

Contents

Volume 63 Issue 18 2023

Recent Advances in Animal Nutrition – Australia 2023 27–28 July 2023, Gold Coast, Queensland

Foreword

Recent Advances in Animal Nutrition – Australia 2023

Frances C. Cowley

ii–v

McClymont Rural Science Review

The societal role of meat: the Dublin Declaration with an Australian perspective

David W. Pethick, Wayne L. Bryden, Neil J. Mann, David G. Masters and Ian J. Lean

1805–1826

Annison-Leng Oration

Importance of circadian rhythms in dairy nutrition

Kevin J. Harvatine

1827–1836

Cumming-Farrell Oration

Net protein contribution from an intensive Australian pork supply chain

R. J. van Barneveld, R. J. E. Hewitt and D. N. D'Souza

1837–1850

Invited papers

Revisiting tropical pasture intake: what has changed in 50 years?

E. Charmley, D. Thomas and G. J. Bishop-Hurley

1851–1865

A conceptual framework for modelling the role of livestock systems in sustainable diets and a sustainable planet

J. C. H. Dougherty, B. Ridoutt, M. K. Jackson, M. Arsic, P. Julianio and V. H. Oddy

1866–1886

Aquaculture nutrition in Australia: challenges and trends

H. H. Truong, B. M. Hines, A. N. Rombenso and C. J. Simon

1887–1898

The challenge to reduce crude protein contents of wheat-based broiler diets

Peter H. Selle, Shemil P. Macelline, Peter V. Chrystal and Sonia Yun Liu

1899–1910

Advances in prebiotics for poultry: role of the caeca and oligosaccharides

Natalie K. Morgan

1911–1925

Interactions of diet and circadian rhythm to achieve precision nutrition of poultry

Amy F. Moss, Thi Hiep Dao, Tamsyn M. Crowley and Stuart J. Wilkinson

1926–1932

Market-driven assessment of alternate aquafeed ingredients: seafood waste transformation as a case study

Janet Howieson, Md Reaz Chaklader and Wing H. Chung

1933–1948

The role of black soldier fly larval protein and fat in companion-animal nutrition: challenges and opportunities from an industry perspective

Anna Sutton and Nick D. Costa

1949–1957

Multispecies forages in the Australian dairy feedbase: is there a biological business case?

Anna L. Thomson and Rodrigo I. Albornoz

1958–1969

Malnutrition of pregnant beef cows and the impact on passive immunity transfer to calves

L. F. P. Silva, L. G. S. Coimbra and K. Eyre

1970–1982

Abstracts

Extended Abstracts of Short Presentations at Recent Advances in Animal Nutrition – Australia 2023

i–xxvii