



Curriculum Vitae

Dr. Marawan Adel Marawan

B.V.SC, M.V.SC., Ph. D., Associate Professor of Infectious Diseases, Faculty of Veterinary Medicine, Benha University, Egypt

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Personal Data

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Nationality: Egyptian.

Birth date: 15 / 07 / 1986.

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Gender and Marital status: Male & Married.

Military status: End military service at 1 \ 9 \ 2010.

Personality description: Hard worker, cooperative and self-dependent.

Driving license: Valid.

Main field: Veterinary infectious diseases (**Molecular biology of virus & bacteria and proteomics**).

Educational Background

- 2008** Bachelor of Veterinary Medicine, faculty of veterinary medicine, Benha University.
- 2012** Master of Veterinary Sciences, Animal Medicine Dep., Benha University “**Epidemiological studies on RVF disease in Egypt**”.
- 2017** Ph.D. Channel system scholarship (Egypt- Japan) “**Molecular studies on bovine leukemia virus**”.

Professional Positions

- 2008 - 2012** Demonstrator in Animal Medicine Department, Benha University
- 2012 - 2014** Assistant Lecturer, Animal Medicine Department, Benha University.
- 2014 - 2017** Member of governmental channel system mission for PhD at Japan.
- 2017** Lecturer, Animal Medicine Depart., Benha University.
- 2019-2021** Postdoctoral fellow from higher education government at the republic peoples of **China**.
- 29/06 /2022** Associate professor, Animal Medicine Depart., Benha University.

Carrier Objective, Research Area and Professional Techniques

To contribute relevant experience & education background to my working field including:

- Real-time PCR, Conventional PCR and Electrophoresis.
- Sequence data analysis.
- Basic of bioinformatics.
- Primer and probe sequence design.
- DNA and RNA extraction.
- Protein extraction, purification and proteomics Technique.
- Spectrophotometry.
- Enzyme linked immuno-sorbent assay (ELISA).
- Hematological analysis.
- Experimental Design consultant (designing experimental research).
- Virus isolation, titration, and purification.

Post-doctoral Experience

- Post-doctoral researcher in “**Key State Laboratory of Agricultural Microbiology, Huazhong Agricultural University, Wuhan City, Hubei Province 430070, China**” for 2 years during the period from March 1st, 2019, to February 28th, 2021.

Teaching and Academic Responsibilities

Undergraduate Teaching and Examination Duties:

- Participated in the teaching and assessment of both theoretical and practical courses in *Infectious Diseases* for fourth- and fifth-year undergraduate students, including those enrolled in special academic programs at the faculty.

Postgraduate Teaching and Examination Duties

- Contributed to the delivery and evaluation of theoretical and practical courses in *Infectious Diseases* for postgraduate students at the faculty.

Clinical Training Supervision

- Supervised clinical training activities for final-year students conducted on farms, in veterinary units, and during veterinary outreach convoys across villages in Qalyubia Governorate.

Educational Materials Development

- Assisted in the preparation of theoretical and practical textbooks and teaching materials for the Infectious Diseases course, tailored for both regular and special undergraduate programs.

Student Laboratory Supervision

- Participated in the supervision and management of the student laboratory within the faculty.

Professional Societies and Associations

- Member of the Sub-Association of Veterinarians at Qalyubia province.
- A member of Animal infectious diseases and prevention association in Japan since 2015.
- Member of the General Syndicate of Veterinarians at Cairo.
- A member of Egyptian Society of Cattle Diseases since 2006.
- A member of national Committee of Biological Science (ASRT, Egypt).
- Member of “**Reviewer board**” of ruminant science journal, ANAD PUBLISHING, India to review manuscript related to molecular biology from 2017 till 2019.

Language Skills

Language	Reading	Speaking	Writing
Arabic	Excellent	Excellent	Excellent
English	Very good	Very good	Very good
French	fair	fair	fair

Computer and Internet Skills

- International computer driver license (ICDL) certification (word. Access, excel, PowerPoint, internet, information technology, using the computer and managing files) 16/10/2012 SN. EGY001090721.
- Skillful Statistical analysis using Excel, SPSS.
- Professional image using Adobe Photoshop.

