Refereed Journal Articles

- **D. Vyas**, A. Alemu, S. M. McGinn, S. M. Duval, M. Kindermann, and K. A. Beauchemin. 2017. The combined effects of supplementing monensin and 3-nitrooxypropanol on methane emissions, growth rate, and feed conversion efficiency in beef cattle fed high forage and high grain diets. (Accepted: J. Anim. Sci.)
- Y. Jiang, I. M. Ogunade, K. G. Arriola, **D. Vyas**, C. Staples, and A. T. Adesogan. 2017. Effect of sequestering agents based on a Saccharomyces cerevisiae fermentation product and clay on the performance of lactating dairy cows challenged with dietary aflatoxin B1. J. Dairy Sci. 101(4): 3008-3020.
- I. M. Ogunade, C. Martinez-Tuppia, O. C. M. Queiroz, Y. Jiang, P. Drouin, F. Wu, **D. Vyas**, and A. T. Adesogan. Mycotoxins in Silage: Occurrence, Effects, Prevention and Mitigation. J. Dairy Sci. 101(5): 4034-4059.
- I. M. Ogunade, D. H. Kim, Y. Jiang, A. A. Pech Cervantes, K. G. Arriola, **D. Vyas**, Z. G. Weinberg, K. C. Jeong, and A. T. Adesogan. 2017. Metagenomic analysis of bacterial diversity and taxonomy in alfalfa silage contaminated with Escherichia coli O157:H7 and treated with microbial and chemical additive. J. Dairy Sci. 100 (3): 1780-1794.
- Y. Jiang, I. M. Ogunade, K. G. Arriola, **D. Vyas**, C. Staples, and A. T. Adesogan. 2017. Effects of the dose and viability of *Saccharomyces cerevisiae*. 1. Ruminal fermentation, performance of lactating dairy cows and correlations between ruminal bacteria abundance and performance measures. J. Dairy Sci. 100(10): 8102-8118.
- A. Alemu, **D. Vyas**, S. M. McGinn, and K. A. Beauchemin. 2017. Enteric methane emissions from low- and high-residual feed intake beef heifers measured using GreenFeed and respiration chamber techniques. J. Anim. Sci. 95(8): 3727-3737.
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- I. M. Ogunade, Y. Jiang, D. H. Kim, A. A. Pech Cervantes, K. G. Arriola, **D. Vyas**, Z. G. Weinberg, K. C. Jeong, and A. T. Adesogan. 2017. Fate of *E. coli* O157:H7 and illumina-based metagenomic analysis of bacterial diversity in contaminated corn silage treated with microbial and chemical additives. J. Dairy Sci. 100(3): 1780-1794.
- **D. Vyas**, S. M. McGinn, S. M. Duval, M. Kindermann, and K. A. Beauchemin. 2016. Determining the optimal dose of 3-nitrooxypropanol for reducing enteric methane emissions from beef cattle fed a high forage and high grain diets. Anim. Prod. Sci. (http://dx.doi.org/10.1071/AN15705)
- **D. Vyas**, S. M. McGinn, S. M. Duval, M. Kindermann, and K. A. Beauchemin. 2016. Effects of sustained reduction of enteric methane emissions with dietary supplementation of 3-

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- **D. Vyas**, T. A. McAllister, S. M. McGinn, O. M. Harstad, and K. A. Beauchemin. 2016. Enteric methane emissions in response to ruminal inoculation of *Propionibacterium* strains in beef cattle fed mixed diet. Anim. Prod. Sci. 56(7): 1035-1040.
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