandria Medical Association.

Scientific Qualifications

- **MBBCh. Faculty of Medicine.** Alexandria University, November 1979.
- **Master of Parasitology.** Parasitology Department. **Faculty of Medicine.** Alexandria University, 1986.
- **Philosophon Doctor of Parasitology.** Parasitology Department. **Faculty of Medicine.** Alexandria University, 1991.

Personal Thesis:

- **Master of Parasitology** 1985 , Parasitology Department , Faculty of Medicine, Alexandria University .
Thesis entitled: “Studies on human Fascioliasis in Egyptians.”
- **Philosophon Doctor of Parasitology** 1991. Parasitology Department. Faculty of Medicine . Alexandria University.
Thesis entitled: “Evaluation of Fasciola antigenic fractions in the diagnosis of human fascioliasis.”

Academic Posts:

- **Assistant lecturer of Parasitology** in Parasitology Department. Medical Research Institute. Alexandria University. Egypt. (**February 1989- August 1991**)
- **Lecturer of Parasitology** in Parasitology Department. Medical Research Institute. Alexandria University. Egypt. (**August 1991- August 1996**).
- **Assistant Professor of Parasitology** in Parasitology Department Medical Research Institute. Alexandria University. (**August 1996- August 2001**).
- **Professor of Parasitology** in Parasitology Department. Medical Research Institute. Alexandria University. (**Aug. 2001-Oct 2002**)
- **Professor and Head of Parasitology Department.** Medical Research Institute. Alexandria University. (Oct. **2002 – Jan. 2006**).

- **Professor of Parasitology** in Parasitology Department. Medical Research Institute. Alexandria University. (Jan **2006** – **February 2012**).
- **Professor and Head of Parasitology Department**. Medical Research Institute. Alexandria University. (**February 2012 till the present time**)

Publications

A- International publications

- 1- H. F. Farag, M. H. El-Sayad & **M. M. Osman**. Metacercarial precipitin test for diagnosis of human fascioliasis. *Journal of Tropical Medicine and Hygiene* 1995, 98, (42 8-43 0).
- 2- **M. M. Osman**, A. Y. Shehab, S. A. El-Masry, M. H. Helmy, H. F. Farag. Evaluation of Fasciola excretory-secretory (ES) product in diagnosis of acute human fasciolosis by IgM EIISA. *Tropical Medicine and Parasitology*. Vol.46 No. 2, June 1995: 115-118.
- 3- Nabil Dawider, Mona El-Sayad, **M. M. Osman** & Aziza Salem. Endoscopic therapy of fascioliasis resistant to oral therapy. *Gastrointestinal Endoscopy* Vol. 50 (3), 1999: (345-35 1).
- 4- A. Y. Shehab, L. M. Abou Basha, H. N. El-Morshedy, M. Abdel_Fattah, **M. M. Osman** & H. F. Farag. Circulating antibodies and antigens correlate with egg count in human fascioliasis. *Tropical Medicine and International Health*. Vol. 4 (10) Oct. 1999: (691-694).
- 5- Abou Basha LM, Salem A, **M. M. Osman**, El-Hefini S& Zaki A. Hepatic fibrosis due to fasciolosis and/or schistosomiasis in Abis I village, Egypt. *Eastern Mediterranean Health Journal*. vol. 6 (5/6), 2000 : (870-8).
- 6- Abou Basha LM, A.Y. Shehab, **M. M. Osman**, & H. F. Farag. Specific IgG avidity in acute and chronic human fasciolosis. *Eastern Mediterranean Health Journal*. vol. 6(5/6), 2000: (9 19-925).
- 7- **MM Osman**, AY Shehab and HF Farag. Evaluation of two doses of triclabendazole in treatment of patients with schistosomiasis and fascioliasis *EMHJ*. 2011 ; 17 (4) : 266-270.
- 8- **MM Osman**, HA El-Taweel, AY Shehab and HF Farag. Ineffectiveness of Myrrh-derivatives Mirazid against schistosomiasis and fascioliasis in humans. *EMHJ* 2010; 16(9) : 932-936.

B- National publications

- 1) Rawia K. Fawzy, Aziza E. Salern & **Mervat M. Osman**. Ultrasonographic findings in the gall bladder in human fascioliasis. *J. Egypt. Soc. Parasitol*, Vol 22, No. 3, December, 1992.

