**Curriculum Vitae**

Salma Mohamed Abdel-Rahman

PhD, Louisiana State University, USA

# أ.د. سلمى محمد عبد الرحمن

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Professor of Medical Parasitology, Faculty of Medicine,

Assiut University, Egypt

<https://scholar.google.com.eg/citations?user=gV1P9bQAAAAJ&hl=en>



# ERSONAL DATA:

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**My Profile At Glance:**

I have teaching experience for over than thirty five years since I was a demonstrator in Microbiology and Parasitology Department Faculty of Medicine, Assiut University till now. During my career, I have taught Parasitology, Immunology,

Molecular Immunology and diagnostic Immunology courses, in addition to Immunology modules (Blocks).

I have authored over 40 peer-reviewed publications in international and Local journals and over 15 research abstracts and posters in different international and Local conferences.

I am supervising many students, research assistants and postdoctoral fellows in my lab and acted as a reviewer for some medical journals.

I am a member of the standing committee of promoting professors and associate professors of in High Council of Universities, Egypt.

# EDUCATION:

* **PhD degree:** June 1996

Microbiology, Parasitology & Immunology, Louisiana state University, Louisiana, USA.

* **Master degree:** February 1989 Parasitology, Assiut University, Egypt.

## Bachelor degree

May 1982, Assiut University, Egypt.

# ACADEMIC POSITIONS:

## 2020 –Now:

## EmeritusProfessor of Medical Parasitology, Faculty of Medicine, Assiut University, Egypt

## 2013 – 2022:

Professor of Medical Parasitology, Faculty of Medicine, Assiut University, Egypt

## 2009 – 2013:

Professor, dept. of microbiology, faculty of Medicine, Northern border University, Arar, KSA

## 2006-2009:

Professor, dept. of Parasitology, Faculty of Medicine, Assiut University, Egypt.

## 2004–2006:

Associate Professor of Microbiology, Faculty of Medicine AlGabal Algharby university, Gherian, Lybia

## 2001-2004:

Associate professor, dept. of Parasitology, Faculty of Medicine, Assiut University, Egypt

## 1996-2001:

Assistant professor, dept. of Parasitology, Faculty of Medicine, Assiut University, Egypt.

## 1995-1996:

Postdoctoral Fellow, in dept. of Microbiology, Immunology and Parasitology, Lousiana state university (LSU), Baton Rouge, Lousiana, USA.

## 1992-1995:

Predoctoral Fellow, PhD program, the department of Microbiology, Immunology and Parasitology, Lousiana state university (LSU), Baton Rouge, Lousiana, USA.

## 1989-1992

Assistant lecturer in dept. of Parasitology, Faculty of Medicine, Assiut University.

## 1983-1989

Demonstrator in dept. of Parasitology, Faculty of Medicine, Assiut University.

# TEACHING EXPERIENCE:

* Teaching Molecular diagnosis of human diseases (III) Lectures for graduate students of Molecular Biology Research & Studies Institute, Assiut University
* Teaching Immunology Lectures and Labs of Immune, Blood & Lymphatic module for the student of faculty of Medicine, Northern border University, Arar, KSA 2009- 2013.
* Teaching Diagnostic Immunology I and II molecular immunology and clinical immunology for the student of faculty of applied Medical science, Northern border University, Arar, KSA, 2009- 2013.
* Teaching parasitology, immunoparasitology and molecular Immunology to the post graduate students , faculties of Medicine and Veterinary medicine, Assiut University, Egypt 2006-2021
* Teaching immunolog for the students of faculty of Medicine, AlGabal Algharby university , Gherian – Lybia 2004-2006
* Teaching parasitology for the students of faculties of Medicine, Pharmacy, Veterinary medicine and Nursery, Assiut University, Egypt
* Assist in teaching Molecular immunology to the post graduate students, Dept. of Microbiology, Immunology and Parasitology Louisiana State University, LSU, Spring 1996.
* Teaching Immunoparasitology and Molecular immunology to the graduate students of faculties of Medicine, Pharmacy and Veterinary medicine. 1996-2021.
* Teaching practical parasitology to the graduate students of faculties of Medicine, Pharmacy and Veterinary medicine, 1984-1992.

# OTHER EXPERIENCE:

* A member of standing committee of promoting professors and associate professors of Medical Parasitology in High Council of Universities, Egypt.
* Coordinator of Immune, Blood Lymphatic & Laboratortory diagnosis modules, for students of Medicine, Northern Border University Arar, KSA
* Academic advisor of the 3rd grade students of Applied Medical Science, Northern Border University Arar, KSA
* Selected as judge of scientific fairs for university students in KSA, 2011 – 2013
* A member of judging committee Of the high school student Scientific fairs Arar, KSA

* Working in the diagnostic laboratory of the department of Microbiology, Immunology and Parasitology, Louisiana State University, USA, 1994-1996.

