

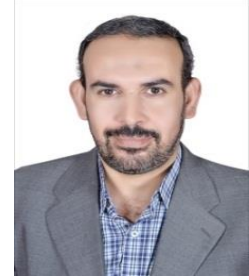
## CURRICULUM VITA

**Ahmed BahaaEldin NematoAllah Ahmed Darwish**

Zoology Department, Faculty of Science,  
Suez University, El Salam-1, 43533, Suez, Egypt

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### Personal Data:

**Address (Home):** 6-Abu shady St. Chest Hospital St. – Teraa St.  
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**Address (Work):** Zoology Department- Faculty of Science- Suez University-  
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### Languages & Computer Skills:

- ICDL
- TOEFL

### Academic Education:

Degree	Faculty	University	City	Country	Area	Date
Doctorate	Science	Suez Canal University	Ismailia	Egypt	Zoology Invertebrates & Medical Entomology	2012
Master	Science	Suez Canal University	Ismailia	Egypt	Zoology Invertebrates & Medical Entomology	2005
Pre-Master	Science	South Valley University	Aswan	Egypt	Zoology Parasitology & Immunology	1998

Bachelor	Science	South Valley University	Aswan	Egypt	Special Zoology	1996
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**Major Grade:** B.Sc. (Zoology) Very good, the First.

**Title of Ph.D. Thesis** STUDIES ON SOME FACTORS AFFECTING SUSCEPTIBILITY OF SANDFLIES TO INFECTION AND TRANSMISSION OF LEISHMANIA.

**Title of M.Sc. Thesis** ECOLOGICAL STUDIES OF LEISHMANIASIS VECTORS AND THE RESERVOIR HOST(S) IN SOME AREAS IN SUEZ GOVERNORATE.

### Relevant Experience:

Title	University	City /Country	Date
Associate Professor	Suez University Faculty of Science Zoology Department	Suez / Egypt	2022- up to now
Lecturer	Suez University Faculty of Science Zoology Department	Suez / Egypt	2012-2021
Assistant lecturer	Suez Canal University Faculty of Science Zoology Department	Suez / Egypt	2007-2011
Assistant lecturer	Suez Canal University Faculty of Education Biology Department	Suez / Egypt	2005-2006
Demonstrator	Suez Canal University Faculty of Education Biology Department	Suez / Egypt	2000-2004
Demonstrator	South Valley University Faculty of Science Zoology Department	Aswan / Egypt	1997-2000

### Teaching Experience:

Teaching (Both practically and theoretically) for undergraduate and postgraduate students in Zoology and Biology Departments, Faculties of Science and Education in Assuit, Aswan, Southvally, Suez Canal and Suez Universities, Egypt (1997 till now), has been mostly in the different Zoological Courses:

**Invertebrates – Parasitology – Immunology – Systematic Animals – Protozoa – Helminthes – Microbiology – Ecology – Behavior of Animals – Medical Entomology – Entomology – Marine Biology – Histology –**

**Cytology– Micro Techniques – Biological Techniques – Physiology – Embryology – Marine Fortunes – Vertebrates – Genetics – Evolution – Water Environment .**

