

CURRICULUM VITAE

Name: Waleed Mahmoud Arafa Ahmed

Current Position:

-Postdoctoral research associate, Entomology department, AgriLife Research, Texas A&M University.

-Professor of parasitology, Beni-Suef University, Egypt

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EDUCATION

Ph.D (Veterinary parasitology):-

September, 2011 in the field of Veterinary Medicine (Veterinary parasitology),
Faculty of Veterinary Medicine, Beni-Suef University, Egypt.

M.V.Sc., (Veterinary parasitology):-

February, 2008 in the field of Veterinary Medicine (Veterinary parasitology),
Faculty of Veterinary Medicine, Beni-Suef University, Egypt.

B.V.Sc., (Veterinary sciences):-

September, 2004 in Veterinary Medicine, Cairo University, Beni-Suef branch, Egypt (*Grade: Very Good*)

Area: Five years studies including basic and clinical veterinary sciences.

EMPLOYMENT HISTORY

2023 till now: Postdoctoral research associate Texas A&M university.

2021-till now: Professor of Parasitology, Faculty of Veterinary Medicine, Beni-Suef University, Beni-Suef 62512, Egypt.

2016 - 2021: Assistant professor of parasitology, Faculty of Veterinary Medicine, Beni-Suef University, Beni-Suef 62512, Egypt

2011- 2016:

Lecturer of parasitology,

2008- 2011

Assistant Lecturer of parasitology, Faculty of Veterinary Medicine, Beni-Suef University, Beni-Suef 62512, Egypt

2005 – 2008

Demonstrator of Parasitology, department of Parasitology,
Faculty of Veterinary Medicine, Beni-Suef University, Beni-Suef 62512, Egypt.

TEACHING EXPERIENCE

At the University of Beni-Suef, Faculty of Veterinary Medicine, department of

Parasitology:

- Teaching the academic part of parasitology for under and postgraduate students.
- Teaching the practical part of Helminthology, Arthropoda, Protozoa and Immunoparasitology.

• Research interest

My research focuses on important parasitic diseases of livestock including helminths, protozoa and arthropods. Among arthropods, tick is an ectoparasite of particular importance. I am focusing on the integrated pest management, vector-borne pathogens, insects' control, acaricides resistance.

Recent Publication List

- .1 *Effect of tunable femtosecond laser pulses on the sporulation of Eimeria species oocysts of chickens: An In Vitro Study*
WM Arafa, AE Mohamed, FA Samad, OA Dabbous, SM Aboelhadid, ...
Journal of Photochemistry and Photobiology A: Chemistry, 114953
- .2 *D-limonene nanoemulsion: lousicidal activity, stability, and effect on the cuticle of Columbicola columbae*
SM Gadelhaq, SM Aboelhadid, AAS Abdel-Baki, KM Hassan, WM Arafa, ...
Medical and Veterinary Entomology 37 (1), 63-75
- .3 *Detection of unusual Cryptosporidium parvum subtype in patients with gastrointestinal cancer in Egypt*
MI Ali, WMAE Wahab, A Hassan, U Ryan, L Xiao, WM Arafa, DA Hamdy
Parasitology Research 122 (2), 597-606
- .4 *Safety and Efficacy of Pure and a Nanosuspension of D-limonene for Controlling Pigeon Lice*
SM Gadelhaq, SM Aboelhadid, AAS Abdel-Baki, KM Hassan, WM Arafa, ...
Journal of Medical Entomology 60 (1), 148-158
- .5 *Role of antioxidant activity of essential oils in their acaricidal activities against Rhipicephalus annulatus*
SM Aboelhadid, AAS Abdel-Baki, KM Hassan, WM Arafa, H Abdel-Tawab, ...
Experimental and Applied Acarology 88 (2), 209-224
- .6 *Tunable polymeric mixed micellar nanoassemblies of lutrol F127/Gelucire 44/14 for oral delivery of praziquantel: A promising nanovector against hymenolepis nana in ...*
WM Arafa, MH Elkomy, HM Aboud, MI Ali, SS Abdel Gawad, ...
Pharmaceutics 14 (10), 2023
- s Note: MDPI stays neutral with regard to jurisdictional claims in published ...
- .7 *Acaricidal activity of Foeniculum vulgare against Rhipicephalus annulatus is mainly dependent on its constituent from trans-anethone*
SM Aboelhadid, WM Arafa, AAS Abdel-Baki, A Sokmen, S Al-Quraishy, ...
PLoS One 16 (12), e0260172
- .8 *Detection of anaplasmosis and ehrlichiosis in blood of owned dogs in Alexandria, Northern Egypt*
KM El-Dakhly, MM Tawfik, AS Aboshinaf, LN Mahrous, WM Arafa
Adv. Anim. Vet. Sci 9 (9), 1383-1389
- .9 Arafa, W. M., Aboelhadid, S. M., Moawad, A., Shokeir, K. M., Ahmed, O., & de León, A. A. P. (2021). Control of Rhipicephalus annulatus resistant to deltamethrin by spraying infested cattle with synergistic eucalyptus essential oil-thymol-deltamethrin combination. *Veterinary Parasitology*, 290, 109346.
- .10 Arafa, W. M., Klafke, G. M., Tidwell, J. P., de León, A. A. P., & Esteve-Gassent, M. (2020). Detection of single nucleotide polymorphism in the para-sodium channel gene of Rhipicephalus annulatus populations from Egypt resistant to deltamethrin. *Ticks and Tick-borne Diseases*, 11(5), 101488.
- .11 Arafa, W. M., Aboelhadid, S. M., Moawad, A., Shokeir, K. M., & Ahmed, O. (2020). Toxicity, repellency and anti-cholinesterase activities of thymol-eucalyptus combinations against phenotypically resistant Rhipicephalus annulatus ticks. *Experimental and Applied Acarology*, 81, 265-277.
- .12 El-Dakhly, K. M., Arafa, W. M., Soliman, S., Abdel-Fatah, O. R., Wahba, A. A., Esteve-Gasent, M. D., & Holman, P. J. (2020). Molecular detection, phylogenetic analysis, and genetic diversity of Theileria