- 2) **M. M. Osman**, A. Zaki, L. Abu Samra, H. F. Farag, M. Y. Michel. Evaluation of fasciola somatic antigenic fractions in the diagnosis of human fascioliasis. Journal of the Egyptian Society of Parasitology, Vol. 22 (1)April. 21-35, 1992.
- 3) S. S. Khalil, **M. M. Osman** & M. A. El-Sayad. Fasciola miracidial immobilization test in the diagnosis of human fascioliasis. The Egyptian Journal of Medical Science. Vol. 14 No. 2 Dec. 1993: 497-502.
- 4) Aziza Salem, **Mervat M. Osman**, Mona Kandil, Mona Abaza & Samia Elewa. Studies on human fascioliasis in Egypt 2. Serum iron and copper in chronic fascioliasis. J Egypt. Soc. Parasitol, Vol. 23, No. 2, August 1993.
- 5) Salem AI, **Osman MM**, El- daly S, and Allam AF. Studies on Lyrnnaea snails and their trematode parasites in Abis II Village, Alexandria. Journal of the Egyptian Science of Parasitology, Vol. 23(2), August 1993: 477-483.
- 6) **M. M. Osman** & E. Rashwan. Phenotypic expression of lymphocytes and interleukin-2 activity in toxoplasmosis. The Egyptian Journal of Medical Science. Vol. 15 No. I June 1994:11-17.
- 7) L.Abou Basha, **M. M. Osman** & S. S. Khalil. Schistosomicidal effect of mebendazole. 1. Histopathological and ultrastructural studies on S. mansoni worms. The Egyptian Journal of Medical Science. Vol. 15 No.1 June 1994: 183-189.
- 8) **M. M. Osman** & M. H. Helmy. Molecular weight determination of Fasciola Antigens specific for diagnosis of acute fascioliasis. Journal of the Egyptian Society of Parasitology. Vol. 24 No. 3, Dec. 1994: (47 1-478).
- 9) M. M. Rashad. **M. M. Osman** , B. Mena, A. Michael & M. N. D. Abcu El-Anin. Effect of an antibilliarzial drug, "Praziquantel", on the activities of serum adenosine deaminase, arysuphatase A and acid ribonuclease in patients infected with Schistosoma mansoni, Egypt., J. Med. Sci. 15(2) December, 1994: 5 95-602.
- 10) L. M. Abou Basha, M. H. El-Sayad, A. F. Allam & **M. M. Osman**. The effect of Ambrosia Maritima (Damsissa) on the viability of lymnaea cailliaudi; an experimental study. JEgypt. Soc. Parasitol., 24(3)1994:513-517.
- 11) L. M. Abou Basha, **M. M. Osman**, A. F. Allam & G. A. Fadaly. Schistosomicidal effect of mebendazole II. Histopathological and ultrastructural studies on the liver of *schistosoma mansoni* infected mice. Egypt. J Med. Sci. 16(1) June, 1995: 57-67.
- 12) **M. M. Osman**, E. Rashwan & H. F. Farag. Phagocytic activity of neutrophils in human fasciolosis before and after treatment. J. Egypt. Soc. Parasitol., 25(2) 1995: 32 1-327.
- 13) **M. M. Osman**. M. Helmy & M. A. Megehed. Studies of human fasciolosis in Egypt: Some serum lipid parameters before and after treatment J. Egypt. Soc. Parasitol. 25 (3)1995: 769-772.
- 14) H. F. Farag, **M. M. Osman** & S. S. Khalil. Evaluation of the kato thick smear technique for epidemiological surveys in areas with low *Schistosoma mansoni* endemicity. Bulletin of High Institute of Public Health. Vol 25 No.2(1995).
- 15) M. I. Youssif, S. S. Khalil. & **M. M. Osman**. Enzymatic activities in the neutrophils of acute human fascioliasis before and after treatment with

