Dr. Nacheervan Majeed Ghaffar

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Date of Birth: 29/01/1980

Education:

1999-2004 **BSc Veterinary Medicine (GOOD)**

The University of Duhok Kurdistan Region /Iraq

- Specialised in vet Medicine. Main modules included Anatomy, animal physiology, pharmacology, Microbiology, Pathology, Medicine, clinic, Animal Hygiene and Food Hygiene.
- During my B.Sc. I gained the profound knowledge associated with different Medical and Biological subjects especially Microbiology in which my laboratory skills have been improved.

2006-2008 **MSc in Vet Public Health (VERY GOOD)**
School of Vet Medicine/ Duhok University/Kurdistan Region/Iraq

This degree last 2 years, first year includes attending different modules related to Vet Public Health such as Food Hygiene, Food Microbiology, Zoonotic parasitic diseases and biochemistry. While in the second year, dissertation part, included by doing practical research and writing a thesis **PREVALENCE OF HYDATIDOSIS IN LIVESTOCK SLAUGHTERED AT DOHUK ABATTOIR OF KURDISTAN REGION OF IRAQ**. I improved my knowledge in this area and I gained important skills such as working in the abattoir, post mortem examination of ruminant carcasses. In addition, my laboratory experiences improved a lot.

09/2012-2016 **PhD in Food and molecular Microbiology**
Biosciences School/Food Science and biotechnology

Department/University of Nottingham/UK

My PhD was focused on the food borne pathogen ***Camylobacter***, which is the most common cause of bacterial enteritis worldwide. Source attribution studies indicate that poultry could account for up to 80% of the disease, and chickens, due to their pre-eminence in the market place, act as a reservoir for this pathogen. My PhD focused on the physiological, morphological change study of this pathogen, Complete genome sequencing and analysis, characterization of these bacteria (*campylobacter* spp), and transcriptomic analysis of this bacterium under different stress condition to determine the gene expression by using RNA-sequencing and validated by qpcr (Real time PCR). Moreover, enough experiences I have got about Fluorescence and electron microscopes as we used both microscopes to study the morphological change of this microorganism under different stress condition.

-Basic Laboratory Technique Module:

During my PhD, I passed the **Basic Laboratory Technique Module** which was a part of my PhD study, this module covered all laboratory techniques from the gram stain, microbiological stuff, molecular tools and sequencing and it is part of my PhD manuscript.

Work Experience:

- **Demonstrator (2004-2006)**:

  School of Vet Medicine/ Duhok University/Kurdistan Region/Iraq

  Demonstrate in different laboratories in the college (e.g. physiology and Microbiology).

- **Assistant Lecturer (2008-2011):**

  School of Vet Medicine/ Duhok University/Kurdistan Region/Iraq

  During this period, I was lecturing in practical Food hygiene and food microbiology.

- **19 February 2014 until now:** Member of Society of General Microbiology, United Kingdom.

- I did quite a lot of work and have enough experience in molecular biology, bioinformatics and sequence analysis work including techniques and tools, during and after I got my PhD.

- Florescent and electron microscope, I did a lot of work on Florescent and Electron microscope during my PhD and got enough experience about them (how to use and how to explain and read your results).

Researcher:

Four researches have been published, and they are:

The Iraqi Journal of Veterinary Medicine; 35 (1): 71 –75: 2011

1. Sero-prevalence of cattle brucellosis by rose Bengal and ELISA tests in different villages of Duhok province

Lokman T. Omar[1] Nacheervan M. Ghaffar[2] Alind M. Amen3 Mohammed A. Ahmmed[3]

(1) Department of microbiology and pathology, Faculty of Vet. Medicine, University of Duhok (2) Department of Vet Public health, Faculty of Vet Medicine, University of Duhok(3) Duhok veterinary directorate.

