

### البحث الخامس

<b>A.M. Abd El-Mola and G.E. Aboul-Fotouh (2018). Effect of feeding <i>Helianthus tuberosus</i> (Jerusalem Artichoke) on rations nutritive value and some blood parameters of Ossimi rams. <i>Egyptian Journal Nutrition and Feeds</i>, 21(2): 325-331</b>	<b>البحث الخامس</b>
مشترك مع آخر في التخصص – منشور	<b>5</b>

<b>Title</b>	<b>Effect of feeding <i>Helianthus tuberosus</i> (Jerusalem Artichoke) on rations nutritive value and some blood parameters of Ossimi rams.</b>
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<b>Journal</b>	<b><i>Egyptian Journal Nutrition and Feeds</i>, 21(2): 325-331</b>

### **Abstract**

The present study was carried out at farm and laboratory of Animal Production Department- Faculty of Agriculture, Fayoum University, Egypt. *Helianthus tuberosus* in Ossimi rams rations were evaluated through digestibility, feeding values and some blood parameters. Ossimi rams weighed 45±5 kg in average were used to evaluate the rations supplemented by *Helianthus tuberosus*. The tested rations were D<sub>1</sub> (control) composed of 60% concentrate mixture (CM) + 40% wheat straw (WS); D<sub>2</sub>, 52.5% CM + 7.5% *Helianthus tuberosus* (HT) +40% (WS); D<sub>3</sub>, 45% CM +15% HT +40% WS and D<sub>4</sub>, 30% CM +30% HT +40% WS. The results revealed that Ossimi rams fed rations of D<sub>2</sub> and D<sub>3</sub> showed higher significantly values (P<0.05) of most digestibility coefficients and feeding values compared with control ration. While, insignificant differences were found between D<sub>1</sub> and D<sub>4</sub> regarding digestibilities and feeding values. The obtained results of some blood parameters showed the same trend of rations digestibilities. Adding *Helianthus tuberosus* in the rations of D<sub>2</sub> and D<sub>3</sub> (7.5 and 15% HT) of Ossimi rams improved nutrients digestibility and feeding values and some blood parameters.