

## Curriculum Vitae

### **Personal information:**

Name: **Sara Abdel-Aal Mohamed**

Date of birth: 27/2/1987

Citizenship: Egypt

Work address: Department of Parasitology, Faculty of Veterinary Medicine, Assiut University, Egypt.

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Current position: Assistant professor of Parasitology, Faculty of veterinary Medicine, Assiut University, Egypt.



### **Education:**

Graduated in Jun 2008

- Bachelor of Veterinary Medicine Science, Faculty of Veterinary Medicine, Assiut University, Assiut, Egypt; Very good with Honor degree (the 10th on 600 students).
- Master 2009-2014 University of Assiut, Egypt

Master thesis entitled: “Studies on *Sarcocystis* in some ruminant animals in Assiut

- PhD 2014-2019 University of Assiut, Egypt

PhD thesis entitled: “**Immune Profile in Human and Animal Schistosomiasis**”

### **Academic experiences:**

- Demonstrator at Faculty of Veterinary Medicine, Assiut University, Sohag, Egypt from: 2009-2014.
- Assistant lecturer at Faculty of Veterinary Medicine, Assiut University, Assiut, Egypt from: 2014-2019.
- Lecturer at Faculty of Veterinary Medicine, Assiut University, Assiut, Egypt from: 2019 until 2024.
- Assistant professor of Parasitology at faculty of veterinary medicine, Assiut, Egypt: 2024 until now.

- Supervisor on the following:
  1. Master thesis entitled: **“Studies on Coccidiosis of chicken in Sohag Governorate”**
  2. Master thesis entitled: **“Some studies on Gastrointestinal and blood parasites of horses in Luxor Governorate”**
  3. Master thesis entitled: **“studies on some fish parasites of public health importance in Sohag Governorate, Egypt”**
  4. Master thesis entitled: **“Some Studies on parasitic infection of fresh water fish in Assiut Governorate, Egypt”**
  5. Master thesis entitled: **“Some Studies on Gastrointestinal and blood parasites of Sheep in Assiut Governorate, Egypt”**
  6. Master thesis entitled: **“Studies on internal of Ducks in Assiut Governorate, Egypt”**
  7. PhD thesis entitled: **“Parasitic contamination of water supply in Assiut Governorate”**
  8. PhD thesis entitled: **“Identification of some helminthes of fish in Assiut Governorate and evaluation of anthelmintic activities of some marine extracts on them”**
  9. PhD thesis entitled: **“Some studies on Metacestodes in Slaughtered Sheep in Assiut Governorate , Egypt”**

### Conferences:

- **Mohammed SA**, Hetta HF, Zahran AM, Tolba MEM, Attia RAH, Behnsawy HM, Algammal AM, Batiha GE, Mohammed AQ, Ahmad AA. T cell subsets, regulatory T, regulatory B cells and proinflammatory cytokine profile in *Schistosoma haematobium* associated bladder cancer: First report from Upper Egypt. In the 1<sup>st</sup> International Veterinary Symposium between Assiut university and Justus-Liebig University.
- I participated in the Activities of the Scientific Day in the Department of Tropical Medicine and Gastroenterology in collaboration with the Parasitology Department, under the title “Update in Parasitology from Ancient Egyptians to Nanotechnology” on 10th May 2022.
- Listening: 1<sup>st</sup> Conference of Applied Molecular Biology.
- (8th -9th May 2023) Attended the "1st Conference of Applied Molecular Biology" at Molecular Biology Research & Studies Institute, Assiut University, Assiut, Egypt.
- (4th -5th March 2024) Attended the "19th Science Congress of Veterinary Medicine and Egypt Vision 2030" at the Faculty of Veterinary Medicine Assiut University and Badr University, Assiut, Egypt.

### **Teaching experiences:**

- Responsible for teaching and evaluation of the practical part of Parasitology courses (helminthology, Protozoa and Entomology courses) for undergraduate students at Faculty of Medicine - Assiut University (2009-2019).
- Participates in the summer veterinary caravans shared by Faculty of Veterinary Medicine, Assiut University in the villages of Sohage Province which help in designing the epidemiological map of the most common animal diseases (2009).
- Responsible for teaching and evaluation of Parasitology courses for undergraduate students (2019-2025).
- Participate in the supervision of postgraduate thesis at Faculty of Veterinary Medicine - Assiut University (2020-2025).
- Responsible for teaching and evaluation of Parasitology courses for postgraduate students (2023-2025).

### **Publications:**

Abd-ELrahman, S. M., Gareh, A., Mohamed, H. I., Alrashdi, B. M., Dyab, A. K., El-Khadragy, M. F., ... & **Mohamed, S. A. A.** (2023). Prevalence and morphological investigation of parasitic infection in freshwater fish (Nile tilapia) from Upper Egypt. *Animals*, 13(6), 1088.

