

Collection and Evaluation of the Traditional Application of Some Plants of Jam&Riz

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Abstract:

Introduction: Despite plenty of chemical drugs present in the markets, application of medicinal herbs is going to increase. While long or in some cases sectional usage of these chemical drugs may lead to side effects that sometimes they are more dangerous than its disease. This is a good reason to increase the universal attitude application of medicinal herbs and their productions.

Today, traditional medicine and ethnobotany are two attractive topics in many countries. Traditional medicine is referred to ancient studies and experiments; and ethnobotany is referred to cognition of native herbal science in a region. The aim of ethnopharmacology is to improve the preparation methods of some products that are used by people; however to achieve this goal, some information about active compounds of these plants, the role of these compounds in development of biological effects, and the toxic effects of the plants should be available.

Methods & Materials: In this research, we have collected and identified the plants in some parts of Jam&Riz town. The plants of this region were collected and systematically identified during 2012 and 2013. Furthermore, traditional applications of the collected plants were recorded through interviewing native people of the region.

Results: A total of 74 medical plants belonging to 33 families were identified. *Zataria multiflora*, *Rumex vesicarius*, *Otostegia persica* and *Astragalus fasciculifolius* had the highest cultural importance index.

Zataria multiflora, *Otostegia persica*, *Calatropis procera* and *Ephedra pachyclada* had the highest FRC index, respectively. The highest application was for gastrointestinal disease, epiderm disorders, respiratory disorders, infection diseases, mouth and tooth disease, kidney disorders, respectively.

Conclusion: The results indicated that most plants of the region were valuable medicinal plants.

Keywords: Collection; Traditional applications; Jam&Riz; Medicinal plants.

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