**SUPERVISION OF THESIS & RESEARCHES:**

* Supervised and co-supervised 11 PhD students
* Supervised and co-supervised 17Masters Students
* Supervised researches of students of Medicine and students of Applied Medical Science, Northern Border University Arar, KSA

# SOCIETY MEMBERSHIP:

* [The American Association of Immunologists](https://www.google.com.eg/url?sa=t&rct=j&q&esrc=s&source=web&cd=1&ved=0ahUKEwjLyoqx19fRAhXlAMAKHf96AGgQFggaMAA&url=http%3A%2F%2Fwww.aai.org%2F&usg=AFQjCNFLhnGNyK6BFfifdBorOUHL7OAJAw&sig2=yaNkQzsoQCVbEkHcOFtZ9g)
* The American Society of Tropical Medicine and hygiene
* American Association of Veterinary Parasitologists (AAVP).
* The Egyptian Society of Medical Parasitology
* Egyptian Parasitologists United.

# CONFERENCES:

* 4th International Conference on Parasitology. September 01-02, 2017 | Prague, Czech Republic.
* [17th international annual scientific conference of the department of tropical medicine](http://gitassuit.target-conference.com/index.html) [and gastroenterology](http://gitassuit.target-conference.com/index.html) (November 26 , 2016). Hurghada, Egypt
* The 46th Annual Meeting German Society for Immunology (September 27, 2016) CCH - Congress Center, Hamburg, Germany.
* [8th Annual Scientific Conference of Clinical Pathology Department](http://www.aun.edu.eg/faculty-medicine/news_subject.php?Id=2147484562) (March 21, 2016) Hurghada, Egypt
* [7th Annual Scientific Conference of Clinical Pathology Department](http://www.aun.edu.eg/faculty-medicine/news_subject.php?Id=501537369) (February 2, 2015) Hurghada, Egypt
* The Xth European Multicolloquium Of Parasitology (August, 2008). Paris, France.
* The first international Congress of Food Hygiene and Human Health 6-8 Feb. 2001 Assiut Univ. Assiut, Egypt.
* The 44th annual meeting of AAVP, July 1999, at Louisiana State University, New Orleans, Louisiana, USA.
* The 48th annual meeting of animal disease research workers in southern States, March 1995, at Gainesville, Florida, USA.

* The 40th annual meeting of AAVA, July 1995, at University of Pennsylvania, Pittsburgh, Pennsylvania, USA.
* The 44th annual meeting of the American Society of Tropical Medicine and Hygiene, November, 1995, at San Antonio, Texas, USA.
* The 38 annual Parasitology meeting of AAVA, July 1993, at University of Minnesota in Minneapolis, Minnesota, USA.

# AWARDS:

* Peace fellowship, June1992– June 1994 Louisiana State University, Louisiana, USA.
* PhD scholarship, June1994-june1996, Louisiana State University, USA.

# RESEARCH INTERST:

* Diagnostic immunology
* Antigen Purification and characterization
* Polyclonal antibodies generation and purification
* Monoclonal antibody generation
* SDS-PAGE electrophoresis,
* Western blot,
* ELISA,
* Immunohistochemistry,
* Flow cytometry,

# Undergoing Projects:

* + Trichinella spiralis oncogene expression and its immunomodulatory effect on breast cancer animal model.
	+ *Blastocystis* and *Cryptosporidium* infectionin patients with colorectal cancer

# PUBLICATIONS:

1. Detection of the 26-28 kD *Fasciola hepatica* coproantigen using western blot assay (1993). Salma M. Abdel-Rahman, Kathy L. O'Reilly, and John B. Malone. Proc. of the 38 annual meeting of AAVA. p. 98. USA
2. Characterization of 26-28 kiloDalton *Fasciola hepatica immunodiagnostic coproantigen* coproantigen(1995). Salma M. Abdel-Rahman, Kathy L. O'Reilly, David H Swenson and John B Malone. Proc. of the 40 annual meeting of AAVA. 103-104. USA
3. Detection of a 26-28kD coproantigen of *Fasciola hepatica* using a capture ELISA (1995). Salma M. Abdel-Rahman, Kathy L. O'Reilly, and John B Malone. Supplement to the American Journal of Tropical Medicine and Hygiene (44)261 USA.
4. Analysis of a diagnostic coproantigen for *Fasciola hepatica.* (1995). Salma M. Abdel-Rahman, Kathy L. O'Reilly, David H Swenson and John B Malone. Proc. of the 48th annual meeting of animal disease research workers in southern States. 37. USA
5. Parasitological and Immunological Studies on *Pneumocystis Carinii* Pneumonia among Critical Respiratory Patients. (1998). Magda M. El Nazer , Fatma G. Sayed

, Amany I. Hamza , Salma M. Abdel Rahman and Suzan . Salama. Egyptian Journal of Medical Sciences 9 (2) 363-377.