- triclabendazole. *Journal of the Medical Research Institute* Vol. 17 (2): 192-200, 1996.
- 16) M. H. El-Sayad, A. F. Allam & **M. M. Osman**. Prevention of human fascioliasis: a study on the role of acids detergents of potassium permanganate in clearing salads from metacercaria. *Journal of Egyptian society of Parasitology* vol. 27 (1), April. 1997; (163-169).
 - 17) A. Y. Shehab, **M. M. Osman**, H. N. El-Marshedy, S. F. El-Belbessy & E. A. Omer. Evaluation of different parameters as indices of cure in human fascioliasis. *The Egyptian Journal of Medical Science*. Vol. 19 No.2, Dec. 1998; (593-601).
 - 18) **M. M. Osman**, & S. Y. Abou El-Nazar. IL-10, IFN- γ and TNF- α in acute and chronic human fascioliasis. *Journal of Egyptian society of Parasitology* Vol. 29 (1): April 1999; 13-20.
 - 19) S. Y. Abou El-Nazar & **M. M. Osman**. Evaluation of Inflammation among fascioliasis and schistosomiasis patients by quantitative assessment of circulating adhesion molecules (ICAM-1 & b-selectin). *The Egyptian Journal of Immunology* Vol. 2 June 1999: (77-83).
 - 20) **M. M. Osman**, Y. Ismail & T. Y. Aref. Human fasciolosis: A study on the relation of infection intensity and treatment to hepatobiliary affection. *Journal of Egyptian society of Parasitology* Vol. 29(2), Aug. 1999: (353-363).
 - 21) S. A. S. Abou How, **M. M. Osman** S. Y. Abou ElNazar, K. M. Zaha, M. A. El-Shazly & G. A. Helal. Kupffer cell count and plasma fibronectin level in hepatic schistosomiasis with and without virus hepatitis. *Journal of the Medical Research Institute* vol. 2W (4) 1999; (100-170).
 - 22) T. Y. Aref & **M. M. Osman**. Anicteric cholestasis in human fascioliasis; What Ultrasonography Can Offer. *The Egypt Journal of Radiology & Nuc. Med.* Vol. 30 no. 2 Sep.1999:(409-414).
 - 23) Amal F. Allam. **M. M. Osman**, Mona H. El-Sayed, & Soheir R. Demian. IL-1, IL-4 Production and IgE levels in acute and chronic fasciolosis before and after triclabendazole treatment. *Journal of Egyptian Society of Parasitology* vol. 30 (3), Dec.2000: (781-790).
 - 24) Madiha H. Helmy, **M. M. Osman**, Saed Sedki, Hassan M. Fayed & Osman A. Abbas. Serum proteins and glycoproteins in acute fascioliasis before and after triclabendazole treatment. *Journal of the Medical Research Institute* vol. 23 (No. 3), 70-79, 2002.
 - 25) **M. M. Osman**, Update in hydatidosis. *Journal of the Medical Research Institute* 2005; Vol. 26 No. 4: 287-297.
 - 26) Ebied SA, Farag HF, Youssef AI, **Osman MM**, El-Samak MY and Hassnian NA. Ery throytes' Detoxifying and anti-oxidant capabilities in human fascioliasis : Effect of Egatea. *Bull. Egypt. Soc. Physiol. Sci.* 2006; 26 (2): 71-88.
 - 27) Abou Holw SA, El-Taweel HA, ELabol EA and **Osman MM**. The serum gastrin level in patients with Schistosomiasis and fascioliasis. *J. Egypt Soc. Parasitol.* 2007; 37 (1): 299-342.

Experience:

A- Scientific Experience :

- 1- Expertise in preparation of parasitic antigens.
- 2- Expertise in diagnosis of early and low parasitic infection or ectopic infection using sensitive diagnostic techniques.
- 3- Undertaking field work in rural areas.
- 4- Experience in diagnosis of newly emerging protozoa using special staining techniques.
- 5- Writing and execution of Research Projects.
- 6- Good experience in International publishing.

B- Administrative expertise:

- 1- Good decision –making skills.
- 2- Ability to manage difficult situations.
- 3- Ability to create a collegiate atmosphere and willingness to take account of diverse views, while accepting responsibility for decisions.
- 4- Commitment to nurturing talent, recognizing contributions and providing opportunities for professional development.
- 5- Experience of effectively line-managing individual members of staff and teams.
- 6- Experience in managing budgets and academic programmes (research and /or teaching)
- 7- Ability to delegating tasks to the appropriate person.
- 8- Strong interpersonal communication skills including negotiation & influencing.
- 9- Creating an inspiring vision of the future, motivate the team to engage with that vision and management delivery of the vision.

Scientific Activities:

I- Supervision of Thesis

A- Master Thesis :

1. Biochemical study on serum aryl sulfatase ‘A’ and its correlation with “IgE” in patients with fascioliasis before and after triclabendazole treatment. Applied Medical Chemistry Department. Medical Research Institute. Alexandria University .(1995)
2. Evaluation of a novel technique for isolation and preservation of intestinal microsporidia . Parasitology Department . Faculty of Medicine. Alexandria University. (2001)
3. Effect of Treatment with fasinex on metabolic enzymes regulating glutathione metabolism and phagocytic function in human fascioliasis. Applied Medical

Chemistry Department. Medical Research Institute. Alexandria University. (2005)

4. Comparison and evaluation of different techniques in diagnosis of soil transmitted helminth infections among school children Master of science in applied & molecular parasitology. Parasitology Department. Medical Research Institute. Alexandria University. (2013).
5. Evaluation of Circulating Cathodic Antigen Cassette and Real Time PCR for the detection of Schistosoma mansoni. Parasitology Department. Medical Research Institute. Alexandria University. (2014)
6. Efficiency of pooling stool samples for detection of Giardia lamblia antigen in human fecal samples. Parasitology Department. Medical Research Institute . Alexandria University. (2010 - till the present time) .
7. 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).

