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## Publications

**Bhatta R**, Saravanan M, Baruah L, and Prasad CS (2015) Effects of graded levels of tannin-containing tropical tree leaves on in vitro rumen fermentation, total protozoa and methane production. *Journal of Applied Microbiology*, 118, 557-564

**Bhatta R**, Saravanan M, Baruah L, Sampath KT and Prasad CS (2013). Effect of plant secondary compounds on in vitro methane, ammonia production and ruminal protozoa population. *Journal of Applied Microbiology*, 115, 455—465

**Bhatta R**, Saravanan M, Baruah L, Malik P K and Sampath KT (2016) Nutrient composition, fermentation characteristics and in vitro rumen methane output from tropical feedstuffs. *Journal of Agricultural Science. Cambridge*, 155 (1), 171-183

**Bhatta R**, Baruah L, Saravanan M, Suresh KP and Sampath KT (2013). Effect of medicinal and aromatic plants on rumen fermentation, protozoa population and methanogenesis in vitro. *Journal of Animal Physiology and Animal Nutrition*. 97(3) 446-456

**Bhatta R**, Enishi O, Yabumoto Y, Nonaka I, Takusari N, Higuchi K, Tajima K, Takenaka A and Kurihara M (2013) Methane reduction and energy partitioning in goats fed two concentrations of tannin from mimosa spp. *Journal of Agricultural Science (Cambridge)*. 151: 119-128

**Bhatta R**, Saravanan M, Baruah L and Sampath KT (2012). Nutrient content, in vitro ruminal fermentation characteristics and methane reduction potential of tropical tannin-containing leaves. *Journal of the Science of Food and Agriculture*. 92:2929-2935

**Bhatta R**, Uyeno Y, Tajima K, Takenaka A, Yabumoto Y, Nonaka I, Enishi O And Kurihara M (2009). Difference in the nature of tannins on in vitro ruminal methane and volatile fatty acid production, and methanogenic archaea and protozoal populations. *Journal Dairy Science*, 92 (11): 5512-5522

**Bhatta R**, Shinde AK, Vaithyanathan S, Sankhyan SK and Verma DL (2002) Effect of polyethylene glycol-6000 on nutrient intake, digestion and growth of kids browsing prosopis cineraria. *Animal Feed Science and Technology*, 101 (1-4): 45-54.

**Bhatta R**, Krishnamoorthy U and Mohammed F (2001) Effect of tamarind (*Tamarindus indica*) seed husk tannins on in vitro rumen fermentation. *Animal Feed Science and Technology*, 90(3-4) 143-152.

**Bhatta R**, Krishnamoorthy U and Mohammed F (2000) Effect of feeding tamarind (*Tamarindus indica*) seed husk as a source of tannin on dry matter intake, digestibility of nutrients and production performance of crossbred dairy cows in mid lactation. *Animal Feed Science and Technology*, 83: 67-74.