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SUMMARY

Veterinary infectious diseases specialist with 15+ years of academic, research, and clinical training experience. Expertise in molecular virology, proteomics, and diagnostic methodologies. Proven track record in international collaborations, postgraduate supervision, and community engagement. Experienced in real-time PCR, ELISA, sequencing, and experimental design.

PROFESSIONAL EXPERIENCE

- Associate Professor, Benha University – 2022–Present
- Lecturer, Benha University – 2017–2022
- Ph.D. Research Scholar, Japan – 2014–2017
- Assistant Lecturer, Benha University – 2012–2014
- Demonstrator, Benha University – 2008–2012
- Postdoctoral Fellow, Huazhong Agricultural University, China – 2019–2021
- Undergraduate and postgraduate teaching in Infectious Diseases
- Clinical training supervision (on-farm & veterinary units)
- Course material development & lab supervision

EDUCATION

Ph.D. in Veterinary Sciences – Egypt-Japan Channel Program (2017)

Thesis: Molecular studies on bovine leukemia virus

M.V.Sc. in Animal Medicine – Benha University (2012)

Thesis: Epidemiological studies on RVF in Egypt

B.V.Sc. – Benha University (2008)

TRAINING & CERTIFICATIONS

- ICDL Certificate (2012)
- Digital Transformation Certificate (2022–2027)
- Advanced training in: PCR Techniques, Pathology, Strategic Planning, Proposal Writing, Quality Assurance, Scientific Presentation, Lab Safety (DAAD, Benha Univ., Miyazaki Univ.)

SKILLS

- Molecular Techniques: PCR, RT-PCR, Electrophoresis, ELISA, DNA/RNA/Protein Extraction
- Software: SPSS, Excel, Photoshop, Microsoft Office
- Diagnostics: Virology, Bacteriology, Proteomics, Epidemiology
- Teaching: Undergraduate/Postgraduate instruction, Clinical Supervision, Curriculum Development
- Research: Experimental design, data analysis, scientific writing

PROJECTS

- LEAP-Agri Project: Co-investigator on ecosystem-based strategies to control *T. annulata* in Africa & Europe (Completed).
- Bovine Leucosis Molecular Survey: Co-investigator, funded by Benha University.
- Veterinary Lab Accreditation Project: Co-led development toward ISO/IEC 17025 certification.

WORKSHOPS

- Speaker, "Advances in Scientific Research" – Benha University (2013)
- Participant, 7th International Conference of Vet Research – NRC, Cairo (2017)
- Workshop: "How to Present Scientific Data" – DAAD Cairo (2018)
- Workshop: "Advanced Pathology Techniques" – Beni Suef Univ. (2014)
- Trainer & Organizer – "Climate Change & Aquatic Life", Benha Univ. (2022)

LANGUAGES

- **Arabic:** Native
- **English:** Very Good
- **French:** Fair

AWARDS

Multiple Certificates of Appreciation from Benha University for Scientific Research Excellence and International Publication (2017–2023).

REFERENCE

Prof. Junzo Norimine

Professor of Animal Infectious Diseases, University of Miyazaki, Japan

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Prof. Aizhen Guo

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Prof. Satoshi Sekiguchi

University of Miyazaki, Department of Animal Infectious Diseases and Prevention, Japan

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PUBLICATIONS

- Hayat Fayed et al., Marawan A. Marawan (2025). Mycological and molecular identification of mycoses involved in mastitis in dairy cattle. *Veterinary Research Communications*, 49(4), 1–11.
- Hadeer Adel El-Kalamawy et al., Marawan A. Marawan (2025). Development of *Schistosoma mansoni* Specific Nanobodies. *Recent Patents on Biotechnology*, 19(1): 69–83.
- Mahmoud Helal, Marawan A. Marawan et al. (2024). Clinical and immunological alterations in donkeys with EHV-1. *Benha Veterinary Medical Journal*, 47(2): 107–110.
- Gehad F Elkhayat, Marawan A. Marawan et al. (2024). Risk factors associated with Coxiellosis in cattle. *Benha Vet Med J*, 46(1): 68–72.
- Marawan M. A., El-gendy A. A. (2024). Molecular Studies on *Serratia Marcescens*. *Egyptian Journal of Animal Health*, 4(1): 115–126.
- Mekky R.H. et al., Marawan M.A. (2024). Canine parvovirus-2 characterization. *J. Adv. Vet. Res.*, 14(2): 253–256.
- Mekky R.H. et al., Marawan A. Marawan (2024). Hematological changes in canine parvovirus enteritis. *Benha Vet Med J*, 47(1): 1–4