Abd-ELrahman, S. M., **Mohamed, S. A. A.**, Mohamed, S. E., El-Khadragy, M. F., Dyab, A. K., Hamad, N., ... & Elmahallawy, E. K. (2022). Comparative effect of allicin and alcoholic garlic extract on the morphology and infectivity of *Eimeria tenella* oocysts in chickens. *Animals*, 12(22), 3185.

**Mohamed, S. A. A.**, Dyab, A. K., Raya-Álvarez, E., Abdel-Aziz, F. M., Osman, F., Gareh, A., ... & Elmahallawy, E. K. (2024). Molecular identification of *Haemonchus contortus* in sheep from Upper Egypt. *Frontiers in Veterinary Science*, 10, 1327424.

Elmahallawy, E. K., Gareh, A., Abu-Okail, A., Köster, P. C., Dashti, A., Asseri, J., **Mohamed, S. A. A.**... & Carmena, D. (2023). Molecular characteristics and zoonotic potential of enteric protists in domestic dogs and cats in Egypt. *Frontiers in Veterinary Science*, 10, 1229151.

**Mohammed, S. A.**, Hetta, H. F., Zahran, A. M., Tolba, M. E., Attia, R. A., Behnsawy, H. M., ... & Ahmad, A. A. (2023). T cell subsets, regulatory T, regulatory B cells and proinflammatory cytokine profile in *Schistosoma haematobium* associated bladder cancer: First report from Upper Egypt. *PLoS Neglected Tropical Diseases*, 17(4), e0011258.

Ahmad, A. A., Ramadan, H. K. A., Hassan, W. A., Hakami, M. A., Huseein, E. A. M., **Mohamed, S. A. A.**, ... & Elossily, N. A. (2022). New perspectives for fascioliasis in Upper Egypt's new endemic region: Sociodemographic characteristics and phylogenetic analysis of *Fasciola* in humans, animals, and lymnaeid vectors. *PLOS Neglected Tropical Diseases*, 16(12), e0011000.

Mohamed, S. E., Dyab, A. K., **Mohamed, S. A.**, & ABD-ELRAHMAN, S. A. L. W. A. (2021). Prevalence of coccidiosis in chicken in Sohage governorate. *Assiut Veterinary Medical Journal*, 67(171), 1-11.

AbdAllah, O. R., Gabre, R. M., **Mohammed, S. A.**, Korayem, A. M., Hussein, H. E., & Ahmad, A. A. (2025). Evaluating the role of synanthropic filth flies in the transmission of zoonotic parasites: field and laboratory evidence from different animal rearing sites in upper Egypt with focus on *Cryptosporidium* spp. *BMC Veterinary Research*, 21(1), 188.

HELMY, H. I., ABD-ELRAHMAN, S. M., DYAB, A. K., & **MOHAMED, S. A.** (2022). Parasitosis in *Clarias gariepinus* and its relation to some environmental conditions in Assiut Governorate, Egypt. *Journal of the Egyptian Society of Parasitology*, 52(2), 177-182.

Anwar, F. A., Negm, E. A., Abdelhaseib, M., Abdel-Maksoud, F. M., Mohammed, A. A., **Mohamed, S. A. A.**, ... & Elmahallawy, E. K. (2024). High prevalence of bovine cardiac cysticercosis in Upper Egypt: an epidemiological and histopathological study. *Animals*, 14(1), 158.

Alshammari, A., Anwar, F. A., **Mohamed, S. A. A.**, & Abdelsater, N. (2023). Antihelmentic effect of *Androctonus crassicauda* scorpion venom against *Trichuris arvicolae* isolated from *Psammomys obesus* in Egypt. *Saudi Journal of Biological Sciences*, 30(8), 103713.

ABD EL-RADY, L. M., Dyab, A. K., ABD-ELRAHMAN, S. A. L. W. A., & **Mohamed, S. A.** (2021). Prevalence of gastrointestinal parasites in horses in luxor, egypt. *Assiut veterinary medical journal*, 67(171), 12-20.

Fouad, A. M., Abo-Al-Ela, H. G., Negm, E. A., Abdelhaseib, M., Alian, A., Abdelsater, N., ... & **Mohamed, S. A. A.** (2025). Impact of *Polyonchobothrium magnum* on health and gut microbial ecology of African catfish (*Clarias gariepinus*): Insights from morphological, molecular, and microbiological analyses. *Journal of Fish Diseases*, 48(9), e14013.