annulata, Babesia bigemina, and Anaplasma marginale in cattle in three districts of Egypt. Acta parasitologica, 1-8

- .13 Arafa, W. M., Abolhadid, S. M., Moawad, A., Abdelaty, A. S., Moawad, U. K., Shokier, K. A., ... & Gadelhaq, S. M. (2020). Thymol efficacy against coccidiosis in pigeon (*Columba livia domestica*). Preventive veterinary medicine, 176, 104914.
- .14 Saeed, A., Aboelhadid, S. M., Gadelhaq, S. M., Arafa, W. M., Abdel-Razik, A. R. H., Abohamra, S., & Abdelaziz, K. T. (2019). Oral inoculation of ultraviolet-irradiated *Eimeria* species oocysts protects chickens against coccidiosis. Parasitology research, 118(11), 3173-3183.
- .15 Arafa, W. M., Hassan, A. H., Mahrous, L. N., Abdel-Ghany, A. E., & Aboelhadid, S. M. (2019). Occurrence and molecular characterization of zoonotic *Anisakis simplex sensu stricto* and *Anisakis pegreffii* larvae in retail-marketed fish. Journal of Food Safety, 39(5), e12682.
- .16 El-Ashram, S., Aboelhadid, S. M., Arafa, W. M., Gadelhaq, S. M., & Abdel-Razik, A. R. H. (2019). Protective potential of diclazuril-treated oocysts against coccidiosis in layer chicks. Veterinary parasitology, 273, 105-111.
- .17 Arafa, W. M., Mohammed, A. N., & El-Ela, F. I. A. (2019). Acaricidal efficacy of deltamethrin-zinc oxide nanocomposite on *Rhipicephalus (Boophilus) annulatus* tick. Veterinary parasitology, 268, 36-45.
- .18 El-Dakhly, K. H. M., Aboshinaf, A. S. M., Arafa, W. M., Mahrous, L. N., El-Nahass, E., Gharib, A. F., ... & Craig, T. M. (2018). In vitro study of disinfectants on the embryonation and survival of *Toxascaris leonina* eggs. Journal of helminthology, 92(5), 530-534.
- .19 Aboelhadid, S. M., Arafa, W. M., Mahrous, L. N., Fahmy, M. M., & Kamel, A. A. (2018). Molecular detection of *Rhipicephalus (Boophilus) annulatus* resistance against deltamethrin in middle Egypt. Veterinary Parasitology: Regional Studies and Reports, 13, 198-204.
- .20 Aboelhadid, S. M., Arafa, W. M., Wahba, A. A., Mahrous, L. N., Ibrahim, S. M., & Holman, P. J. (2018). Effect of high concentrations of lufenuron, pyriproxyfen and hydroprene on *Rhipicephalus (Boophilus) annulatus*. Veterinary parasitology, 256, 35-42.
- .21 Gadelhaq, S. M., Arafa, W. M., & Abolhadid, S. M. (2018). In vitro activity of natural and chemical products on sporulation of *Eimeria* species oocysts of chickens. Veterinary parasitology, 251, 12-16.
- .22 El-Dakhly Kh, M., Arafa, W., Ghanem, S. S., Abdel-Fatah, O. R., & Wahba, A. A. (2018). Microscopic and molecular detection of *Theileria annulata* infection of cattle in Egypt. J. Adv. Parasitol, 5(2), 29-34.
- .23 Aboelhadid, S. M., Ibrahim, S. M., Arafa, W. M., Maahrous, L. N., Abdel-Baki, A. A. S., & Wahba, A. A. (2018). In vitro efficacy of *verticillium lecanii* and *beauveria bassiana* of commercial source against cattle tick, *rhipicephalus (boophilus) annulatus*. Adv. Anim. Vet. Sci, 6(3), 139-147.
- .24 Arafa, W. M., Hassan, A. I., Snousi, S. A. M., El-Dakhly, K. M., Holman, P. J., Craig, T. M., & Aboelhadid, S. M. (2018). *Fasciola hepatica* infections in cattle and the freshwater snail *Galba truncatula* from Dakhla Oasis, Egypt. J Helminthol, 92, 56-63.
- .25 Arafa, W. M., Holman, P. J., & Craig, T. M. (2017). Genotypic and phenotypic evaluation for benzimidazole resistance or susceptibility in *Haemonchus contortus* isolates. Parasitology research, 116(2), 797-807.
- .26 Hassan, K. M., Arafa, W. M., Mousa, W. M., Shokier, K. A., Shany, S. A., & Aboelhadid, S. M. (2016). Molecular diagnosis of *Eimeria stiedae* in hepatic tissue of experimentally infected rabbits. Experimental parasitology, 169, 1-5.