1. Evaluation of a diagnostic monoclonal antibody-based capture enzyme-linked immunosorbent assay for detection of 26-28 kD *Fasciola hepatica* coproantigen (1998). Salma M. Abdel-Rahman, Kathy L. O'Reilly, and John B Malone. American Journal of Veterinary Research, 59 (5) 533-537.
2. Intestinal opportunistic spore forming infections in nondiarrhoeic immunocompromised patients (1998). Magda El-Nazer, Fatma G. Sayed, Aman I. Hamza, Salma M. Abdel-Rahman and Maha S.Shaheen. Egyptian Journal of Medical Science 19 (2) 459-467.
3. *Sarcocystis fusiformis aegyptii* N. sp. in the oesophaegi of the Egyptian buffalo (*Bubalus bubalis*) (1998). Ahmed .M.Mandour, Fatma G. sayed, Amany I. Hamza,

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Salma M. Abdel-Rahman and Magda El- Nazer. Proc. of the 44 annual meeting of AAVA.

1. Biochemical characterization and localization of *Fasciola hepatica* 26-28 kD diagnostic coproantigen (1999). Salma M. Abdel-Rahman, Kathy L. O'Reilly, and John B Malone. Parasite immunology. 21: 279-286.
2. Cystic hydatidosis in intermediate hosts and its relation to human infection in Egypt (1999). Salma M. Abdel-Rahman, Fatma G. Sayed, Amany I. Hamza, Maha

S. Shaheen and Magda El-Nazer. South Valley Medical Journal, 3(1) 125-136.

1. Unusual presentations of human hydatidosis; Immunodiagnostic and radiological studies (1999). Amany I. Hamza, Fatma G. Sayed, Salma M. Abdel-Rahman, Maha S. Shaheen, Hisham Imam and Magda El- Nazer. South Valley Medical Journal. 3 (1) 137-157
2. Two New Species And A New Locality Record Of A Zoonotic Cestode (Mathevotaenia) Among Intestinal Helminths Of Rats in Assiut (1999). Maha S. Shaheen, Fatma G. Sayed, Amany I. Hamza, Salma M. Abdel-Rahman and Magda El- Nazer. Assiut Veterinary Medical Journal Vol. 41 No. (82), July 1999.
3. Evaluation of Schisto-Fast as a rapid Method for diagnosis of *Schistosoma haematobium* in Assiut Governorate (2000). Mahmoud M. Moneeb; Abdalla A. Hassan; Salma M. Abdel-Rahman and Lamia A. Abdel Aziz. Assiut Medical Journal 24 (1) 11-20.
4. Immunological studies on two different isolates of *Giardia lamblia* (2000). Ahmed

.M.Mandour, Magda El-Nazer, Salma M. Abdel-Rahman and Hanna El-Hady. South Valley Medical Journal. 4 (2) 213-227.

1. Immunodiagnosis of human fascioliasis in clincaly suspected patients using purified Fasciola antigens (2000). Salma M. Abdel-Rahman and Maha Barakat. Assiut Medical Journal 24 (4) 71-80.
2. Serodaignosis of two zoonotic parasite (*Toxoplasma* and *Sarcocystis*) in cattle (2001). Salma M. Abdel-Rahman. The first congress on food hygiene and human health. 116-125.
3. Parasitological Studies on Fresh water Leeches in Assiut using Light and Scanning Electron Microscope (2001). Salma M. Abdel-Rahman, Maha, S. Shaheen Amany
	1. Hamza, , Fatma G. Sayed. and Magda El- Nazer. South Valley Medical Journal, Vol. 5, No.(1),.