DYAB, A. K., HASANIEN, N. E., **MOHAMED, S. A. A.**, ARAFA, M. I., & NASR, A. A. (2025). Prevalence of intestinal parasites of domestic duck in Assiut, Egypt: With special reference for coccidian infection. *Assiut Veterinary Medical Journal*, 71(184), 364-375.

Abel-Aziz, F. M., Dyab, A. K., Osman, F. A., & **Mohamed, S. A. A.** (2023). Prevalence of Helminthes of Sheep in Assiut Governorate, Egypt. *Assiut Veterinary Medical Journal*, 69(178), 18-27.

ABD ELRAHEEM, H. A., DYAB, A. K., DARWISH, M. H., & **MOHAMED, S. A.** (2025). STUDIES ON SOME FISH PARASITES OF PUBLIC HEALTH IMPORTANCE IN SOHAG GOVERNORATE, EGYPT. *Assiut Veterinary Medical Journal*, 71(184), 662-671.

Khallaf, I. S., Malak, L. G., Bayoumi, S. A., Farag, S. F., Sayed, A. M., **Mohamed, S. A.**, ... & Abdelmohsen, U. R. (2024). Unlocking the Antiparasitic Potential of Apiaceae: The Promise of Geraniol for Scabies Treatment.

Dyab, A. K., **Mohamed, S. A. A.**, Abdel-Aziz, F. M., Gareh, A., Osman, F., Elgohary, F. A., ... & Elmahallawy, E. K. (2024). Microscopic and molecular detection of piroplasms among sheep in Upper Egypt. *Frontiers in Veterinary Science*, *11*, 1373842.

Osman, F. A., Gaadee, H. I. M., & **Sara Abdel-Aal, M.** (2023). Some studies on Sarcocystis in sheep and goats in Assiut governorate Egypt. *J Parasit Dis Diagn Ther.* 2023; 8 (2): 1-6, 2.

Abd-ELrahman, S. M., **Mohamed, S. A. A.**, Mohamed, S. E., El-Khadragy, M. F., Dyab, A. K., Hamad, N., ... & Elmahallawy, E. K. (2022). Comparative effect of allicin and alcoholic garlic extract on the morphology and infectivity of Eimeria tenella oocysts in chickens. *Animals*, *12*(22), 3185.

Ahmed, A. A., Sayed, F. G., Galal, L. A., Ismail, T., **Abdel-Aal, S.**, & Gaber, M. (2025). Washing methods to avoid parasitic contamination of raw vegetables in Assiut, Egypt: A comparative efficacy study. *Parasitologists United Journal*, *18*(2), 166-173.

Wahman, R., Mohamed, S., Bayoumi, S., Morsy, R., Shafie, S., Abdelraheem, N., **Mohamed, S. A. A** ... & Ahmad, A. (2025). Investigating the potential scabidical activities of three essential oils: gaining mechanistic insights through in vitro contact bioassay and molecular docking. *BMC Complementary Medicine and Therapies*, *25*(1), 185.

**Mohamed, S. A. A.**, Anwar, F. A., Gareh, A., Ghallab, M. M., Martínez, R., Gouda, A. A., ... & Elmahallawy, E. K. (2025). First microscopic and molecular identification of Cryptosporidium spp. in fat sand rats (Psammomys obesus) in Egypt and their potential zoonotic implications. *Frontiers in Veterinary Science*, *11*, 1488508.

Ahmed, A. A., DYAB, A. K., **MOHAMED, S. A. A.**, NASR, A. A., & ABDEL-HAKEEM, S. S. (2024). PREVALENCE AND DIVERSITY OF ZOOPLANKTON IN DIFFERENT FRESH WATER SUPPLIES IN ASSIUT GOVERNORATE. *Assiut Veterinary Medical Journal*, *70*(183), 361-369.

AbdAllah, O. R., Ahmad, A. A., Gabre, R. M., Korayem, A. M., & **Mohammed, S. A.** (2023). First Record of an Outbreak of Dictyocaulus viviparus Infection in Cattle and Buffalo Farms in Assiut, Upper Egypt with Special Reference to the Role of Filth Flies in the Disease Transmission. *Journal of Advanced Veterinary Research*, *13*(5), 776-784.

Abdelsater, N., Amer, O., Elshehaby, M., & Mohamed, S. (2022). Alterations in the tegument surface of adult fluke, *Fasciola gigantica*, after in vitro treatment with the crude venom of the oriental hornet, *Vespa orientalis*.

**Professional experience:**

I have extensive experience in the field of diagnosis, academic teaching, and scientific research of parasitology. I have worked in this field for 15 years, from 2009 until now.

**Language skills:**

Arabic (native), and English (very good).

**Computer Skills**

- Excellent experience in Microsoft Office package.
- Some statistical analysis package (SPSS and some reference software (Mendeley, EndNote).