

CURRICULUM VITEA

1. Name: Mayada Fouad Hasoon

Position: Lecturer

Current address: Scientific Research Center,
College of Science,
Duhok University, PO.Box 78
Zanko Road, Duhok City, Kurdistan -Iraq

1.1 Personal Data:

Gender: Female

Religion: Muslim

Marital Status: Married

Citizenship: Iraqi

Phone: (00964)07505547839

Email: mayada.hasoon@uod.ac

2. Academic Qualifications:

Degree Certification	University	Date	Area of Certification
PhD	University Putra Malaysia (UPM)	2012	Aquatic Virology
M.Sc.	Baghdad University, Iraq	1994	Aqua. Diseases
B.Sc.	Baghdad University, Iraq	1991	Veterinary Medicine and Surgery

3. Dissertation and project work for degrees:

3.1 PhD dissertation "Isolation and Characterization of Viral Nervous Necrosis Virus on Newly Established Marine Fish Cell Line and its Pathogenicity in Non-Marine Fish"

3.2MSc dissertation “Interrelationship between the quick lime and phosphate fertilizer on the evaluation of the infection with *Aeromonas hydrophilain* Carp Fish”

4. Employment History:

2014-Present: Msc.-post graduate student’s advisor:

1. Animal Biotechnology
2. Aquatic Animal Health

Oct.2013-Present: Lecturer of Virology and a researcher at Scientific Research Center/Faculty of Science/ Duhok University.

2007-2011: PhD Student, Virology, Aquatic Animal Health, Dept. of Clinical Studies, Faculty of Veterinary Medicine, University of Putra Malaysia (UPM). Malaysia.

1995-2006: Research assistant, IPA Agriculture Research Center for Plant and Animal Production (1995-2000). Veterinary Research and Diagnostic Laboratory, [genetic Engineering Laboratory] (2000-2006).

5. Fellowships awards:

2007-2010: Graduated Research Fellowship (GRF) from UPM University

2011: Special Scheme Research Assistant (SSRA) from UPM University.

2012: Postdoctoral fellowship University Putra Malaysia

6. Professional Memberships:

- Asian Fisheries Society: (2007-present)
- An Association of International Seafood Professionals: (2009-present)
- Australian Institute of Marine Science (AIMS) www.aims.gov.au (2012-2013): As temporary and casual voluntary work within research and corporate and support teams.
- Membership in the “Tunisian Association of Marine Sciences” (Atsmer)

7. Current activities:

The author enrolled in a big deal project research as a researcher at the Scientific research Center/Faculty of Science, this project is conducted on research to assess, manage, develop and maintain a cell bank unit for developing primary cell cultures of animal origin and continuous cell culture as mesenchymal stem cells stock.

8. Teaching Skill:

2013- Present: -Lecturer of Virology for 3rd year students at Biology Department/ College of Science/ Dohok Univ.
-Lecturer of Scientific Debate for 1st year students at Biology Department/ Faculty of Science/ Dohok Univ
-Lecturer of Aquatic Diseases for 5th year students at Faculty of Vet Medicine/ Dohok Univ

2012- 2013: Lecturer of Virology for 3rd year students at Biology Department/ Faculty of Science/ Dohok Univ.

2008-2012: (Part-time lecturer) of Virology for undergraduate course at Aquatic Animal Health Unit, Faculty of Vet. Medicine, UPM, Malaysia.

2000-2003: Fish diseases and fish pond management [Training courses and workshops]/IPA Agriculture research Center.

1998-2000: (Part-time lecturer) Fish diseases, Faculty of Veterinary Medicine/Baghdad University.

