



Faculty of Veterinary Medicine



Assiut University

Curriculum Vitae

Alamira Marzouk Fouad Mohamed

BVSc, MVSc, PhD

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Education

2016-2020: Ph.D. of Fish diseases and Management, Department of Aquatic Animal Medicine and Management, Faculty of Veterinary Medicine, Assiut University, Assiut, Egypt.

2012-2016: Master of Veterinary Medical Science (M.V.Sc), Department of Aquatic Animal Medicine and Management, Faculty of Veterinary Medicine, Assiut University, Assiut, Egypt.

2006-2011: Bachelor of Vet. Science (B.V.Sc) (Excellent with Honour degree), Faculty of Veterinary Medicine, Assiut University, Assiut, Egypt.

Professional experience

March 2020 until now: Lecturer at Department of Aquatic Animal Medicine and Management, Faculty of Veterinary Medicine, Assiut University, Egypt. Also, a supervisor on a Ph.D. student and a master student.

November 2016: Assistant Lecturer at Department of Aquatic Animal Medicine and Management, Faculty of Veterinary Medicine, Assiut University, Egypt.

February, 2012: Demonstrator at Department of Aquatic Animal Medicine and Management, Faculty of Veterinary Medicine, Assiut University, Egypt.

List of publications

- **Fouad, A. M.**, Soliman H., Abdallah E.S.H., Ibrahim S., El-Matbouli M., Elkamel A.A. (2019). "In-vitro inhibition of spring viremia of carp virus replication by RNA interference targeting the RNA-dependent RNA polymerase gene." Journal of virological methods 263: 14-19.
- **Fouad, A. M.**, Elkamel A.A., Ibrahim S., El-Matbouli M., Soliman H., Abdallah E.S.H. (2022). " Control of spring viremia of carp in common carp using RNA interference." Aquaculture 559: 738417.
- Abdallah S. Salah, sahar elnaggar, Ahmed Elsheshtawy, Ibtesam Al-Dhuayan, **Alamira M. Fouad**, Mashael Alnamshan, Hossam Kadira, Nouf Khalifa Alaqeel, Set Abdel Salam El-Shobokshy, Mustafa S. Atta, Hanan H. Abd ElHafeez (2022). " Exploring the multimodal role of Cnicus benedictus Extract in the modulation of growth, hematobiochemical, histopathological, antioxidative performance, and immune-related gene expression of Oreochromis niloticus challenged with Aeromonas hydrophila. Front. Mar. Sci., Sec. Aquatic Physiology Volume 9 | <https://doi.org/10.3389/fmars.2022.993616>.
- Abd, E.S.M., Gareh, A., Mohamed, H.I., Alrashdi, B.M., Dyab, A.K., El-Khadragy, M.F., Khairy Elbarbary, N., **Fouad, A.M.**, El-Gohary, F.A., Elmahallawy, E.K., Mohamed, S.A., 2023. Prevalence and Morphological Investigation of Parasitic Infection in Freshwater Fish (Nile Tilapia) from Upper Egypt. Animals : an open access journal from MDPI 13.
- Elbialy, Z.I., Salah, A.S., Elsheshtawy, A., Elkatatny, N.M., **Fouad, A.M.**, Abo-Al-Ela, H.G., 2023. Differential tissue regulation of nrf2/keap1 crosstalk in response to Aeromonas infection in Nile tilapia: a comparative study. Aquaculture International. Academic Press 1, 618–619.
- ROMEIH, N., ABDALLAH, E.S.H., MAHMOUD, M.M., ELKAMEL, A.A., **FOUAD, A.M.**, 2023. EXPRESSION PROFILE OF TUMOR NECROSIS FACTOR ALPHA DURING SPRING VIREMIA OF CARP VIRUS INFECTION IN NILE TILAPIA. J Assiut Veterinary Medical Journal. 69, 122-131
- **Fouad, A.M.**, Abd El-Lateif, R.S.A., Abo-Al-Ela, H.G., Abdel-Hakeem, S.S., 2023. Cytotoxicity and immunological impact of Trypanosoma sp. infection on blood parameters of wild African catfish, Clarias gariepinus. Parasitology Research 123, 10

