

## *Curriculum Vitae*

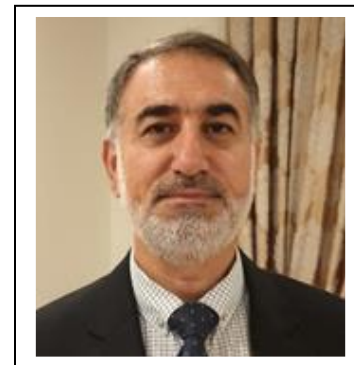
### **Personal**

Name: **SARWAT KRAM MOHAMMED AL-QASSAB**

D.O.B.: **12 Nov.1965**

Nationality: **Iraqi & Australian**

Marital status: **Married**



### **Contact Details**

Zanko 1 Suburb

Erbil - IRAQ

Home: +964 662585252

Mobile: +964 773 4404640

E-mail: sarwat.mohammed@su.edu.krd

[Sarwat.E.Al-Qassab@alumni.uts.edu.au](mailto:Sarwat.E.Al-Qassab@alumni.uts.edu.au)

[sarwat65@gmail.com](mailto:sarwat65@gmail.com)

### **Academic Qualifications**

- **2009 Ph D Molecular Parasitology** / Department of Medical and Molecular Biosciences- University of Technology Sydney / Australia.
- **2002 M Sc. Microbiology (Protozoology)** / School of Biological Sciences - University of Sydney / Australia.
- **1991 M Sc. Invertebrate Zoology** / Department of Biology – College of Science - University of Salahaddin – Erbil / Iraq.
- **1987 B Sc. Microbiology** / Department of Biology – College of Science - University of Salahaddin – Erbil / Iraq.

## Teaching Experience

- Asst. Lecturer - **subjects:** General Zoology, Invertebrate Zoology and Histology. Department of Biological Sciences, College of Education / Salahaddin University, (1992-1996). **Duties:** demonstration, examiner, marking, Laboratory supervision and thesis project supervision.
- Demonstrator – **Subjects:** Molecular Biology 1, Molecular Biology 2 and General Microbiology. University Technology, Sydney, Medical and Molecular Biosciences, Level 6, Building 4, Thomas Street, Ultimo NSW 2007 (2006 - 2010).
- Lecturer – **subject:** Practical molecular biology. Department of Biological Sciences, College of Education / Salahaddin University, (2011 - Now). **Duties:** Teaching, demonstration, examiner, marking, Laboratory supervision and thesis project supervision.
- Lecturer – **subject:** General Zoology: Department of Biological Sciences, College of Education / Salahaddin University, (2015 - Now).
- Lecturer – **subject:** Fundamental of Biology: Department of Medical Microbiology, College of Science / Erbil International University (2020 – 2021).
- Lecturer – **subject:** English for Science: Department of Biology, College of Science / Erbil International University (2020 – 2021).
- Lecturer – **subject:** English for Science: Department of Chemistry, College of Science / Erbil International University (2020 – 2021).
- Lecturer – **subject:** English for Specific Purposes: Department of Biological Sciences, College of Education / Salahaddin University, (2021 - Now).

## Ph D Thesis

**Title:** Genetic diversity in *Neospora caninum*.

## Research Interests

- Molecular Biology
- Parasitology
- Zoology

## Experimentation & Techniques

- Polymerase chain reaction (PCR).
- Real-time PCR
- Western Blotting.

- Cell culture of parasites (*Neospora caninum* and *Toxoplasma gondii*).
- Animal experiments; as approved by ACEC.
- Cloning.
- Mouse bioassay
- DNA sequencing and Bioinformatics
- General microbiology techniques.
- Electron microscopy (transmission and scanning).
- Biological preparations.
- Black and White photography.