**Published Research:**

- 1) El-Naggar MH, Shoukry NM, Soliman BA, **Darwish AB**, El-Sawaf BM. Ecology, Biology and Susceptibility of *Phlebotomus papatasi* to *Leishmania* Experimental Infection in Suez Governorate. J. Egypt. Soc. Parasitol., 36 (1): 127 – 138, **2006**.
- 2) Shoukry NM<sup>1</sup>, El-Naggar MH, **Darwish AB**, Soliman BA, El-Sawaf BM. Studies on Rodents Role as Reservoir Hosts of Leishmaniasis with Special Reference to their Ectoparasites in Suez Governorate. J. Egypt. Soc. Parasitol., 36 (1): 93 – 106, **2006**.
- 3) **Darwish AB**, Tewfick MK, Doha SA, Abo-Ghalia AH, Soliman BA. Vectorial competence of *Phlebotomus papatasi* (Diptera: Psychodidae) to transmit two old world *Leishmania* species: *Leishmania major* and *L. Tropica*. J Egypt Soc Parasitol., 41(3):565-72, **2011**.
- 4) **Ahmed B. Darwish** ; Maha K. Tewfick ; Saïd A. Doha ; Ahmed H. Abo-Ghalia and Belal A. Soliman. Morphological Diversity of Buccopharyngeal Armatures in Susceptible and Refractory Sandflies to *Leishmania major*. Egypt. Acad. J. Biolog. Sci., 10(2): 15– 24, **2017**.
- 5) Hani S. Hafez, **Ahmed B. Darwish** and Islam M. Hamza. Neuroanatomical variability in the distribution of glycogen, collagen, Perineural glial cells among some Aves species inhabiting Egypt: Evidence for their role in cognitive behaviors. Middle East Journal of Applied Sciences, Volume: 07, Issue: 04, Pages: 857-869, **2017**.
- 6) Shawky M. Aboelhadid, Saeed El-Ashram, Khaled M. Hassan, Waleed M Arafa, **Ahmed BahaaEldin Darwish**. Hepato-protective effect of curcumin and silymarin against *Eimeria stiedae* in experimentally infected rabbits. Livestock Science, 221, 33–38, **2019**.

- 7) Lamjed Mansour, J. Zhang, Heba M. Abdel-Haleem, **Ahmed B. Darwish**, Saleh Al-Quraishy, Abdel-Azeem S. Abdel-Baki. Ultrastructural description and phylogeny of a novel microsporidian, *Glugea eda* n. sp. from the striated fusilier, *Caesio striata*, in the Red Sea off Saudi Arabia. Acta Tropica 204-105331, **2020**.
- 8) Saeed El-Ashram, Walid M Arafa, Shawky M Abolhadid, Sahar M Gadelhaq, **Ahmed B. Darwish**, Abdel-Razik H Abdel-Razik, Heba Abdel-Tawab. Infection of chicken by ethanol-treated oocysts of Eimeria spp. induces partial protection against challenge. Baltica Journal, Vol. 33, no.5, **2020**.
- 9) Shawky M. Aboelhadid, Waleed M. Arafa, Saeed El-Ashram, Asmaa Fathy Noaman, Khalid A. Shokier, **Ahmed B. Darwish**, Morad M. Mahmoud · Sahar M. Gadelhaq. Haemochus contortus susceptibility and resistance to anthelmintics in naturally infected Egyptian sheep. Acta Parasitologica, <https://doi.org/10.1007/s11686-020-00284-1>, **2020**.
- 10) S.E. Ahmed, A.A. Taeleb, S. Z. Arafa, S. S. Syam, **Ahmed B. Darwish**. Ultrastructural observations on the tegumental surface of Polyonchobothrium clarias Woodland, 1925 (Cestoda: Bothriocephalidae), infecting the catfish Clarias gariepinus in Egypt. Bulletin of Faculty of Science - Zagazig University, <https://doi.org/10.21608/bfszu.2021.16745.1010>, **2021**.
- 11) **Ahmed B. Darwish**, Mahmoud H. Mohamed, Arafah M. Emam, Doaa B. Darwish, Mostafa A. M. Mahmoud. Indoor Aquaria and Offshore Cages Bacterial Disease of Cultivated Giant Clam. Egyptian Journal of Aquatic Biology & Fisheries, ISSN 1110 – 6131, Vol. 25(3): 383 – 394, **2021**.
- 12) Lamjed Mansour, Heba M. Abdel-Haleem, Marwa Atwa, **Ahmed B. Darwish**, Saleh Al-Quraishy and Abdel-Azeem S. Abdel-Baki. A new myxozoan parasite, Myxobolus allami sp. n. (Myxozoa: Myxobolidae) from the intestinal wall of Sparidentex hasta (Valenciennes) in Arabian Gulf. Institute of Parasitology, Biology Centre CAS, Folia Parasitologica, 68: 017, [doi: 10.14411/fp.2021.017](https://doi.org/10.14411/fp.2021.017), **2021**.
- 13) Arafah M Emam, Asmaa W Soliman, Mahmoud A Mohamed, Ahmed Omar Gadallah, Nahla Hossam Eldin Ahmed and **Ahmed BahaaEldin Darwish**.