- Abd, E.S.M., Dyab, A.K., Mahmoud, A.E., Mohamed, S.M., **Fouad, A.M.**, Gareh, A., Asseri, J., Dahrn, N., Alzaylaee, H., Albisihi, H.M., Abd Elrahman, A.M., Alsharif, F.M., Mostafa, H., Hamad, N., Elmahallawy, E.K., Elossily, N.A., 2024. Therapeutic effects of myrrh extract and myrrh-based silver nanoparticles on *Trichinella spiralis*-infected mice: parasitological, histopathological, and immunological (IFN- γ , IL-10, and MMP-9) investigations. *Frontiers in veterinary science* 11, 1433964.
- **Fouad, A.M.**, Abo-Al-Ela, H.G., Negm, E.A., Abdelhaseib, M., Alian, A., Abdelsater, N., Said, R.E.M., Anwar, F.A.S., Assar, D.H., Mohamed, S.A.-A., Impact of *Polyonchobothrium magnum* on health and gut microbial ecology of African catfish (*Clarias gariepinus*): Insights from morphological, molecular, and microbiological analyses. n/a, e14013.

Presentations at scientific meetings

- **Alamira Marzouk Fouad**, Ebtsam S. H. Abdallah, Hatem Soliman, Ahmad A. Elkamel E. Control of Spring Viremia of Carp in Fish Using RNA Interference. The 18th Annual Scientific Conference, Young Researchers Symposium, the Faculty of Veterinary Medicine, Assiut University. November 5-7, 2019.
- **Alamira M. Fouad**, Hatem Soliman, Ebtsam S. H. Abdallah, Ahmad A. Elkamel E. Using RNA Interference to Control Infections. The 17th Annual Scientific Conference, Young Researchers Symposium, the Faculty of Veterinary Medicine, Assiut University. December 6-8, 2016.

Grants

2016, April. Developing and quantifying the laboratories of the Aquatic Animal Medicine Unit (AAMU) for international accreditation.

Job title: Document Controller

Dissertation

- Master of Veterinary Medical Science (M.V.Sc) entitled in “Use of RNA Interference to control the Spring Viremia of Carp Virus”
- Ph.D. of Fish diseases and Management, entitled in “Control of Spring Viremia of Carp in Common Carp Using RNA Interference”

Lab. Experiences

- Maintenance of cell lines and virus inoculation

- Small interference RNA (siRNA) design and application
- Cell lines transfection
- RNA, DNA extraction
- PCR and Real-time PCR
- Isolation and identification of bacteria
- Use of nanoparticles to control bacterial infection
- Detection of parasitic infestation

Teaching Experience and Activities

- Teaching of fish farming courses for 5th level students at Faculty of Veterinary Medicine, Assiut University
- Teaching of fish anatomy and fish taxonomy for the 4th level students of the faculty of Veterinary Medicine, Assiut University.
- Teaching of the diagnosis of bacterial, parasitic, viral and environmental diseases of fish courses for the 4th and 5th level students of the faculty of Veterinary Medicine, Assiut University.
- Teaching of molecular techniques for 5th level students of the faculty of Veterinary Medicine, Assiut University.
- Sharing in lab work with the postgraduate students who apply for Master and PhD Degree.
- Performing a lot of tests in the diagnostic service provided by the Aquatic Animal Medicine Unit (AAMU).
- A staff member in the summer training programs for students at Assiut Governorate.

Projects

- Researcher in the Research Project funded by Science and Technology Development Fund (STDF) which entitled in “RNA Interference (RNAi) as a Potential Control for Spring Viremia of Carp Virus in cultured Carp and tilapia fish” supported

Attended programs/ workshops

- Training program: Statistical Analysis in Scientific Research (SPSS) (15 hours from 26 – 27 February 2024), Faculty and Leadership Development Center – Assiut University (Certify).

