



Name: Rafat Al Jassim

Email: r.aljassim@uq.edu.au

Phone: + 61 754601521 (office)

Phone: + 61 401640841 (mobile)

Senior Lecturer, School of Agriculture and Food Sciences, Faculty of Science, The University of Queensland, Gatton Campus QLD 4343, Australia. My research programs on camels focus on the microbial ecology of the foregut and the hindgut of the Arabian camel (*Camelus dromedarius*) with a view to selecting high efficiency lactate utilising bacteria and fibre degrading bacteria and fungi of commercial benefits. Identification and characterisation of the predominant lactic acid producing and utilising bacteria were carried out during the 2005-2008. Recent work in our laboratory during 2008-2009 led to the completion of the 16S rDNA library of the camel's foregut bacterial population. The bacterial diversity of fibre degrading bacteria and the effect of fibre source were also established during this year. In 2010 we started another project investigating the benefits of co-grazing camels with cattle in the tropics. Results up to date are showing some benefits to cattle.

Publications related to Camelid (Last ten years)

1. Anjas A. Samsudin, Paul N. Evans, André-Denis G. Wright, **Rafat Al Jassim**. (2011). Molecular diversity of the foregut bacteria community in the dromedary camel (*Camelus dromedarius*), *Environmental Microbiology*, 13 (11): 3024-3035.
2. Ghali, M. B., Scott, P. T., Alhadrami, G. A. and **Al Jassim, R. A. M.** (2011). Identification and characterisation of the predominant lactic acid producing and utilising bacteria in the foregut of the feral camel (*Camelus dromedarius*) in Australia. *Animal Production Science*. 2011, 51:597-604.
3. M. B. Ghali, P. T. Scott and **R. A. M. Al Jassim** (2004). Characterisation of *Streptococcus bovis* from the rumen of the dromedary camel and Rusa deer. *Letters in Applied Microbiology* 39: 341-346.