### **Official duty at Salahaddin University – Directorate of Split-Site Ph D. study**

**Dec. 2013 – 2016** director of split-site program for Ph.D. study at the University.

### **Peer-reviewed Journal Publications**

- King, J. S., McAllan, B., Spielman D., Lindsay, S. A., Hůrková-Hofmannová, L., Hartigan, A., Al-Qassab, S. E., Ellis J. T., Šlapeta, J. (2011) Extensive production of *Neospora caninum* tissue cysts in a carnivorous marsupial succumbing to experimental neosporosis. **Parasitology Research**, 42: 75-85
- Stark, D., Al-Qassab, S. E., Barratt, J. L. N., Stanley, T, Roberts, K. T., Marriott, D., Harkness, J., Ellis, J. (2011) An evaluation of a multiplex tandem real-time PCR for the detection of *Cryptosporidium* spp, *Dientamoeba fragilis*, *Entamoeba histolytica*, and *Giardia intestinalis* from clinical stool samples. **Journal of Clinical Microbiology**, 49: 257-62.
- Ellis, J., Sinclair, D., Morrison, D., Al-Qassab, S., Springett, K., Ivens, A. (2010) Microarray analyses of mouse responses to infection by *Neospora caninum* identifies disease associated cellular pathways in the host response. **Molecular & Biochemical Parasitology**, 174: 117–27.
- King, J. S., Šlapeta, J., Jenkins, D. J., Al-Qassab, S. E., Ellis, J. T., Windsor, P. A., (2010) Australian dingoes are defective hosts of *Neospora caninum*. **International Journal for Parasitology**, 40: 945-50.
- Barratt, J., Al Qassab, S., Reichel, M. P., Ellis, J. T. (2008) The development and evaluation of a nested PCR assay for detection of *Neospora caninum* and *Hammondia heydorni* in feral mouse tissues. **Molecular and Cellular Probes**, 22: 228-33.

- Al-Qassab, S., Lee, W. J., Murray, S., Simpson, A. and Patterson, D. J. (2002) Flagellates from stromatolites and surrounding sediments in Shark Bay, Western Australia. **Acta Protozoologica**, 41: 91-144.
- Al-Qassab, S., Reichel, M. P., Ellis, J. T. (2010) On the Biological and Genetic Diversity in *Neospora caninum*. **Diversity**, 2: 411-438.
- Al-Qassab, S., Reichel, M. P., Ellis, J. T. (2010) A second generation Multiplex PCR for typing strains of *Neospora caninum* using six DNA targets. **Molecular and Cellular Probes**, 24: 20-6.
- Al-Qassab, S., Reichel, P. M., Ivens, A., Ellis, J. T. (2009) Genetic diversity detected amongst isolates of *Neospora caninum* and development of a multiplex PCR for typing strains. **Molecular and Cellular Probes**, 23: 132-9.
- Al-Qassab, S., Reichel, M. P., Hall, G., Johnson, M., Windsor, P. A., Jenkins, D., Su, C., Dubey, J. P., Ellis, J. T. (2009) Isolation of *Toxoplasma gondii* from the brain of a dog in Australia and its biological and molecular characterisations. **Veterinary Parasitology**, 164: 335-9.

### Patent:

A patent application to the Australian Patent office (Patent Co-Operation Treaty Patent Application No. PCT/AU2009/001101 "METHODS, PRIMERS AND KITS FOR GENOTYPING *NEOSPORA* SPECIES AND STRAINS" **Filed August (2009)** related to multiplex PCR and its applications.

### Scholarship:

- During my Ph D study, I was awarded an Australian Postgraduate Award (APA).

### Memberships

- Membership in Australian Society of Parasitology. ASP Secretariat, c/-RGDQ, 237 Milton Road QLD 4064 Australia.
- Membership in Kurdistan Biology Syndicate. Mufty Suburb, Erbil, Kurdistan Region – IRAQ.

### Workshop

- Research Commercialisation Workshop for high degree research students. Organised by UniQuest Pty Limited. Sunshine, Queensland, Australia. 5 – 6 March 2009.

- Teaching methods workshop for University lecturers: Salahaddin University, Erbil, Kurdistan Region – IRAQ. 19/1 to 3/3/2013.
- EndNote software workshop to lecturers at Biology department, Education College, Salahaddin University, Erbil. Kurdistan Region – IRAQ. 26 – 27 April 2013.
- Moodle program, Salahaddin University Research Centre – Erbil – IRAQ. 13 Nov. 2019.

