



Reem Mohamed Alsaadawy Abdelhamed Barbary

B.V.Sc., M.V.Sc.

Assistant Lecturer of Zoonoses

Personal Details

First name: Reem

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Corresponding address in Egypt: Department of Zoonoses - Faculty of Veterinary Medicine - Assiut University – Assiut - Egypt.

Academic Employments

Current

Assistant Lecturer of Zoonoses, Department of Zoonoses, Faculty of Veterinary Medicine, Assiut University, Assiut, Egypt.

Previous

2013-2018: Demonstrator of Zoonoses, Department of Zoonoses, Faculty of Veterinary Medicine, Assiut University, Assiut, Egypt.

Academic Qualifications

- **Master of Veterinary Medical Sciences (Zoonoses):** Thesis title: "Epidemiological study on *Bartonella henselae* in cats and humans". Faculty of Veterinary Medicine, Assiut University, Egypt. Approved September 2018.
- **Bachelor of Veterinary Medical Sciences:** Faculty of Veterinary Medicine, Assiut University, Egypt. Approved June 2012, (**General Grade Excellent With Honour, 86.68%**).

Academic Honors

- Excellence Graduate Award in 2012.

Teaching Activities

- Teaching practical part of General Zoonoses course for 4th under graduate students at the Department of Zoonoses - Faculty of Veterinary Medicine - Assiut University – Egypt from 2013 till present.
- Teaching practical part of Special Zoonoses course for 5th under graduate students at the Department of Zoonoses - Faculty of Veterinary Medicine - Assiut University – Egypt from 2013 till present.

Training Courses and workshops

- 1. Real-time PCR & DNA sequencing: Techniques and applications (Level 2).** Genetic Engineering and Molecular Biology Research Unit of Assiut University. 9th - 11th April 2019.
- 2. Conference Organization.** Faculty and Leadership Development Center (FLDC) - Assiut University. 9th - 10th January 2018.
- 3. Legal and Financial Aspects in University Environment.** Faculty and Leadership Development Center (FLDC) - Assiut University. 28th - 29th October 2014.

4. **How to Compete for a Research Fund.** Faculty and Leadership Development Center (FLDC) - Assiut University. 26th - 27th October 2014.
5. **Time and Conference Management.** Faculty and Leadership Development Center (FLDC) - Assiut University. 21st - 22nd October 2014.
6. **Credit Hour System.** Faculty and Leadership Development Center (FLDC) - Assiut University. 7th - 9th September 2013.
7. **Quality Standards in Teaching.** Faculty and Leadership Development Center (FLDC) - Assiut University. 1st - 3rd September 2013.
8. **Teaching Preparation Course.** Faculty of Education - Assiut University. 6th - 11th September 2013.

Lab expertise

- Isolation of pathogenic microorganism from human and animals.
- Identification of pathogenic microorganism through culturing and biochemical tests.
- Differentiation between gram positive and gram negative bacteria through gram stain.
- Detection of intraerythrocytic microorganism by using Giemsa-stained blood smears and transmission electron microscopy.
- Molecular detection of microorganism infection in animals by using conventional PCR.
- Experience in qRT-PCR and tissue culturing techniques.
- Serological detection of microorganism infection in human by using immunofluorescence assay.
- Microsoft office programs, SPSS and Graph pad prism softwares package.

Conferences

- 16th Scientific Conference "Prospective Visions for Upgrading the Quality of Veterinary Education" at Assiut University. 30th November – 2nd December 2014.

Community services

- Sharing in the veterinary medical convoys during the undergraduate studies.
- Inspection of the animals' meat in the slaughter houses.
- Participating in Awareness-raising campaigns against zoonotic diseases.
- Participating in the volunteer works in my city.

Language Skills

- Arabic: Mother language.
- English: Very good verbal, writing, and reading abilities (**IELTS score 5.5**).

Peer-Reviewed Publications

- Sayed RKA, Fernández-Ortiz M, Diaz-Casado ME, Aranda-Martínez P, Fernández-Martínez J, Guerra-Librero A, Escames G, López LC, **Alsaadawy RM**, Acuña-Castroviejo D (2019). Lack of NLRP3 inflammasome activation reduces age-dependent sarcopenia and mitochondrial dysfunction, favoring the prophylactic effect of melatonin. Journal of Gerontology: Series A Biological Sciences, doi: <https://doi.org/10.1093/gerona/glz079>
- Epidemiological study on *Bartonella henselae* in cats and humans. (Under reviewing process).