

The determination of crude protein degradation of fruit and vegetable wastes using different mathematical models

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Corresponding author:**Mahmood Hamedi****ABSTRACT:**

The aim of this research is to analyze the crude protein degradation of fruit and vegetable wastes. Two fistulated wethers (35±1.8 kg) were utilized as a part of the nylon bag technique. The crude protein disappearance were measured at 0, 4, 6, 8, 12, 16, 24, 48, 72 and 96 h. CP (Crude Protein) degradability of carrot wastes at 96 h was 64.56 which was higher than the vegetable waste showing significant differences ($P<0.05$). The gas generation of carrot wastes at 72 h was higher than the vegetable wastes. Reports of this investigation revealed that model 4 for carrot wastes and model 2 for vegetable wastes were the best fitted models.

Keywords:

Carrot wastes, Vegetable wastes, Crude protein.