Activities in Faculty/University/Community

Year	Name of activity
2010-2014	Treatment of animal diseases in Vet Teaching hospital.
2010-2014	Treatment of animal diseases in surrounding community (through official convoys and field trips).
(2009)	A member of CIQAP project.
2009-2014	Trainer for Veterinary doctors at the training centers and clinics.
2015 – 2017	Channel system scholarship to Japan for PhD.
2019 - 2021	Postdoctoral fellow, Huazhong agriculture univ., China

Research Projects

1. **Co-investigator** of project entitled "Ecosmart Alternative Control Strategies against *T. annulata* and its Tick Vectors. LEAP-Agri Call - Research and Innovation for food and nutrition security and sustainable agriculture in Africa and Europe". (finished).
2. **Co-investigator** of project entitled "Prevalence and molecular diagnosis of bovine leucosis in Kalybia governorate". National project funded by Benha university (Finished).
3. **Co-investigator** of project entitled (Developing the veterinary diagnostic laboratory at the faculty of veterinary medicine and preparation it for accreditation according to the specification of (ISO /IEC 17025)

Society and Environmental Development

1. Participation in the activities of the second regional week for environmental protection in Qalyubia Governorate in June 2007
2. Participation in the activities of the fourth regional week for environmental protection in Qalyubia Governorate in June 2009.
3. Active participation in the free veterinary guideline convoys within the university's community service plan
4. Participation in clinical training for students of different grades and programs at the vete. hospital in the college within the university's community service plan
5. Supervision of the college farm in accordance with the schedule established for the supervision of the scientific departments on the farm.
6. Participation in the organization of job fairs organized by the Graduates Unit of the College during the period from 2017 to 2018.
7. Participation in the field visits that were held according to the university's community service plan.
8. Member of the Committee on Community Service and Environmental Development Affairs.
9. Adviser to the student initiative "Vet United" to control infectious diseases and advance the role of veterinary medicine in community service from 2017 to 2019.

National Authority for Education Quality Assurance and Accreditation Activities

1. Education quality coordinator of the Department of Animal Medicine, Faculty of Veterinary Medicine, Benha University, as part of the activities of applying for accreditation of the faculty.
2. Participation in the college accreditation from the National Authority for Education Quality Assurance and Accreditation in 2013.
3. Coordinator for the "Academic Standards and Educational Programs" standard in the Quality Assurance Unit at the Faculty of Veterinary Medicine, Benha University, as part of the activities of applying for re-accreditation of the college.
4. Participation in writing the college's self-study as part of the activities of applying for re-accreditation of the college.
5. Participation in the renewal of the college accreditation from the National Authority for Quality Assurance and Accreditation of Education in October 2020.

Scientific Excellence

- Obtaining many certificates of appreciation on the Scientific Excellence Day organized by Benha University in the field of scientific research and international publication 2017-2023.

Scientific Books

Participate in the following books:

1. Volume I: Infectious Diseases of Equines, Camels, and Pet Animals.
2. Volume II: Infectious Diseases of Cattle, Buffaloes, Sheep, and Goats.
3. Volume III: Practical Notes in Infectious Diseases.

Professional Meeting and Conferences

1. Attended and participated by a paper (**Epidemiological studies on RVF disease in Egypt**) in the first scientific conference for young youth researchers at the Faculty of Veterinary Medicine, Benha University, entitled "**Advances in Scientific Research**" on Sunday 31/3/2013.
2. Attending the 7th international conference of veterinary research division "**Development of animal wealth: Challenges and solutions**" National research center, Cairo, Egypt, December 2017.
3. Attended the Sixth Scientific Conference of the Faculty of Veterinary Medicine, Benha University, under the title "**The future prospective for veterinary medicine in sustainable development**" from July 31th to August 4th 2018 at Sharm El Sheikh.
4. Attended the 7th Scientific Conference of the Faculty of Veterinary Medicine, Benha University, under the title (**Climate changes and the future of animal wealth** "Challenges and Prospects") from July 24th to 27th July 2022 at Ain Sokhna, Egypt.
5. Member of organization team of the 7th Scientific Conference of the Faculty of Veterinary Medicine, Benha University, under the title (**Climate changes and the future of animal wealth** "Challenges and Prospects") from July 24th to 27th July 2022 at Ain Sokhna, Egypt