Awards and fellowships

- 1- Academic visitor, Monash University, Victoria, Australia biotechnology research laboratories unit at 9/2013-3/2014.
- 2- Borlaug fellowship, Texas A&M University, USA (21/3/2015 : 21/6/2015).
- 3- Fulbright postdoctoral fellowship, Texas A&M University, USA (21-2-2019: 21 – 8- 2019).

Memberships

Egyptian veterinary medical society of parasitology journal

International reviewing activities

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|---|---|
| 1- <i>The Journal of Veterinary Medical/ Science The Japanese Society of Veterinary Science</i> | /http://jsvetsci.jp/jvms |
| 2- <i>Austin Publishing group</i> | https://austinpublishinggroup.com/veterinary-science-research |
| 3- <i>Journal of Applied Pharmaceutical Science</i> | https://www.japsonline.com/index.php |
| 4- <i>Experimental and Applied Acarology</i> | https://www.springer.com/journal/10493 |
| 5- <i>Preventive Veterinary Medicine</i> | https://www.journals.elsevier.com/preventive-veterinary-medicine/editorial-board |
| 6- <i>PLOS ONE</i> - | https://journals.plos.org/plosone |


Links for research activities

[Beni-Suef University, Department of Parasitology,](#)

Beni Suef, Egypt

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[Research gate](#)

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google scholar

https://scholar.google.com/citations?user=WX6_svUAAAAJ&hl=en

<https://www.linkedin.com/in/waleed-arafa-3746a6170/?originalSubdomain=eg>

International meetings

- 1- Poster on Efficacy of a protective vaccine in young sheep. Australian society of parasitology. January 2015.
https://www.researchgate.net/publication/322277558_Efficacy_of_a_protective_vaccine_in_young_sheep
- 2- Oral presentation. International Babesiosis meeting (IBM-2) at Yale University April 17-18, 2019. New Haven, USA.
https://internationalbabesiosismeeing.files.wordpress.com/2019/02/internationalbabesiosismeeing_agendadetailedapril201902132019talks-1.pdf