- Survey of major fish pathogens and their prevalence in the fishing area of Shalateen, Red Sea, Egypt. *International Journal of Fisheries and Aquatic Studies* 9(6): 152-156, **2021**.
- 14) Doaa B. Darwesh, Yahya S. Al-Awthan, Imadeldin Elfaki, Salem A. Habib, Tarig M. Alnour, **Ahmed B. Darwish** and Magdy M. Youssef. Anticancer Activity of Extremely Effective Recombinant L-Asparaginase from *Burkholderia pseudomallei*. *J. Microbiol. Biotechnol.* 32(5): 551–563, <https://doi.org/10.4014/jmb.2112.12050>, **2022**.
- 15) Darwish, D. B., Alrdahe, S. S., Al-Awthan, Y. S., Elfaki, I., Alnour, T. M., **Darwish, A. B.**, Saad, E. A., Alharbi, B. M., Habeb, S. A., & Youssef, M. M. Overexpression, biochemical characterization, and anticancer activities of L-asparaginase from *Bacillus subtilis*. *International Journal of Health Sciences*, 6(S8), 1731–1752, <https://doi.org/10.53730/ijhs.v6nS8.11477>, **2022**.
- 16) Doaa B. Darwish, Salma S. Alrdahe, Yahya S. Al-Awthan, Imadeldin Elfaki, Tarig M. Alnour, **Ahmed B. Darwish**, Entsar A. Saad, Salem A. Habeb, Magdy M. Youssef. Purification, Molecular Characterization, and Anticancer Activities of L-Asparaginase extracted from *Staphylococcus aureus*. [10.21608/EJCHEM.2022.148929.6434](https://doi.org/10.21608/EJCHEM.2022.148929.6434), **2022**.
- 17) Mohamed M.M. Toutou, **Ahmed B.E. Darwish**, Abdel Razik H. Farrag, Shimaa R. A. Abo Daif. Effect of seasons and location on the carpet shell clams *Donax semistriatus* (Mollusca: Bivalvia), Mediterranean Sea coast, Egypt. *Egyptian Journal of Aquatic Biology & Fisheries, Zoology Department, Faculty of Science, Ain Shams University, Cairo, Egypt*, ISSN 1110 – 6131, Vol. 26(3): 801 – 815, [www.ejabf.journals.ekb.eg](http://www.ejabf.journals.ekb.eg), **2022**.
- 18) Howayda E. Khaled, Joliet Ayad Hanna Kamel, Nahla Mahmoud M. Shoukry, **Ahmed Bahaa Eldin Darwesh**, Nagui Hassan Fares. Therapeutic Potential of *Withania somnifera* Extract on Experimental Model of Arthritis in Rats: Histological Study. *Frontiers in Scientific Research and Technology*, 4, 82 – 90, **2022**.

**Project:**

- Overexpression, purification, immobilization and characterization of L- asparaginase as anticancer agent from thermophilic microorganism.

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### **Supervision:**

- PHD in Education (Curriculum & Instruction of Science):  
The Effectiveness of a Suggested Program in Health Education in Light of the Brain-Based Learning Theory in Developing the Habits of Mind and Health Awareness among Students of the Faculty of Education.
- Intel ISEF a Program of Society for Science and the Public, 2010- until now.
- PHD in Science:  
Isolation and characterization of natural antifouling compounds from some marine invertebrates in the Suez Canal.
- PHD in Science:  
Molecular, biological and parasitological investigation of family mugilidae along selected sites of the Egyptian.
- PHD in Science:  
Potential Anti-inflammatory Activity of Ashwagandha Roots Extract in Freund's Adjuvant Induced Rheumatoid Arthritis in Rats.
- MSD in Science:  
Histological and biological studies on bivalve (*Donax* spp) along the Mediterranean Sea coast between Rosetta and El Madya, Egypt.