Workshops, Training and Courses

1. Attending a training course on "Practical Application of Sales and Marketing Skills" held at Cairo University from July 7th to August 2nd, 2007.
2. Attending a workshop in the international publication of scientific research to contribute to raising the international ranking of the university and college.
3. Attending a workshop in the strategic planning as one of the development goals in educational institutions.
4. Attending a workshop in the specifications of the exam paper in accordance with the academic standards and the intended learning outcomes.
5. Attending a workshop on intellectual property rights and their role in developing scientific research.
6. A training course entitled "Polymerase Chain Reaction" on the devices in the biotechnology unit in the central laboratory of the Faculty of Veterinary Medicine, in the period from January 26th to 28th, 2014.
7. Attending a workshop entitled "Advanced Techniques in Pathology", held at the Faculty of Veterinary Medicine, Beni Suef University, from 4 to 8 May 2014.
8. Attending a training course entitled "International Strategic Prevention of Animal Infectious Diseases" held at the Animal Disease Control Center at University of Miyazaki, Japan, in November 2015.
9. Attending a workshop in introduction about the Egyptian Knowledge Bank (EKB), which was held at the Faculty of Veterinary Medicine, Benha University on February 7th, 2018.
10. Attending a training course organized by Cairo DAAD Academy under the title "How to present the scientific data" on November 13th, 2018.
11. Attending a training course organized by Cairo DAAD Academy under the title "Writing a Research Proposal for Post-Doc" on December 17th, 2018.

12. Attending a workshop entitled "Surgical and irreversible sterilization of animal", which was given by Dr. Jay Ko, Professor at the University of Illinois, USA, and held at the Faculty of Veterinary Medicine, Benha University on December 19th, 2018.
13. A training course in self-assessment and its role in developing the quality of the educational process from 12th to 14th February 2019.
14. A training course entitled "PCR and RT-PCR and its applications in diagnosis of diseases and genetic improvement" at the Central Laboratory, Faculty of Veterinary Medicine, Benha University in February 2019.
15. Attending and organize scientific workshop entitled "**Climate changes and its effect on aquatic life and fisheries**" at 14 / 06 / 2022.
16. Member of the organization team of scientific workshop entitled "**Climate changes and its effect on aquatic life and fisheries**" at 14 / 06 / 2022.
17. Attending a workshop about (SWOT analysis for the new strategic plan 2023/2028) at 04 / 07 / 2022.

Capacity Training Courses of Staff Supported by Benha University

1. A course on Financial and legal aspects of academic work from 15 to 17 June 2009
2. A course on self-assessment and external review from January 21 to 23, 2012
3. Word processing course for computer skills from January 21 to 23, 2012
4. A course on E. uses of the computer and file management in the period from January 17 to 19, 2012.
5. A course on Statistical Analysis in the period from January 17 to 19, 2012.
6. A course in communication skills with different learning methods from January 24 to 26, 2012
7. Excel course for computer skills from January 24 to 26, 2012.
8. ICDL license in 2012.
9. Laboratory safety course from 21 to 22 November 2018
10. A course on competitive research projects from November 21 to 22, 2018
11. A course on organizing scientific conferences from January 29 to 31, 2019.
12. A course on managing websites from 5 to 7 February 2019
13. A course on self-assessment and external review from 5 to 7 February 2019
14. Advanced PowerPoint Course on February 28, 2019.
15. Successful accomplishment of the **(Fundamentals of Digital Transformation Certificate)** "5 Mandatory modules and 2 elective" from 02/2022 to 01/2027. ITTU Benha University.

