

# ANIMAL PRODUCTION SCIENCE

## CONTENTS Volume 50, Issue 1, 2010, 1–77

Utilisation of bacterial (*Rubrivivax gelatinosus*) biomass for egg yolk pigmentation  
*Lorryne Bernegossi Polonio, Elisa Helena Giglio Ponsano, Marcos Franke Pinto and Manoel Garcia-Neto* 1–5

Optimal management of fertiliser and stocking rate in temperate grazing systems  
*Karel Mokany, Andrew D. Moore, Phillip Graham and Richard J. Simpson* 6–16

Short-term measurement of N<sub>2</sub>O emissions from sheep-grazed pasture receiving increasing rates of fertiliser nitrogen in Otago, New Zealand  
*S. A. Letica, C. A. M. de Klein, C. J. Hoogendoorn, R. W. Tillman, R. P. Littlejohn and A. J. Rutherford* 17–24

Estimates of genetic and phenotypic parameters for production, haematological and gastrointestinal nematode-associated traits in Australian Angora goats  
*S. Bolormaa, M. Olayemi, J. H. J. van der Werf, N. Baillie, F. Le Jambre, A. Ruvinsky and S. W. Walkden-Brown* 25–36

Effects of *ad libitum* mineral consumption in Iberian red deer hinds and calves  
*Francisco Ceacero, Tomás Landete-Castillejos, Andrés J. García, José A. Estévez, Enrique Gaspar-López and Laureano Gallego* 37–44

Feed intake, digestibility, and carcass characteristics of lambs fed a diet supplemented with soluble fibre  
*R. Bodas, S. López, A. B. Rodríguez, S. Andrés, A. R. Mantecón and F. J. Giráldez* 45–51

Effects of feeding fresh citrus pulp to Merino wethers on wool growth and animal performance  
*Y. T. E. Fung, J. Sparkes, I. Van Ekkris, A. V. Chaves and R. D. Bush* 52–58

Utilisation of forage rape (*Brassica napus*) and Persian clover (*Trifolium resupinatum*) diets by sheep: effects on whole tract digestibility and rumen parameters  
*R. Kaur, S. C. Garcia, W. J. Fulkerson and I. Barchia* 59–67

Exposure to androgenised steers did not improve the fertility obtained in progesterone-based fixed-timed artificial insemination programs in extensively managed cows and heifers  
*R. Ungerfeld* 68–71

Continuous monitoring of ruminal pH using wireless telemetry  
*N. Phillips, T. Mottram, D. Poppi, D. Mayer and M. R. McGowan* 72–77