9. Techniques:

-Lab skills:

- Microbiological culture
- DNA, RNA extraction and quantification.
- Performing Classic PCR.
- Gel Electrophoresis.
- Comparative viruses genome analysis and Phylogenetic analysis.
- ELISA
- Heam Agglutination (HA) and Heam Agglutination Inhibition (HI) test
- TCID₅₀ (Tissue Culture Infectious Dose)
- Cell culture and maintenance
- Virus pathogenicity: in-vitro and in vivo analysis
- Immuno-biological techniques: antigen and antibody production, extraction, and analysis

-Histopathology and Immunohistochemistry

-Bioinformatics & Computer Skills

Working knowledge of common application software such as Word, Excel, PowerPoint, and statistical analysis: ANOVA, T test, Chi square as well as Bioinformatics software for data mining and evolutionary analysis uses the following tools: BioEdit and ClustalW.

10. Training and Workshops:

1998:Correlation between laboratory investigationand field management to improve aquaculture in Iraq. On 15th -22nd July. Fisheries Department, IPA Agriculture Research Center/ Baghdad, Iraq 1 Week (Instructor).

2007: Freshwater fish cell line; Establishment and characterization on 23rd – 30th Mar.Virology Lab. Faculty of Veterinary Medicine, UPM. (Instructor).

2007: Workshop on preparation, maintenance and storage of animal cell lines on 4th -5th Dec. Faculty of Veterinary Medicine, UPM. (Attendance)

2008: Introduction to electron microscopy on 27 Jul.-27 Sept. 2007. Electron Microscopic Unit, IBS, UPM, Malaysia. (participant).

2008: WPSA Seminar; The New Energy Crisis: Food, Feed or Fuel. On 25th -28th Sept. Faculty of Veterinary Medicine, UPM. (Participant).

2008: Sustainable Livestock Production: Issues Challenges & Opportunities held on 12th -15th May by Malaysian Society of Animal Production at Bayview Beach Resort, Penang, Malaysia. (Participant).

2013: Training work-shop to improve Aquatic Management in Duhok Provinces, Kurdistan/Iraq 6-7 Dec.2013 (Lecturer-Instructor)

Non-paid work experience:

Job title	Starting and ending dates of employment	Duties and accomplishments
Pre-doctoral instructor	2009-2011	establishment of new cell lines contribute to the expansion of cell biology knowledge
Aqua lab. Diagnostic Services	2007-2010	Isolation, characterization of Viruses using primary and secondary cell lines

Can be responsible for the following duties:

- Operation of Tissue and DNA Collections
- Provide monthly and annual reports of samples archived in Collection
- Organize and maintain biological sample storage areas
- Perform DNA extractions, spectroscopy and PCR for Collection related projects
- Establishment and characterization of primary cell culture
- Study and investigation of cell line biology and development steps
- Study the host cell-pathogenic microorganism interaction
- Enthusiasm for subjects and ability to engage students via Original and innovative approaches in the classroom.
- Data entry and editing in Microsoft Access and Excel;
- Publications, external recognition, invited presentations.

11. Publications

11.1 Papers in Refereed Journals:

Genbank :

Mayada, F. H., Hassan, M.D., Siti Suri, A., and Hair Bejo, M., (2009). Accession number FJ896142 (Betanodavirus Siakap/UPM08-1M RNA2). In: GenBank – <http://www.ncbi.nlm.nih.gov/>

Hasoon, M., Daud, H., Abdullah, A., Arshad, S., and Bejo, H. (2010). Development and partial characterization of new marine cell line from brain of Asian sea bass *Lates calcarifer* for virus isolation. *Journal of In Vitro Cellular Developmental-Animals* 47(1):16-25.(IF) **1.312**

Mauid, F. H., Hassan, M.D., Siti-Suri, A., and Hair, M.B. (2010).Tissue Culture Isolation, Electron Microscopic Characterization and PCR-Detection of a Betanodavirus Isolated from Diseased Asian Seabass *Lates calcarifer*. *Journal of Malaysian Applied Biology* 39 (2): 7-13. (IF) **0.048**

Mauida F. Hasoon, Hassan M. Daud, Siti S. Arshad and Mohd H. Bejo. (2011). Betanodavirus experimental Infection in Freshwater Ornamental Guppies: Diagnostic Histopathology and RT-PCR. *Journal of Advanced Medical Research* 1: 45-54.