List of Publications

1. Hayat Fayed, Asmaa A Elgendy, Salma A Shoulah, Samar M Moustafa, Ahmed Maher, Ahmed F Hikal, Ahmed Abdeen, Ekramy Elmorsy, Mohamed E Mohamed, Helal F Hetta, Heba Allah Elbaghdady, Afrina Mustari, Samah F Ibrahim, Ateya M Ibrahim, **Marawan A Marawan (2025)**. "Mycological and molecular identification of mycoses involved in mastitis from Holstein dairy cattle with special reference to *Candida albicans*" Veterinary Research Communications, 49(4), 1-11.
2. Hadeer Adel El-Kalamawy, Mohamed Awwad, Tarek Diab, Hend Okasha, Amal M. Abdel-Kareim, **Marawan A. Marawan**, Salma A. Shoulah and Ehab El-Dabaa (2025). "Construction of Camelus dromedaries Immune Single Domain Antibodies Library for Development of Schistosoma mansoni Specific Nanobodies Using Phage Display Strategy" Patent Journal of Biotechnology, . "Recent Patents on Biotechnology 19.1: 69-83.
3. Mahmoud Helal, **Marawan A. Marawan** and Mohammed Anwar Ramadan (2024). "Clinical, inflammatory, immunological and oxidative stress alterations in donkeys with Equine Herpesvirus-1 Myeloencephalopathy in Gharbia governorate, Egypt." Benha Veterinary Medical Journal 47.2: 107-110.
4. Gehad F Elkhayat, Faisal Arnaout, Hassan FM Mo'awad, **Marawan A Marawan (2024)**. "Seroprevalence and assessment of risk-factors associated with Coxiellosis in cattle in Toukh, Qalubya". Benha Veterinary Medical Journal, 46(1), 68-72.
5. **Marawan, M. A., & El-gendy, A. A. (2024)**. "Bacteriological and Molecular Studies on Serratia Marcescens causing Bovine Mastitis" Egyptian Journal of Animal Health, 4(1), 115-126.
6. Mekky, R. H. ., Shoulah, S. ., Moustafa, A. ., Selim, A. ., & **Marawan, M. A. (2024)**. "Prevalence and molecular characterization of canine parvovirus-2 in dogs in Giza Governorate, Egypt". Journal of Advanced Veterinary Research, 14(2), 253-256.
7. Reham H Mekky, **Marawan A. Marawan**, Abdel Moneim Moustafa, Abdelfattah Selim, Salma Shoulah (2024). "Oxidative Stress Markers and Hematological Parameters Associated with Canine Parvoviral Enteritis in Dogs." Benha Veterinary Medical Journal 47.1: 1-4.

8. Ateya, A., Al-Sharif, M., Faraj, S.H., Abdo, M., Fericean, L., Banatean-Dunea, I., Hammad, S.J., Mamdouh, M., Fayed, H., **Marawan A Marawan** and Raslan, W.S., (2023). Exploring genetic polymorphisms and transcript levels of antioxidant and metabolic markers for prediction and monitoring diarrhea in Holstein dairy calves. *Acta Agriculturae Scandinavica, Section A—Animal Science*, pp.1-11.
9. Ahmed Ateya, Fatmah A Safhi, Huda El-Emam, **Marawan A Marawan**, Hayat Fayed, Amgad Kadah, Maha Mamdouh, Manar M Hizam, Muath Q Al-Ghadi, Mohamed Abdo, Liana Fericean, Rada Olga, Ostan Mihaela (2023)." Combining Nucleotide Sequence Variants and Transcript Levels of Immune and Antioxidant Markers for Selection and Improvement of Mastitis Resistance in Dromedary Camels" *Agriculture*, 13(10), 1909
10. Abdelfattah Selim, **Marawan A. Marawan**, Abdelhamed Abdelhady and Majed H. Wakid (2023). "Seroprevalence and Potential Risk Factors of *Toxoplasma gondii* in Dromedary Camels". *Agriculture*, 13, 129. <https://doi.org/10.3390/agriculture13010129>.
11. Sara Badawy, Yanan Liu, Mingyue Guo, Zhenli Liu, Changqing Xie, **Marawan A Marawan**, Irma Ares, Bernardo Lopez-Torres, Marta Martínez, Jorge-Enrique Maximiliano, María-Rosa Martínez-Larrañaga, Xu Wang, Arturo Anadón, María-Aránzazu Martínez (2023). "Conjugated linoleic acid (CLA) as a functional food: Is it beneficial or not?" *Food Research International*: 113158.
12. Abdelfattah Selim, **Marawan A. Marawan**, Abdelhamed Abdelhady, Fahdah Ayed Alshammari, Abdulmohsen H. Alqhtani⁴, Hani A. Ba-Awadh⁴, Isiaka O. Olarinre and Ayman A. Swelum (2023). "Coxiella burnetii and its risk factors in cattle in Egypt: a seroepidemiological survey". *BMC Veterinary Research* (2023) 19:29 <https://doi.org/10.1186/s12917-023-03577-5>
13. Salma A. Shoulah, Mohamed M. S. Gaballa, **Marawan A. Marawan**, Sayed A. Saqr, Abdelhamed Abdelhady, Hayat Ali Alzahrani, Majed H. Wakid, Omar A. Al-Jabr and Abdelfattah Selim (2023). "Pathological Findings and Oxidative Stress Status Associated with Hydatidosis in Dromedary Camels". *Veterinary Science*. 2023, 10, 74. <https://doi.org/10.3390/vetsci10020074>
14. Ali Dawood, Samah Attia Algharib, Gang Zhao, Tingting Zhu, Mingpu Qi, Kong Delai, Zhiyu Hao, **Marawan A Marawan**, Ihsanullah Shirani, Aizhen Guo (2022). "Corrigendum: Mycoplasmas as Host Pantropic and Specific Pathogens: Clinical Implications, Gene Transfer, Virulence Factors, and Future Perspectives" *A REVIEW. Frontiers in Cellular and Infection Microbiology*, 12, 983282

