

## Both Floristic Studies and Molecular Markers Are Necessary to Study of the Flora of a Region

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**Abstract :** The studied region in this research, watershed Kuhkamar river, is about 112.66 square kilometers, it is located between 45° 48' 9" to 45° 2' 20" N and 38° 34' 15" to 38° 40' 28" E. The gained results of the studies on flora combinations, proved 287 plant species in 190 genera and 51 families. Asteracea with 49 and Lamiaceae with 27 plant species are the major plant families. Among collected species one interesting plant was found and determined as a new record *Anemone narcissiflora* L. for flora of Iran. This plant is known as a complex species that shows intraspecific speciation and is classified into about 12 subspecies and 10 varieties in world. To identify the infraspecies taxons of this species, in addition to morphological characteristics, the use of appropriate molecular markers for the better isolation of the individuals were needed.

**Keywords :** *Anemone narcissiflora*, floristic Study, kuhkamar, molecular marker

**Conference Title :** ICCMB 2015 : International Conference on Cellular and Molecular Biology

**Conference Location :** Toronto, Canada

**Conference Dates :** June 15-16, 2015