### **Current duties:**

- Teaching Zoology for: Undergraduate and Postgraduate students.
- I am researcher in the field of Zoology (Parasitology, Immunology, Invertebrates, Medical Entomology and Neurology).
- Active member in Egyptian Society of Natural Toxins.

- Active member in The Egyptian German Society of Zoology.
- Active member in Egyptian Society of Parasitology.
- Active member in Union of Arab Biologists.
- Active member in Parasitological society.
- Active member in applied Biotechnology and Immunology society.
- Active member in Egyptian Society of Experimental Biology.
- Active member in Environmental committee society.
- Active member in Ecology, Vector/control diseases, Leishmaniasis.
- Active member in accreditation.

### **Hands-on Experience:**

- Cultivation of *Leishmania* parasite.
- Infection and transmission of *Leishmania*.
- Isolation and identification of *Leishmania*.
- Colonization of different sand fly species.
- Identification of sand fly to species level.
- Establishment of sand fly colony inside Lab.
- Field trips and studies.
- Records, laboratory forms and tables / notebooks.
- Electron microscopy.
- PCR, RT-PCR and ELISA.
- Biotechnology and molecular techniques.
- Micro injection.
- SPSS and biostatistician programs.
- Microtome and slide preparations.
- Animal cure.
- Insecurity (Biological safety).
- Anatomy.

### **The Conferences and Training Program Attended:**

- 16<sup>th</sup> Zoology International Conference, Suez Canal University - El Aain Sokhna - Suez – Egypt, March 5- 9, 2006.
- 14<sup>th</sup> Union of Arab Biologists Conference, Suez Canal University – El Aain Sokhna - Suez – Egypt, April 15- 19, 2007.
- 1<sup>st</sup> Annual Meeting of the Middle – Eastern Association for Cancer Research (MEACR): Cancer Research from Bench to Clinic, Tanta University –Tanta- Egypt, December 27-28, 2011.
- Participation in the training program for the preparation and rehabilitation of teachers of science and mathematics for teaching in English, Management of public schools and distinct languages, Suez, Egypt, from 9-5-2015 to 16- 6- 2015.
- Participation in the training program for the preparation and rehabilitation of teachers of science and mathematics for teaching in English, Management of public schools and distinct languages, Suez, Egypt, from 29-8-2015 to 4- 10- 2015.
- For Assistance in Practical Training Part in The Workshop Entitled: Safe Use of Experimental Animals and Their Applications in Scientific Publishing, Suez University, Suez, Egypt, Monday, March, 21th, 2016,.
- Arbitration in the Anatomy Competition held at the Suez Exploration Center for Science and Technology, Suez, Egypt, 24-8-2016.
- Program of Ethics of Scientific Research, Center for the development of university performance, Suez University, Suez, Egypt, 13-11-2017 to 14-11-2017.
- International Publication Program for Scientific Research, Center for the development of university performance, Suez University, Suez, Egypt, 5-2-2018 to 6-2-2018.
- Academic Extension Program and Student Support, Center for the development of university performance, Suez University, Suez, Egypt, 12-3-2018 to 13-3-2018.
- Participating in the organization of the fifth week of youth university cities of Egyptian universities, Suez University, Suez, Egypt, September 2018.

### **Workshops:**

- Training and Search in Research & Training Center on Vectors of Diseases (RTC), Ain Shams University, Egypt, 2000 - until now.



Statistical Analysis and the use of SPSS Program, The Art of Statistical Analysis, in Research & Training Center on Vectors of Diseases (RTC), Ain Shams University, Egypt, September 2- 6, 2001.