15. Sara Badawy, YaQin Yang, Yanan Liu, **Marawan A Marawan**, Irma Ares, María-Aránzazu Martínez, María-Rosa Martínez-Larrañaga, Xu Wang, Arturo Anadón, Marta Martínez (2021). "Toxicity induced by ciprofloxacin and enrofloxacin: oxidative stress and metabolism" *Critical Reviews in Toxicology*, 51(9), 754-787
16. Ihsanullah Shirani, **Marawan A. Marawan**, Najibullah Rahimi, Ali Dawood and Aizhen Guo (2021). "Comparative Genomic Diversity of Clostridium Difficile during Sequential Recurrences of Infections: A Review". *Innovations in Microbiology and Biotechnology* Vol. 2, 3, Page 47-5 doi.org/10.9734/bpi/imb/v2/13949.
17. **Marawan A Marawan**, Mingliang Deng, Chen Wang, Yingyu Chen, Changmin Hu, Jianguo Chen, Xi Chen, Huanchun Chen, Aizhen Guo (2021). "Characterization of BoHV-1 gG-/tk-/gE-Mutant in Differential Protein Expression, Virulence, and Immunity" *Veterinary sciences*, 8 (11), 253.
18. **Marawan A Marawan**, Abdulaziz Alouffi, Suleiman El Tokhy, Sara Badawy, Ihsanullah Shirani, Ali Dawood, Aizhen Guo, Mashal M Almutairi, Fahdah Ayed Alshammari, Abdelfattah Selim (2021). "Bovine Leukaemia Virus: Current Epidemiological Circumstance and Future Prospective" *Viruses* 13 (11), 2167.
19. Ihsanullah Shirani, Hui Zhang, Gang Zhao, Siyi Lu, **Marawan A Marawan**, Ali Dawood, Yingyu Chen, Xi Chen, Jianguo Chen, Changmin Hu, Huanchun Chen, Aizhen Guo (2020) "In Silico Identification of Novel Immunogenic Secreted Proteins of Mycoplasma bovis from Secretome Data and Experimental Verification" *Pathogens* 2020, 9, 770.
20. Ihsanullah Shirani, **Marawan A. Marawan**, Najibullah Rahimi, Ali Dawood (2020). Comparative genomic diversity of Clostridium difficile during recurrences of infections *Advances in Animal and Veterinary Sciences*. 8 (11): 1194-1202.
21. Eman A. Manaa, **Marawan A. Marawan**, Abdelhamed Abdelhady, Abdelfattah Selim (2020). Association between Bovine Leukemia Virus Infection, Reproductive Performance and Milk Production in Water Buffaloes and Dairy Cattle in Egypt. *Advances in Animal and Veterinary Sciences*. 8 (11): 1109-1113.
22. Muhammad Zubair, Shafii Abdullahi Muhamed, Farhan Anwar Khan, Gang Zhao, Harish Menghwar, Muhammad Faisal, Hui Zhang, Xifang Zhu, Muhammad Asif Rasheed, Yingyu Chen, **Marawan A. Marawan**, Huanchun Chen and Aizhen Guo (2020). "Identification of 60 secreted proteins for Mycoplasma bovis with secretome assay" *Microbial Pathogenesis* 143 (2020) 104135.