B- PhD Thesis:

1. Study of some kupffer cell immune functions and plasma fibronectin level in hepatic schistosomiasis with and without virus hepatitis. Tropical Medicine Department. Faculty of Medicine. Alexandria University.(2000).
2. Efficacy of triclabendazole : study of some detoxifying and antioxidant enzymes in human fascioliasis and / or schistosomiasis and in Fasciola gigantica worms exposed to triclabendazole metabolite. Applied Medical Chemistry Department. Medical Research Institute . Alexandria University.(2006)
3. Study of protozoa in sources of drinking water in Alexandria. Parasitology Department. Medical Research Institute. Alexandria University. (2013)

C- Examiner: For many Masters and PhD Thesis.

II- Teaching Activities:

A- In Medical Research Institute (Alexandria University) :

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

- 1- Basic and advanced medical parasitology
- 2- Different methods (coprological & serological) for diagnosis of parasitic infections .
- 3- Clinical parasitology

- 4- Treatment of parasitic infections
- 5- Immunology of parasitic infections
- 6- Epidemiology of parasitic diseases
- 7- Biomedical Research Ethics
- 8- Zoonosis
- 9- Prevention and Control of parasitic diseases

B- In Faculty of Allied Medical Science (Pharos University):

Teaching the following courses to undergraduate students :

- 1- Medical Parasitology
- 2- Clinical Parasitology and Urine analysis

III- Research Projects:

Participated in the following projects:

A- As Principal Investigator

- 1- "A study on mirazid in Treatment of human schistosomiasis and fascioliasis." Sponsored by pharmaceuticals 2003-2004
- 2- "Therapeutic efficacy of triclabendazole in patients coinfectd with fascioliasis and schistosomiasis: a field study." Sponsored by WHO- TDR 2005-2006.

B- As one of the working members in the following projects :

1. "Environmental and Community Studies on the evaluation of Damsissa for schistosomiasis control in Egypt. (Studies in a resettlement area)". Sponsored by IDRC (International Development Research Center) for 3 years.(1988-1990)
2. "Studies on the extending outbreak of human fascioliasis among Egyptians." Project sponsored by WHO for one year (1991- 1992).
3. "An epidemiological study of human fascioliasis in an endemic focus in the vicinity of Alexandria." Sponsored by Alex. University for one year from 1992-1993.
4. "Use of parasites species composition indices of fish to measure the degree of environmental deterioration de to pollutants other men-made adverse effects." Sponsored by European organization.(1992-1996)
5. "Evaluation of an Integrated approach of schistosomiasis control resettlement area west of Alexandria." Project sponsored by WHO for one year 1993- 1994.
6. "Morbidity due to single and combined hepatosplenic schistosomiasis and fascioliasis in the vicinity of Alex. Egypt." Sponsored by WHO for one year 1994-1995.
7. "Triclabendazole in the treatment of established human Fascioliasis." Sponsored by Ministry of Health in Egypt for four month 1996.

8. "Impact of schistosomiasis and fascioliasis on anaemia and quality of life of school children in Abis area." Sponsored by Alexandria University for one year.(1997-1998)
9. "Control of snail intermediate host of schistosomiasis using different molluscicides " Sponsored by WHO (1997- 1998)
10. "Evaluation of *Ambrosia maritima* in control of schistosomiasis : field and experimental studies and comparison with other plant molluscicides " Sponsored by Ministry of Agriculture (2000-2002)
11. "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).
12. "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) .

IV- Attending Training Courses:

Attending the following training courses:

- ❖ "Introduction to Molecular Biology Techniques" Held at the Medical Research Institutes at the Medical technology center, 26-29 february,2012
- ❖ "Pathways to Higher Education", Egypt. Training of Trainees. Held at Leadership Development Center for The academic staff members of Alexandria University,2010
- ❖ "Basic skills for electronic education and developing electronic courses", Held at the High Institute of Public Health, Alexandria University, January 21-September 2 , 2006
- ❖ Cour de Français Médical général du 9 Janvier au 26 mars 2005 Centre cultural Français d' Alexandrie.
- ❖ Faculty and Leadership Development Courses for the academic staff members of Alexandria University 2005.
- ❖ 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.
- ❖ Epi-Info/Ipi menu: its use in parasitological surveys 2 1-26 Sept. 1996.
- ❖ Course for preparation of University Educationists held at Faculty of Education, Alexandria University, in April 1988