- Ateya A. et al., Marawan A. Marawan (2023). Predictive markers for diarrhea in calves. *Acta Agriculturae Scandinavica*.
- Ateya A. et al., Marawan A. Marawan (2023). Immune markers for mastitis resistance in camels. *Agriculture*, 13(10), 1909.
- Selim A. et al., Marawan A. Marawan (2023). *Toxoplasma gondii* in camels. *Agriculture*, 13, 129.
- Badawy S. et al., Marawan A. Marawan (2023). Conjugated linoleic acid (CLA) as a functional food. *Food Research International*, 113158.
- Selim A. et al., Marawan A. Marawan (2023). *Coxiella burnetii* in cattle. *BMC Veterinary Research*, 19:29.
- Shoulah S.A. et al., Marawan A. Marawan (2023). Hydatidosis in dromedary camels. *Veterinary Science*, 10, 74.
- Dawood A. et al., Marawan A. Marawan (2022). Corrigendum on *Mycoplasmas*. *Front. Cell. Infect. Microbiol.*, 12, 983282.
- Badawy S. et al., Marawan A. Marawan (2021). Ciprofloxacin toxicity. *Crit. Rev. Toxicol.*, 51(9), 754–787.
- Shirani I. et al., Marawan A. Marawan (2021). Genomic diversity of *Clostridium difficile*. *Innov. Microbiol. Biotech.*, 2, 47–55.
- Marawan A. Marawan et al. (2021). Characterization of BoHV-1 mutant virus. *Veterinary Sciences*, 8(11), 253.
- Marawan A. Marawan et al. (2021). Epidemiology of Bovine Leukemia Virus. *Viruses*, 13(11), 2167.
- Shirani I. et al., Marawan A. Marawan (2020). Secreted proteins of *Mycoplasma bovis*. *Pathogens*, 9, 770.
- Shirani I. et al., Marawan A. Marawan (2020). *Clostridium difficile* recurrence. *Adv. Anim. Vet. Sci.*, 8(11): 1194–1202.
- Manaa E.A. et al., Marawan A. Marawan (2020). BLV and reproductive performance. *Adv. Anim. Vet. Sci.*, 8(11): 1109–1113.
- Zubair M. et al., Marawan A. Marawan (2020). *Mycoplasma bovis* secretome. *Microbial Pathogenesis*, 143, 104135.
- Zubair M. et al., Marawan A. Marawan (2020). *Mycoplasma* secretome overview. *Microbial Pathogenesis*, 144, 104160.
- Selim A. et al., Marawan A. Marawan (2019). BLV in cattle, buffalo, camels. *Trop. Anim. Health Prod.* <https://doi.org/10.1007/s11250-019-02105-8>
- Helal M.A.Y., Marawan A. Marawan et al. (2019). ECG changes in LSD-infected cattle. *AJVS*, 60(1): 40–47.
- El Bahgy H.E.K., Marawan A. Marawan (2019). BTV in small ruminants post-Libya outbreak. *Assiut Vet. Med. J.*, 65(163).
- El Bahgy H.E.K., Marawan A. Marawan (2018). BVD & RVF in camels. *Veterinary World*, 11(9): 1331–1337.
- Hefnawy A. et al., Marawan A. Marawan (2018). FMD and cardiac biomarkers. *Assiut Vet. Med. J.*, 64(159), 134–143.
- Khater H.F. et al., Marawan A. Marawan (2018). Essential oils against *Lucilia sericata* larvae. *Int. J. Dermatol.*, 57(4): 449–457.
- Marawan A. Marawan et al. (2017). Phylogenetic analysis of BLV env gene. *J. Vet. Med. Sci.*, 79(5): 912–916.
- Marawan A. Marawan et al. (2016). BLV RNA in plasma exosomes. *J. Ruminant Science*, 5(2): 133–142.
- Marawan A. Marawan et al. (2012). RVF epidemiology in Egypt. *Benha Vet. Med. J.*, 23(1): 171–184.