Accepted on March 2011

Bas.J.Vet.Res.Vol 10, No.1, 2011

2. TENUICOLLOSIS IN SLAUGHTERED SHEEP AT DUHOK ABATTOIR- KURDISTAN REGION OF IRAQ

Nacheervan.M.Ghaffar

Department of Veterinary.Puplic Health, College of Veterinary Medicine, University of Duhok, Kurdistan Region, Iraq

*(*Reeived 15 November 2010, Accepted 26 April 2011)

3. Filamentation of *Campylobacter* in broth culture

*Nacheervan M. Ghaffar, Phillippa L. Connerton and Ian F. Connerton**
Division of Food Sciences, School of Biosciences, University of Nottingham,
Loughborough, UK

Frontier in Microbiology (2015) 6: 657

4. The effect of the timing of exposure to *Campylobacter jejuni* on the gut microbiome and inflammatory responses of broiler chickens

Connerton, Phillippa L. and Richards, Philip J. and Lafontaine, Geraldine M. and O'Kane, Peter M. and **Ghaffar, Nacheervan M.** and Cummings, Nicola J and Smith, Darren L. and Fish, Neville M. and Connerton, Ian F.

Springer Nature, Microbiome. ISSN 2049-2618 (2018)

Achievements:

- **Attended to different courses and workshops in the university of Nottingham(UK) including:**

1. Post-genomics and bioinformatics on the 16/12/2014, 17/12/2014, 18/12/2014 (workshop). This workshop covered the following:

-Arrays, how do they work? What are they?

- Transcriptome evolution.

-Application of microarray.

-Proteomic analysis.

- A practical approach to metabolomics.

2. Endnote introduction for referencing and citing (researchers in any Discipline) on the 06/11/2012and receives 1.00 training unit(s).

3. Producing Charts in Word, Excel and PowerPoint on the 29/01/2013 and receives 1.00 training unit(s).

4. Creating and Managing Long Documents in Microsoft Word on the 25/02/2014.

5. Personal skills for the working environment: A conference for PG students on the 21/01/2014 (workshop).

6. Producing Charts in Word, Excel and PowerPoint on the 29/01/2013.

7. Creating a Poster in PowerPoint on the 24/02/2015.

8. How to get your research published on the 19/03/2014.

9. Presentation Skills: Structure and Technique on the 12/12/2014.

10. Statistic course for three days 2013 Nottingham university, school of bioscience, Presented by prof Rob Linforth.

11. Chromatographic methods for protein purification.

12. Pass Preparatory English course in Central for English language preparation (CELE) in Nottingham university/UK (WITH DISTINCTION) from (05/01/2012 to 29/06/2012).

12. Computer repairing course (30hrs), the certification was applied by Regional **Information Center Duhok province** from (13/7/2006) - (2/8/2006).

Workshops and courses organisation:

1. Organization a workshop in Duhok Research center at college of Veterinary Medicine/UoD in 22/04/2018 about (**PCR ESSENTIALS AND APPICATIONS).**
2. Organization a training course in Duhok Research Center at college of Veterinary Medicine/UoD for three weeks from 9th - 24/07/2018 about **(Basic Concepts in Bioinformatics and Databases)**.
3. Organization a workshop in Duhok Research Center at college of Veterinary Medicine/UoD for two days on 14th -15th of October 2018 about **(Long document creation (Thesis) and referencing)**.
4. Organization a workshop in Duhok Research Center at college of Veterinary Medicine/UoD for two days on 13th -14th of February 2019 about **(Histo-pathological techniques).**
5. Organization a workshop in Duhok Research Center at college of Veterinary Medicine/UoD for two days on 24th -25th of April 2019 about **(PCR essentials, principles and applications)**.
6. Organization a training course in Duhok Research Center at college of Veterinary Medicine/UoD for three weeks from 15th - 30/07/2019 about **(Introduction, principles and applications of Bioinformatics and biological databases)**.

Positions:

1. Registration manager for about two years at college of veterinary medince /UoD between 2010 and 2011.
2. Director of Duhok Research center/ college of veterinary medicine/UOD from August/2017-until now

Skills:

Language: Kurdish, Arabic, English.

Computer: Good experience on Microsoft word, excel, power point and graph pad.