

CONTENTS

ORIGINAL ARTICLES

- 1 On farm observations to increase genetic gain in breeding schemes for village poultry production – A simulation study
Thinh Tuan Chu, John W.M. Bastiaansen, Elise Norberg and Peer Berg
- 11 Incorporation of observations with different residual error variances into existing complex test-day models
T. J. Pitkänen, E. A. Mäntysaari, U. S. Nielsen, G. P. Aamand, P. Madsen, J.-Å. Eriksson and M. H. Lidauer
- 25 Ranking cows' methane emissions under commercial conditions with sniffers versus respiration chambers
G. F. Difford, D. W. Olijhoek, A. L. F. Hellwing, P. Lund, M. A. Bjerring, Y. de Haas, J. Lassen and P. Løvendahl
- 33 Effects of sensor location during *in situ* measurements on pH in caecal digesta of the horse, and post-observational treatment of sensor data
J. A. Næsset, K. Hove and R. B. Jensen
- 39 Activity patterns of free-ranging beef cattle in Norway
Morten Tofastrud, Hilde Hegnes, Olivier Devineau and Barbara Zimmermann
- 48 The effect of feed barrier design on displacements during feeding of dairy cows in small herds
K. E. Bøe, G. Hansen and L. E. Ruud
- 52 Piglet mortality – A parallel comparison between loose-housed and temporarily confined farrowing sows in the same herd
Anne-Charlotte Olsson, Jos Botermans and Jan-Eric Englund