23. Muhammad Zubair, Farhan Anwar Khan, Harish Menghwar, Muhammad Faisal, Muhammad Ashraf, Muhammad Asif Rasheed, **Marawan A. Marawan**, Ali Dawood, Yingyu Chen, Huanchun Chen and Aizhen Guo (2020).” Progresses on bacterial secretomes enlighten research on Mycoplasma secretome” Microbial Pathogenesis 144 (2020) 104160
24. Abdelfattah Selim, **Marawan A. Marawan**, Abdel-Fattah Ali, Eman Manaa and Hassab Allah AbouelGhaut (2019). “Seroprevalence of bovine leukemia virus in cattle, buffalo, and camel in Egypt” Tropical animal health and production. <https://doi.org/10.1007/s11250-019-02105-8> ISSN 0049-4747.
25. Mahmoud A. Y. Helal, **Marawan A. Marawan** and Halla E.K. El Bahgy (2019). “Clinico-biochemical and Electrocardiographic Changes in Cattle Naturally Infected with Lumpy Skin Disease” AJVS 60 (1): 40-47.
26. Halla E. K. El Bahgy, Hala K. Abdelmegeed and **Marawan A. Marawan** (2019). “Serological and molecular studies on BTV in small ruminants at risk area in Egypt post- BT outbreak in Libya” Assiut Vet. Med. J. Vol. 65 No. 163.
27. Halla E. K. El Bahgy, Hala K. Abdelmegeed and **Marawan A. Marawan** (2018). “Epidemiological surveillance of bovine viral diarrhea and rift valley fever infections in camel” Veterinary World,11(9): 1331-1337.
28. Abdelghany Hefnawy; Mahmoud A.Y. Helal; **Marawan A. Marawan**; Rania Abo- Sakaya and Halla E.K. El Bahgy (2018). “Molecular Study of FMD Infected Egyptian Buffalo Calves with Reference to Electrocardiography and Cardiac Biomarkers as Prognostic Tools” Assiut Vet. Med. J. Vol. 64 No. 159 134-143.
29. Khater, H. F., A. M. Ali, G. A. Abouelella, **Marawan A. Marawan**, M. Govindarajan, K. Murugan, R. Z. Abbas, N. P. Vaz and G. Benelli (2018). "Toxicity and growth inhibition potential of vetiver, cinnamon, and lavender essential oils and their blends against larvae of the sheep blowfly, *Lucilia sericata*." International journal of dermatology ;57(4):449-457
30. **Marawan A. Marawan.**, H. Mekata, T. Hayashi, S. Sekiguchi, Y. Kirino, Y. Horii, A.-M. M. Moustafa, F. K. Arnaout, E. S. M. Galila and J. Norimine (2017). "Phylogenetic analysis of env gene of bovine leukemia virus strains spread in Miyazaki prefecture, Japan." Journal of Veterinary Medical Science 79(5): 912-916.
31. **Marawan A. Marawan.**, M. Abdel-moneim, F. K. Arnaout and M. El Sayed (2016). "Partial BLV RNAs are Present in Plasma Exosomes of BLV Infected Animals" Journal of Ruminants Science 5(2): 133-142.

32. **Marawan A. Marawan, M. H. Ebied, E. Galila, A. I. Youssef and K. Z. Hassan (2012).**
"Epidemiological studies on Rift Valley fever disease in Egypt." Benha Veterinary Medical
Journal 23(1): 171-184.

References

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