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1. Human Muscle Sarcocystosis In Relation To Non-Specific Rheumatic Diseases And Rheumatoid Arthritis (2002): Salma M. Abdel-Rahman, Sonia M. Rashad and Moustafa A. Doma -Egyptian rheumatology and rehabitulation, Vol.29 No. (5)

1. Identification and characterization of antigenic proteins of two zoonotic larval cestodes that develop in the tissues of their hosts. Ahmed M. Mandour, Fatma G. Sayed, Salma M. Abdel-Rahman and Lamia A. Abdel-Aziz Assiut Medical Journal, Vol. 30 No. (2) May, 2004.
2. Detection of *Toxoplasma gondii* IgG and IgA antibodies in Cerebrospinal Fluid of Hydrocephalic Children by ELISA and Western Blot.: Salma M. Abdel-Rahman El-Minia Medical Journal, Vol. 16 No. (1) January 2005.
3. Characteristics of Hydatid Cyst of Camel Strain of *Echinococcus granulosus* in Assiut.(2004): Refaat M.A. Khalifa, Salma M.Abdel-Rahman, Mohamed El-Salahy

M. Monib, Doaa A. Yones. El-Minia Medical Journal, Vol. 16 No. (1) January 2005.

1. Detection of *Toxoplasma gondii* IgG and IgA antibodies in Cerebrospinal Fluid of Hydrocephalic Children by ELISA and Western Blot. Salma M. Abdel-Rahman. El-Minia Medical Bulletin, Vol. 16 No. (1) January 2005.
2. Possible Causes of Morphometric Differences in *Schistosoma haematobium* Eggs in Sohag (Upper Egypt) (2005): Refaat M.A. Khalifa, Magda M.A. EL-Nazer, Salma M. Abdel-Rahman, Eman K.M. Omran. South Valley Medical Journal, Vol. 13 No. (1).
3. Detection of *Schistosoma haematobium* Egg Antigen by Western blot. (2005): Refaat M.A. Khalifa, Magda M.A. EL-Nazer, Salma M. Abdel-Rahman, Eman

K.M. Omran. South Valley Medical Journal, Vol. 13 No. (1).

1. Scanning Electron Microscopy of Third-Instar Larva of *Lucilia sericata* (Diptera: Calliphoridae) Recovered from a Case of Human Intestinal Myiasis. (2005): Maha

S. Shaheen ; AmanyI. Hamza ; Salma M. Abdel-Rahman. Assiut Vet. Medical Journal, Vol. 51 No. (104).

1. [Immunodiagnosis of *Capillaria philippinensis* by western blot using coproantigen](https://scholar.google.com.eg/scholar?oi=bibs&cluster=9387145163780861934&btnI=1&hl=en) [and egg antigen](https://scholar.google.com.eg/scholar?oi=bibs&cluster=9387145163780861934&btnI=1&hl=en) (2005): Salma M. Abdel-Rahman, Mohamed El-Salahy M. Moneib, Maha S. Shahine and Lamia A. Abdel Aziz.. El-Minia Medical Journal, Vol. 16 No. (2).
2. Prevalence of *Cysticercus bovis* and Effect of Cooking on its Viability. (2005). Salma M. Abdel-Rahman, Mona K. Abdel- kader, Alia M. El-Gharably, Noha S. Ahmed. South Valley Medical Journal, Vol. 14 No. (2) July 2005.

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1. Light Microscopic Study of The Effect of Flubendazole, Praziquantel and Combination of Both Drugs on Adult *Schistosoma mansoni.* (2006): Laila A. Omran, Fatma G.Sayed, Salma M. Abdel-Rahman, Amal M. Abdo. Assiut Vet. Medical Journal. Vol. 53 No. (106) January, 2006.

1. Scanning Electron Microscopy of Adult *Schistosoma mansoni* After Treatment with Praziquantel, Flubendazol and Combination of both (2006). Laila A. Omran, Fatma G.Sayed, Salma M. Abdel-Rahman, Amal M. Abdo. Assiut Vet. Medical Journal. Vol. 53 No. (106) January, 2006
2. Scanning electron microscopical studies on some metacercariae of family *Clinostomatidae*, (2006): Maha. S. I .Shaheen, Mohsen .I. Arafa, Salma .M. Abdel- Rahman and Mostafa .A .Shatat. Assiut Medical Journal, Vol. 30 No. (1) January 2006.
3. Three new cases of human infection with *Dirofilaria repens*, one pulmonary and two subcutaneous, in the Egyptian governorate of Assiut. (2008): Abdel-Rahman SM, Mahmoud AE, Galal LAA, Gustinelli A and Pampiglione S. Annals of Tropical Medicine and Parasitology Vol. 102, No 6, 499-507 (2008)
4. Identification and characterization of antigenic proteins of two zoonotic larval cestodes that develop in the tissues of their hosts. (2008). Ahmed .M.Mandour, Fatma G. Sayed, Salma M. Abdel-Rahman and Lamia A. Abdel-Aziz. **Xth** European Multicolloquium Of Parasitology (August,2008)Paris, France
5. Detection of *Toxoplasma gondii* antigen in cerebrospinal fluid of hydrocephalic children by western blot (2008). Salma M. Abdel-Rahman, Fatma G. Sayed, Hamma Bakeer and Amany I. Hamza. **Xth** European Multicolloquium Of Parasitology (August,2008). Paris, France
6. Identification and characterization of *Toxoplasma* antigen before and after heat treatment (2008): Salma M. Abdel-Rahman, Amany I. Hamza, Manal Zaki aHosand Fatma G. Sayed. **Xth** European Multicolloquium Of Parasitology (August,2008). Paris, France
7. The diagnostic value of Cysticercus bovis hyper immune serum for detection of *Taenia* spp. Antigens (2009): Maha S. Shahin, Abeer E. Mahmoud, Hanaa Y. Bakir, Hanan E. M. Eldeek and Salma M. Abdel-Rahman. 1st annual conference of the EPU, Cairo, Egypt, 28-29 2009.
8. Comparative study between nonlethal and lethal strains of *Plasmodium yoelii* with reference to its immunological aspect (2009): Hanna Y. Bakeer , Fatma G. Sayed, Salma M. Abdel-Rahman, , Amany I. Hamza, Abeer E. Mahmoud , Lamia A. Abdel-Aziz and Rasha A. Attia. Jornal of Egyptian Society of Parasitology.

