

## ANIMAL, VOLUME 4 - ISSUE 03

Guest editorial: Livestock and global climate change  
G. Simm

[animal, Volume 4, Issue 03, March 2010, pp 321-322](#)

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Mitigating climate change: the role of domestic livestock  
M. Gill and P. Smith and J. M. Wilkinson

[animal, Volume 4, Issue 03, March 2010, pp 323-333](#)

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Mitigating the greenhouse gas balance of ruminant production systems through carbon sequestration in grasslands  
J. F. Soussana and T. Tallec and V. Blanfort

[animal, Volume 4, Issue 03, March 2010, pp 334-350](#)

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Methane mitigation in ruminants: from microbe to the farm scale  
C. Martin and D. P. Morgavi and M. Doreau

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Developing breeding schemes to assist mitigation of greenhouse gas emissions  
E. Wall and G. Simm and D. Moran

[animal, Volume 4, Issue 03, March 2010, pp 366-376](#)

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Climate change and infectious disease: helminthological challenges to farmed ruminants in temperate regions  
J. van Dijk and N. D. Sargison and F. Kenyon and P. J. Skuce

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Policy options in addressing livestock's contribution to climate change  
P. Gerber and N. Key and F. Portet and H. Steinfeld

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The effects of a loin muscling quantitative trait locus (LoinMAX™) on carcass and VIA-based traits in crossbred lambs  
A. Y. Masri and N. R. Lambe and J. M. Macfarlane and S. Brotherstone and W. Haresign and E. Rius-Vilarrasa and L. Büniger

[animal, Volume 4, Issue 03, March 2010, pp 407-416](#)

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Quantitative trait loci analysis of osteochondrosis traits in the elbow joint of pigs  
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[animal, Volume 4, Issue 03, March 2010, pp 417-424](#)

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Estimates of (co)variance components and genetic parameters for body weights and first greasy fleece weight in Bharat Merino sheep  
G. R. Gowane and A. Chopra and L. L. L. Prince and C. Paswan and A. L. Arora

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Digestibility of whole-crop barley and oat silages in dairy heifers  
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Effects of defaunation on digestion of fresh *Digitaria decumbens* grass and growth of lambs  
M. Eugène and D. Sauvant and J. L. Weisbecker and H. Archimède

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Estrous behavior in dairy cows: identification of underlying mechanisms and gene functions  
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Dietary genistein stimulates mammary hyperplasia in gilts

C. Farmer and M. F. Palin and G. S. Gilani and H. Weiler and M. Vignola and R. K. Choudhary and A. V. Capuco

[animal, Volume 4, Issue 03, March 2010, pp 454-465](#)

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The myostatin null mutation and clenbuterol administration elicit additive effects in mice

A. C. Dilger and S. R. Gabriel and L. W. Kutzler and F. K. McKeith and J. Killefer

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Ram-induced oestrus and ovulation in lactating and weaned Corriedale ewes

D. A. Pevsner and R. M. Rodríguez Iglesias and N. H. Ciccioli

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Influence of sward structure on daily intake and foraging behaviour by horses

G. Fleurance and P. Duncan and H. Fritz and I. J. Gordon and M.-F. Grenier-Loustalot

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Effects of sire breed on ewe dystocia, lamb survival and weaned lamb output in hill sheep systems

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