V- AWARD:

Alexandria University award for scientific encouragement 1995

VI- Conferences

1. The fifth Medical Research Conference and the first Egyptian Italian workshop in Tropical Medicine on the 22-24 Oct. 1990.
2. The sixth Medical research conference and the second Egyptian Italian workshop in Tropical Medicine on the 7-8 Nov. 1992.
3. The seventh Medical research conference and the third in Health, Environment and Tropical Medicine on 29-30 Oct. 1994.
4. The Eighth Medical Research Conference and the fourth Egyptian-Italian workshop on the Oct. 26-27 1996, Alexandria. Egypt.
5. The International Conference in Infectious diseases and public health. A Research and clinical update. On Oct. 17-20, 1997. Alex. Egypt.
6. Workshop on Epidemiology, Diagnosis and Management of Fascioliasis. Oct.27th 1997 Alexandria. Egypt.
7. The international symposium on tropical Immunology. On Oct. 30-31, 1997. Alex. Egypt.
8. Egyptian Society of Parasitology. The scientific annual conference. On Nov. The 20th 1997. Cairo Egypt.
9. Workshop of Epidemiology, diagnosis and Management of Schistosomiasis, December 5th 1997 Alexandria, Egypt
10. The Tenth annual Kasr-El Aini Medical Congress March 4-6, 1998, Cairo. Egypt.
11. The Fifth International annual congress of the Egyptian society of Tropical Medicine Infectious and Parasitic Diseases. ESTIP. Jun. 10-12, 1998, Alex. Egypt.
12. Ninth International Congress of Parasitology (ICOPAIX). On 24-28 Aug. 1998. Japan.
13. The 4th Egyptian French Conference of immunology and molecular Biology. Immunology Laboratory for patient's health, Aug. 29-30, 1998, El mansoura. Egypt.
14. The 22nd Annual Congress. Update of Liver diseases. Oct. 22nd, 1998, Alex. Egypt.

15. The first international Conference of the Egyptian Society of hepatology gastroenterology and Infectious diseases April.21-23 1999. Alex. Egypt.
16. The Egyptian society of Tropical Medicine, Infectious and Parasitic diseases. Forth annual summer meeting. On Jan.9-11, 1999, Alex. Egypt.
17. The first Middle East Conference on recent advances in the Management of Cancer. The 20-22 Oct. 1999, Alex. Egypt.
18. The 6th Annual Congress of the Egyptian Society of Hepatology, Gastroenterology and Infectious diseases, held at Sheraton-Montazah Hotel, Alexandria, during the period March 28-29, 2002.
19. “ 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.
20. 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.
21. Tenth conference of Medical Research Institute on recent diagnostic and therapeutic approaches 8-10 October 2003.
22. The 11th conference of the Medical Research Institute in collaboration with world health organization (WHO) on Evidence – based medicine 23-25 November 2005.
23. The 12th conference of the Medical Research Institute on advances in Medical Research. 22nd – 24th November, 2006.
24. The 13th conference of the Medical Research Institute on advances in Medical Research "Liver diseases" 21st – 23rd November, 2007.
25. University Leaders Meeting . Student Assessment : A Mandatory Requirement for Accreditation. Alexandria University 27 May 2007.(QAAP)
26. The 14th conference (2 nd International)-Advanced in Medical Research- Oncology- From bench-----to bedside, 2008.
27. The 15th conference 3rd International-Medical Research Institute,Alexandria University- Advanced in Medical Research from molecular medicine-----to clinical applications, 2009
28. Advances in Medical Research, Quality in Medical Education and Practice the 16 th Conference (4th International) of the Medical Research Institute, held at Sheraton- Montazah Hotel, Alexandria, during the period October 19-22 ,2010.
29. “Fermentas Molecular Biology “ A seminar held in Faculty of Medicine ,

Alexandria University , July 21, 2010.

30. The 17th conference 5th international Conference of Medical Research Institute, held at Hilton Alexandria Green Plaza during the period November 13-16, 2012.
31. The 18th Annual Conference 6th International Conference of Medical Research Institute , held at Tulip Hotel , Alexandria , September, 23-26, 2014.
32. Egyptian Parasitology United (EUP) IV Conference. Parasitology: Challenges and Innovative Approaches, National Training Center, Cairo- Egypt, November, 15-16, 2014.