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1. Detection of Capillaria philippinensis coproantigen in clinical cases of capillariasis by enzyme-linked immunosorbent assay using polyclonal antibodies (2017). Salma M. Abdel-Rahman, Hanna Y. Bakeer, Ragaa A, Othman, Mervat M. Ali. 4th International Conference on Parasitology. September 01-02, 2017 | Prague, Czech Republic. Abstracts: J Bacteriol Parasitol. At: Prague, Czech Republic Volume: 8

1. Evaluation Of Fish Capillaria Spp. Antigen In Diagnosis Of Human Intestinal Capillariasis (2019).Salma M. Abdel-Rahman , Hanna Y. Bakir, Ragaa A. Othman, Mervat M. Khalifa J. Adv. Parasitol 6 (1), 1-6 6 (1), 1-6.
2. The Potential Convention of Garlic And Black Seed Different Extracts As An Effective Treatment Of Cryptosporidium *Spp*.: An Experimental Study. (2020) Ha Sadek, SM Abdel-Rahman, HY Bakir, MI Arafa, AA Ahmed, ...Journal Of The Egyptian Society Of Parasitology 50 (3), 613-621.
3. Comparison Of The Diagnostic Performance Of Microscopic Examination, Copro-ELISA, And Copro-PCR In The Diagnosis Of *Capillaria Philippinensis* Infections. (2020) MM Khalifa, SM Abdel-Rahman, HY Bakir, RA Othman, MA El-Mokhtar. Plos One 15 (6), E0234746.
4. Parasitological, Molecular, and Epidemiological Investigation of Cryptosporidium Infection Among Cattle and Buffalo Calves From Assiut Governorate, Upper Egypt: Current Status and Zoonotic Implications(2022) Ehab Kotb Elmahallawy, Hesham A. Sadek, Dina Aboelsoued, Maha A. Aloraini, Abdulsalam A. M. Alkhaldi, Salma M. Abdel-Rahman, Hanna Y. Bakir, Mohsen I. Arafa. ,Ehssan Ahmed Hassan, Elzahara Elbaz, Eman A. A. Hassanen, Fatma A. El-Gohary and Ahmed Gareh. [Frontiers in Veterinary Science](https://www.researchgate.net/journal/Frontiers-in-Veterinary-Science-2297-1769) 9:899854 DOI:[10.3389/fvets.2022.899854](http://dx.doi.org/10.3389/fvets.2022.899854)
5. Studies On Sociodemography, Clinical, Laboratory, and Treatment of Fascioliasis Patients in Assiut Hospitals, Assiut Governorate, Egypt (2022) Samah M. Hussieun, Yasser M. Mohamed1, Hanaa Y. Bakir1, Ragaa A. Othman, Salma M. Abdel-Rahman,And Mervat M. Khalifa. Journal of the Egyptian Society of Parasitology, Vol.52, No.1, April 2022 J. Egypt. Soc. Parasitol. (JESP), 52(1), 2022: 133 - 138
(Online: 2090-2549)
6. [Genetic relatedness and diversity of *Capillaria* species infecting bayad (*Bagrus bajad*) in upper Egypt](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=gV1P9bQAAAAJ&citation_for_view=gV1P9bQAAAAJ:TFP_iSt0sucC). SM Abd-Elrahman, SM Abdel-Rahman, HY Bakir, RA Othman, AA Khedr, ...(2024) BMC Veterinary Research 20 (1), 235