

البحث السادس

Abdelkader M. Kholif, Gamal Eldeen Aboul Fotouh, Ola G.A. Hassan, and Abdelalim M. Abd El-Mola (2023). Effect of Addition of Pomegranate Peel in the Ration with or Without Polyethylene Glycol on Productive Performance of Lactating Goats. <i>Egypt. J. Chem.</i> 66, No. SI: 13 635 – 646.	البحث السادس
مشارك مع آخرين داخل وخارج التخصص – منشور.	6
مستخلص من رسالة	

Title	Effect of Addition of Pomegranate Peel in the Ration with or Without Polyethylene Glycol on Productive Performance of Lactating Goats
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Journal	<i>Egypt. J. Chem.</i> 66, No. SI: 13 635 – 646.

ABSTRACT

The industries of pomegranate juice processing generate enormous waste in peel's form. So, the aim of this study is assess the impact of mixing pomegranate peel (PP), detanninated pomegranate peel (DPP) and pomegranate peel with polyethylene glycol (PEG) on the nutrients digestibility, the yield of milk and its composition, feed conversion and some parameters of blood. As well as simple economic assessment of the examined rations are considered. Sixteen lactating Zaraibi goats of about 3-4 years old (an average body weight of about 25 ± 0.5 kg are used). After 14 days of parturition was randomly assigned into four groups, four animals of each tested ration (R) for 90 days, R1: Control: 50% CFM + 25% Egyptian clover and 25% wheat straw, R2: Control ration + 1% PP, R3: Control ration + 1% PP + 20 g (PEG) and R4: Control ration + 1% DPP. The results revealed that: Ration three (R3) was the best ration for daily milk yield and total milk yield, where R4 showed the worst one. Values of digestible crude protein (DCP) intake were higher significantly ($P < 0.05$) for R3 and R2 followed by R4 then R1. Regarding feed conversion, R4 was superior to other tested rations followed by R1 then R3 followed by R2.