- Training program: Self-Study Preparation of the Educational Institution (15 hours from 21 – 23 February 2024), Faculty and Leadership Development Center – Assiut University (Certify).
- Training program: Legal Aspects of Universities (15 hours from 21 – 22 February 2024), Faculty and Leadership Development Center – Assiut University (Certify).
- Training program: Credit Hour System (15 hours from 30 – 31 January 2024), Faculty and Leadership Development Center – Assiut University (Certify).
- Training program: Effective Communication Skills (15 hours from 29 – 31 January, 24), Faculty and Leadership Development Center – Assiut University (Certify).
- Workshop: attendance and participation at the Liverpool John Moores University – Chiang Mai University Virtual Veterinary Vaccine (from 6-7 may, 2021) (certify).
- Workshop: Medical Fungi (from 4-8 November, 2018), Assuit University Moubasher Mycological centre (AUMMC) (certify).
- Training program: How to Design the E-coure (15 hours from 2 – 3 April, 2017), Faculty and Leadership Development Center – Assiut University (Certify).
- Training program: Quality Standards in Teaching 1 (15 hours from 23 – 24 April, 2017), Faculty and Leadership Development Center – Assiut University (Certify).
- Training Program: Preparation of the lecturer no. 56 (54 hours from 28 January – 2 February, 2017) (Certify).
- Workshop: Enzyme Linked Immuno-sorbent Assay (ELIZA) Principles and different applications (from 30 November - 1 December, 2016), Molecular Biology Research Unit of Assiut University (Certify).
- Training program: Strategic Planning (15 hours from 27 – 28 November, 2016), Faculty and Leadership Development Center – Assiut University (Certify).
- Training program: Design and Conduct Scientific Research (15 hours from 20-21 November, 2016), Faculty and Leadership Development Center -Assiut University (Certify).
- Training program: Research Team Management (15 hours from 13 – 14 November, 2016), Faculty and Leadership Development Center – Assiut University (Certify).

- Learning of cell culture and virus propagation (from 10- 25 August, 2014), Institute of Serums and Vaccines, Egypt (Certify).
- Workshop: From Gene to Protein (from 31March - 2-April, 2014), Molecular Biology Research Unit of Assiut University (Certify).
- Training program: Time and Conference Management (15 hours from 18 – 20 January, 2014), Faculty and Leadership Development Center – Assiut University (Certify).
- Training program: Conferences Organization (15 hours from 11 – 13 January, 2014), Faculty and Leadership Development Center – Assiut University (Certify).
- Training program: How to Compete for a Research Fund (15 hours from 4 – 5 January, 2014), Faculty and Leadership Development Center – Assiut University (Certify).
- Training program: Statistical Analysis Using SPss in 21Desmber, 2013, Training center for Information and Communication -Assiut University) (Certify).
- Training program: International Publishing of Research 15 hours from 28 - 30 April, 2012), Faculty and Leadership Development Center (FLDC, Assiut University (Certify).
- Training program: Code of Ethics (15 hours from 21 - 23 April, 2012), Faculty and Leadership Development Center (FLDC, Assiut University) (Certify).
- Use of Technology in Learning (15 hours from 7 - 9 April, 2012), Faculty and Leadership Development Center (FLDC, Assiut University) (Certify).
- Sharing in the young Arab voices training on debating skills and advocacy (Certify).

Languages

- English Language
 - Local TOEFL: score (470)
 - ILETS: score (6)

Awards

- A certificate for the participation in the 19th Scientific Congress Veterinary Medicine and Egypt Vision 2030 organized by Faculty of

Veterinary Medicine, Assiut University and Faculty of Veterinary Medicine, Badr University in the period from 4 to 5 March 2024.

- The prize of Assiut University for the best master thesis in the agricultural and veterinary sciences for years 2019 and 2020.
- The prize of the best research in young researcher scientific session at the 18th Annual Scientific Conference at the Faculty of Veterinary Medicine, Assiut University in the period from 4 to 7 November, 2019.
- The prize of the best research in young researcher scientific session at the 17th Annual Scientific Conference at the Faculty of Veterinary Medicine, Assiut University in the period from 6 to 8 December, 2016.
- The prize of the best poster presentation at the First Annual Student Research Conference of Assiut Veterinary Students Scientific Association held in Faculty of Vet. Med., Assiut University and organized by AVSSA in 23 November, 2010.

References

Prof. Dr. Ahmad Abd Elhady Elkamel, Professor of Aquatic Animal Medicine and Management Departement, Faculty of Veterinary Medicine, Assiut University, Egypt - aelkamel@aun.edu.eg

Prof. Dr. Hatem Soliman, Professor of Aquatic Animal Medicine and Management Departement, Faculty of Veterinary Medicine, Assiut University, Egypt – hatem.soliman@aun.edu.eg

Details of courses, degrees and certification are available upon request.