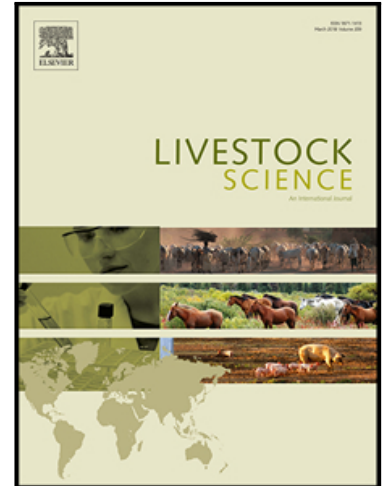


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The time after feeding alters methane emission kinetics in Holstein dry cows fed with various restricted diets



Yannick Blaise ,
Andriamasinoro Lalaina Herinaina Andriamandroso ,
Yves Beckers , Bernard Heinesch , Eloy Castro Muñoz ,
Hélène Soyeurt , Eric Froidmont , Frédéric Lebeau ,
Jérôme Bindelle

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Highlights

- Cattle CH₄ production dynamics are continuously characterized by the exhaled CO₂ : CH₄ ratio.
- CH₄:CO₂ ratio in breath is used to investigate the kinetics of CH₄ production.
- Diets composition influences daily CH₄ emission and eructation frequency.
- Post-feeding time induces differences as high as 100% in the CH₄ emission rates.
- Eating behavior has an impact on the CH₄ emission.

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