Dear Editor,

I have the pleasure to submit this work on *Astragalus monspessulanus* L. (Fabaceae) growing in semiarid areas of Algeria. The present paper describes the isolation and characterization of seven flavonoids 1-7, two saponins and one lignan from the *n*-butanol extract and two phytosterols and one triterpenoid from the ethyl acetate extract. This result is in good agreement with that of the previous studies made on the *Astragalus* genus, where flavonoids and tritepenic saponins were the major compounds. This work also highlights the difference in chemical composition on flavonoids between *Astragalus monspessulanus* of bulgarian origin and the same species which grows in arid and semi-arid areas of Algeria. In fact only rutin is common. This is also the first report of the occurrence of triterpenic saponins in *Astragalus monspessulanus* L. and the second identification of dehydrosoyasaponin I in the *Astragalus* genus. Furthermore, the antioxidant activity of the *n*-butanol extract of the aerial parts of *Astragalus monspessulanus* by chemical analyses towards DPPH radical, was evaluated with the result that the extract exhibited a moderate antioxidant activity with an IC50 value of 63.60 μg/mL.

Hoping that this paper will meet the Records of Journal of the Serbian Chemical Society of acceptance,

Best regards,

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