#### **Member in M Sc thesis discussion committee:**

- 12-09-2013 Nasraddin, Maisoon Omer. Some ecological aspects of monogenean infections in some fishes from Lesser Zab river near Koysinjq city, Kurdistan region, Iraq. Dept. Biology, College of Science, Salahaddin University.
- 02-05-2021 Myaser Taymor Ismael. Prevalence of Bovine fasciolosis in Hawler Modern Abattoir, Erbil, Kurdistan region, Iraq. Dept. Biology, College of Education, Salahaddin University.

#### **Papers presented at scientific conferences**

- King, J. S., McAllan, B., Spielman D., Lindsay, S. A., Hůrková-Hofmannová, L., Hartigan, A., Al-Qassab, S. E., Ellis J. T., Šlapeta, J. Extensive production of *Neospora caninum* tissue cysts in a carnivorous marsupial succumbing to experimental neosporosis. Australian Society of Parasitology Meeting, Pullman Reef Casino, Queensland, Australia (2011).
- King, J. S., Slapeta, J., Jenkins, D. J., Al-Qassab, S. E., Ellis, J. T., Windsor, P. A., Australian dingoes are defective hosts of *Neospora caninum*. ICOPA, Melbourne, Australia (2010).
- Al-Qassab, S., Reichel, M. P., Hall, G., Johnson, M., Windsor, P. A., Jenkins, D., Su, C., Dubey, J. P., Ellis, J. T. Isolation of *Toxoplasma gondii* from the brain of a dog in Australia and its biological and molecular characterisations. British Society of Parasitology Meeting, Edinburgh, U.K. (2009).
- Al-Qassab, S., Reichel, M. P., Ivens, A., Ellis, J.T., Genetic diversity detected amongst isolates of *Neospora caninum* and development of a multiplex PCR for typing strains. British Society of Parasitology Meeting, Edinburgh, U.K. (2009).
- Al-Qassab, S., Reichel, M. P., Hall, G., Johnson, M., Windsor, P. A., Jenkins, D., Su, C., Dubey, J. P., Ellis, J. T. Isolation of *Toxoplasma gondii* from the brain of a dog in Australia and its biological and molecular characterisations. Australian Society of Parasitology Meeting, Adelaide, Australia (2008).

## **Recreation**

Family outings, Reading and Gardening.

## **Additional Skills**

Fluent in Kurdish, Turkman and Arabic.

## **Appointed Referees**

### **Prof. John T. Ellis**

Department of Medical and Molecular Biosciences,

University of Technology, Sydney,

P. O. Box 123, Broadway,

New South Wales 2007, Australia

Tel.: +61-2-9514-4161

Fax: +61-2-9514-8206.

Email: [John.Ellis@uts.edu.au](mailto:John.Ellis@uts.edu.au)

### **Dr David Jenkins**

Animal and Veterinary Science

Building 281, Room 202

Charles Sturt University

Wagga Wagga NSW 2650, Australia

Tel. : +61-2-6933 4179

Fax : +61-2-6933 2991

e-mail: [djjenkins@csu.edu.au](mailto:djjenkins@csu.edu.au)

### **Prof. Michael Reichel**

Veterinary Epidemiology and Public Health

School of Veterinary Science

Eastick Building

Roseworthy Campus

The University of Adelaide, 5371, Australia.

Tel. : +61-8-8313 7882

Fax : +61-8-8313 7956

e-mail: [michael.reichel@adelaide.edu.au](mailto:michael.reichel@adelaide.edu.au)

**Dr Jan Slapeta**

McMaster Building (B14),  
Faculty of Veterinary Science,  
University of Sydney  
NSW 2006, Australia  
Tel. : +61-2-9351 2025  
Fax: +61-2-9351 7348  
e-mail: [jslapeta@usyd.edu.au](mailto:jslapeta@usyd.edu.au)