

عنوان مقاله:

PHYLOGENY OF ASTRAGALUS SECTION DISSITIFLORI BASED ON nrDNA ITS AND MORPHOLOGICAL DATA
IN IRAN

محل انتشار:

مجله گیاه شناسی ایران، دوره 18، شماره 1 (سال: 1394)

تعداد صفحات اصل مقاله: 9

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خلاصه مقاله:

Twenty four species belonging mainly to *Astragalus* L. section *Dissitiflora* DC. and some related sections were analyzed using maximum parsimony and Bayesian methods on the basis of nrDNA ITS sequences and morphological data. Trees resulted from two datasets were in agreement on their overall topologies. Based on our results, members of the section *Dissitiflora* didn't constitute a monophyletic group. However, the section with inclusion of the species from the other related ones, considered to be a monophyletic group. Since *A. virgatus* as the lectotype of the section *Dissitiflora* was not included in the present study; it is difficult to evaluate the monophyly of the section and to delimit it explicitly. *Astragalus juladakensis*, shows a basal position in both nrDNA ITS and the combined nrDNA ITS-morphology trees, as a sister to the remaining species of the sect. *Dissitiflora*. However, according to the present study, the affinity of this species to the section appeared to be questionable. Based on our molecular data, three species belonging to the section *Corethrum* in Iran, are pertained to the sect. *Dissitiflora*. In addition, our results revealed that *A. pravitzii*, which had been transferred to sect. *Ornithopodium* Bunge, belongs to the section *Dissitiflora*.

کلمات کلیدی:

Astragalus sect. *Dissitiflora*, Bayesian Method, Morphology, nrDNA ITS, parsimony, phylogeny

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