Mohammed, M.H and **Mauida F. H. (2011).** Immune Response to Inactivated Newcastle Disease Virus by Electrolysed Catholyte Anolyte and Binary Ethylenimine in Specific Pathogen Free Chickens. *Journal of World's Poultry Research* 1(1): 18-21

Mohammed, M.H., M. Hair-Bejo, A.R. Omar, **M.F. Hasoon**, A. Alazawy, E.A. Abdul Ahad and A. Idrees. (2012). Molecular Changes of the Fusion Protein Gene of Chicken Mesenchymal Stem Cells–Adapted Velogenic Newcastle Disease Virus. *Journal of Advanced Biomedical & Pathobiology Research* Vol.2 No.2, 51-59

Mohammed, M.H., Hair-Bejo, M., Omar, A.R., **Hasoon, M. F.**, Alazawy, A. and Idrees, A. (2012). Replication of Infectious Bronchitis Virus in the Chicken Mesenchymal Stem Cells. *Journal of World's Poultry Research*. 2(2): 33-36

Mohammed M.H, M. Hair-Bejo, A.R. Omar, I. Aini and **Mauida F. Hasoon (2012)**. Immune Response to Killed Very Virulent Infectious Bursal Disease Virus by Water-Catholyte-Anolyte in Specific-Pathogenic-Free Chickens. *J. World's Poult. Res.* 2(1): 22- 25.

Mohammed,M.H., M. Hair-Bejo , A.R. Omar, **Mauida, F. Hasoon**, Amer Alazawy, Emad Adwar Abdul Ahad and I. Aini. (2012). Pathogenesis of Infectious bronchitis virus in Infected Broiler Chickens. *Basrah of Veterinary Research*. (11)1:66-69.

Hasoon, M.F., Lazgen, Q., Abdullah, A. and Ali,B. (2013). Development and Biological Characterization of Brown Quail (*Coturnix ypsilophora*) Embryonic Fibroblast Primary Cells. *Journal of World's Poultry Research*, 3 (3), 68-73.

Hasoon, M.F; M. H. Mohammed and J. M. S. Jubrael. (2015). Use of Primary Embryo Fibroblast Cells for Propagation and Assay of Viruses. *Journal of Malaysian Vet. Research*, Vol.6, No.1

11.2 Refereed Conference abstracts, posters and presentations

-Hassan, M.D., **Mauida, F.H.**, Siti Suri, A. and Hair Bejo, M. (2008). Establishment and Characterization of Fresh Water Fish Cell Line from Koi Fish *Cyprinus carpio L.* *Proceeding in National Fisheries Symposium (NaFiS)*. July 14th-16th 2008. Kuala Terengganu- Terengganu Darul Iman, Malaysia.

-**Mauida, F.H.**, Hassan, M.D., Siti Suri, A. and Hair Bejo, M. **(2009)**. Preliminary characterization of newly established marine fish cell line originated from Asian sea bass *L. calcarifer* for virus isolation. Proceeding in *World Aquaculture Society, Asian Pacific Aquaculture*. Nov. 3-6, 2009. Kuala Lumpur, Malaysia.

-Mohammed, M.H. and **Mauida, F. Hasoon(2012)**. Molecular Characterization of Avian Infectious Bronchitis Virus Strains Isolated in Malaysia During 2012. *Basrah of Veterinary Research*, vol. (11) 4.

-2nd Duhock Vet. Conference, 20/Aug. 2013. www.duhokvet.org. (Attendance)

- **The 25th VAM Congress** (13-15th September **2013**) Symbiosis : Enhancing Animal, Human & Environmental Health. Johor, Malaysia [http:// www.vamcongress2013.org/](http://www.vamcongress2013.org/).

.12. Language proficiency:

Arabic: Native

English: very good

13. Passions and hobbies:

Drawing, nature walks, sightseeing and cooking.