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## Publications

Mousa SA, **Malik PK**, Kolte AP, Bhatta R, Kasuga S and Uyeno Y. 2018 Evaluation of in vitro ruminal fermentation of ensiled fruit byproducts and their potential for feed use. Asian-Australasian Journal of Animal Sciences. <https://doi.org/10.5713/ajas.18.0282>

**Malik PK**, Kolte AP, Bakshi B, Baruah L, Dhali A and Bhatta R. 2017. Effect of tamarind seed husk supplementation on ruminal methanogenesis, methanogens diversity and fermentation characteristics. Carbon Management (Greenhouse Gas Measurement and Management), 8: 319-329, <https://doi.org/10.1080/17583004.2017.1357403>

**Malik PK**, Kolte AP, Baruah L, Saravanan M, Bakshi B and Bhatta R. 2017. Enteric methane mitigation in sheep through leaves of selected tanniniferous tropical tree species. Livestock Science, 200:29–34. <https://doi.org/10.1016/j.livsci.2017.04.001>

Bhatta R, Saravanan M, Baruah L, **Malik PK** and Sampath KT. 2017. Nutrient composition, rate of fermentation and in vitro rumen methane output from tropical feedstuffs. Journal of Agricultural Science, 155:171–183. <https://doi.org/10.1017/S0021859616000642>

**Malik PK** and Singhal KK. 2016. Effect of alfalfa fodder supplementation on enteric methane emission measured by sulfur hexafluoride technique in murrah buffaloes. Buffalo Bulletin, 35(1): 125-134.

**Malik PK**, Thulasi A, Soren NM, Jose L, Prasad KS and Prasad CS. 2015. Phylogenic diversity analysis of rumen acetogens in adult sheep fed on conventional roughage diet. Indian Journal of Animal Sciences, 85:1104-1107.

**Malik PK**, Singhal KK, Deshpande SB and RA Siddique. 2012. Mitigation strategies for enteric methane emission with special emphasis on biological approaches: a review. The Indian Journal of Animal Sciences 82 (8)

**Malik PK** and Singhal KK. 2009. Effect of lucerne (Medicago sativa) fodder supplementation on nutrient utilization and enteric methane emission in male buffalo calves fed on wheat straw based total mixed ration. The Indian Journal of Animal Sciences 79 (4)

**Malik PK** and Singhal KK. 2008. Influence of supplementation of wheat straw based total mixed ration with saponins on total gas and methane production in vitro. The Indian Journal of Animal Sciences 78 (9)

**Malik PK** and Singhal KK. 2008. Influence of lucerne fodder supplementation on enteric methane emission in crossbred calves. The Indian Journal of Animal Sciences 78 (3)