- Applications of Diagnostic Molecular Biology, Polymerase Chain Reaction (PCR) in Research & Training Center on Vectors of Diseases (RTC), Ain Shams University, Egypt, February 17- 20, 2002.
- Professional Preparation of Teacher Education University (Effective teaching - Use of technology in teaching - Teaching mini), Suez Canal University - Suez – Egypt, 18/5- 2/6/2005.
- Educational Session for Teaching Staff in Universities, Institute of Preparing Leaders in Helwan, the Ministry of Higher Education, Egypt, 18-23/11/2005.
- Morals and Ethics in Universities, Suez Canal University - Suez – Egypt, 11-12/2/2006.
- Effective Communication Skills, Suez Canal University - Suez – Egypt, 18-20/2/2006.
- Development of Thinking Skills, Suez Canal University - Suez – Egypt, 27-29/6/2006.
- Human Rights Basics (I) Training Course, Suez Canal University - Suez – Egypt, November 6- 12, 2007.
- Human Rights Basics (II) Training Course, Suez Canal University - Suez – Egypt, August 17- 20, 2008.
- Methods of Scientific Research, Suez Canal University - Suez – Egypt, 15-17/6/2008.
- Morals and Professional Ethics in Universities, Suez Canal University - Suez – Egypt, 18-20/6/2008.
- Quality Standards in the Teaching Process, Suez Canal University - Suez – Egypt, 23-25/6/2008.
- Training in the Field of Leishmaniasis and Sand fly at the vector Biology Research Program, in the U.S. Naval Medical Research Unit No.3, Cairo – Egypt, from February, 2009 to March, 2010.

- Advanced Human Rights Training Course Resource Persons Part I, El Aain Sokhna - Suez – Egypt, March 14- 17, 2009.
- Advanced Human Rights Training Course Resource Persons Part I, El Aain Sokhna - Suez – Egypt, April 2- 4, 2009.
- Human Rights Training for selected Egyptian University Faculties (Basic and Advanced) Levels, Egypt, August 17, 2009.
- Forum for the Final Program of the International Law of Human Rights (IHRLOP, AUC, UNDP, USAID, BENAA, Egyptian Foreign Ministry), Cairo, Egypt.
- The 1<sup>st</sup> International Workshop on Genetic Transformation Systems in Insects, Suez, Egypt, July 12- 17, 2009.
- Human Rights Camps Scientific Faculties, Alexandria – Egypt, July 19- 21, 2009.
- Polymerase Chain Reaction (PCR) and Real-Time PCR (RT-PCR), in Research & Training Center on Vectors of Diseases (RTC), Ain Shams University, Egypt, January 18, 2010.
- Immunological Techniques, in Research & Training Center on Vectors of Diseases (RTC), Ain Shams University, Egypt, January 21, 2010.
- Activate the E-mail to University Faculty Members and the Production of E-courses and Initiative Providing Educational Resources and Digital Library and Digital Media Library, Suez, Egypt, February 2012.
- Ethics of scientific research and applications in the service of society , Tanta University, Egypt, April 2012.
- How to turn your research idea into a fundable project, Cairo University, Egypt, June 2012.
- How to prepare and write research projects supported by the Science and Technology Development Fund, Faculty of Science, Suez University, Egypt, May 13, 2013.
- Preparation of Qualified Expertise in EIA of Developmental Projects, Faculty of Science, Ain Shams University, Egypt, June 24-26, 2013.

- Introduction to Bioinformatics, Polymerase Chain Reaction and Applications of Statistics in Scientific Research, Faculty of Science, Suez University, Egypt, December 2, 2013.
- Updates in Cytopathology of the Female Genital Tract, Medical Research Division, National Research Center, Egypt, December 18-19, 2013.
- 2<sup>nd</sup> Workshop on Chemical Safety and Security Industrial Perspective, Suez University, Suez, Egypt, September 7-11, 2014.
- 3<sup>rd</sup> Training Workshop on Workplace Radioactivity Materials Safety and Security, 8-10, September, Suez University, Suez, Egypt, 2015.
- Stem Cell Culture and Characterization, 31 October & 1 November, 2015, Faculty of Medicine, Suez Canal University, Ismailia, Egypt.