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	<i>Agropyron tauri Astragalus spp - Prangus uloptera</i>	P18		<i>Agropyron tauri Gundeliua tournefortii</i>	P3
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	<i>Acantholimon aspadanum Astragalus spp Onobrychis cornota</i>	P56		<i>Centaurea virgata Astragalus gossypinus</i>	P43

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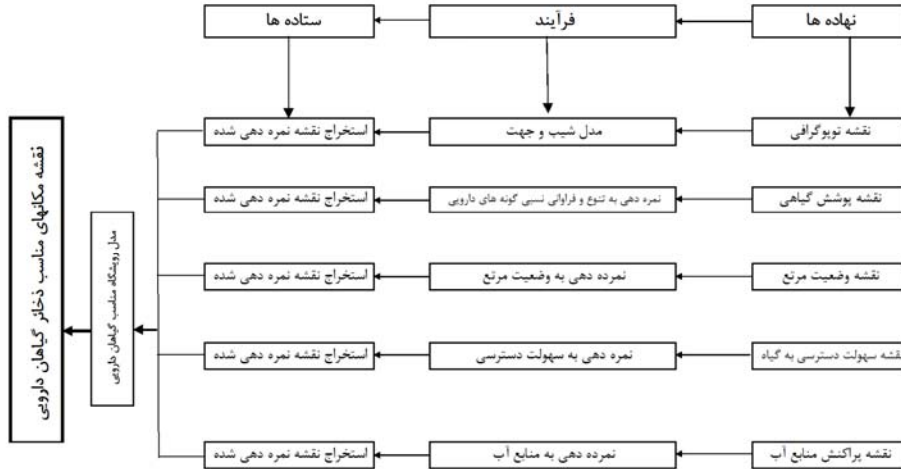
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<i>Sanguisorba minor</i>	Fabaceae		Apiaceae	<i>Eryngium bungei</i>	
<i>Fumaria asepala</i>	Fumariaceae		Apiaceae	<i>Falcaria vulgaris</i>	
<i>Juglans regia</i>	Juglandaceae		Apiaceae	<i>Ferula gumosa</i>	
<i>Marrubium vulgare</i>	Labiatae		Apiaceae	<i>Heracleum persicum</i>	
<i>Mentha longifolia</i>	Labiatae		Asteraceae	<i>Achillea talagonicum</i>	
<i>Nepeta bracteata</i>	Labiatae		Asteraceae	<i>Artemisia fragrans</i>	
<i>Salvia verticillata</i>	Labiatae		Asteraceae	<i>Centaurea solstitialis</i>	
<i>Teucrium orientale</i>	Labiatae		Asteraceae	<i>Cichorium intybus</i>	
<i>Thymus fallax</i>	Labiatae		Asteraceae	<i>Echinops polygamus</i>	
<i>Thymus kotschyanus</i>	Labiatae		Asteraceae	<i>Echinops ritrodes</i>	
<i>Ziziphora clinopoides</i>	Labiatae		Berberidaceae	<i>Berberis vulgaris</i>	
<i>Ziziphora tenuir</i>	Labiatae		Boraginaceae	<i>Anchusa italica</i>	
<i>Allium derderianum</i>	Labiatae		Caryophyllaceae	<i>Dianthus orientalis</i>	
<i>Allium latifolium</i>	Labiatae		Cruciferae	<i>Alyssum bracteatum</i>	
<i>Althaea longipedicellata</i>	Malvaceae		Cruciferae	<i>Alyssum dasycarpum</i>	
<i>Malva sylvestris</i>	Malvaceae		Cruciferae	<i>Alyssum inflatum</i>	
<i>Plantago lanceolata</i>	Plantaginaceae		Cruciferae	<i>Capsella bursa-pastoris</i>	
<i>Agropyron repens</i>	Poaceae		Cruciferae	<i>Descurainia Sophia</i>	
<i>Rheum ribes</i>	Polygonaceae		Cupressaceae	<i>Juniperus communis</i>	
<i>Rumex scutatus</i>	Polygonaceae		Elaeagnaceae	<i>Hippophae rhamnoides</i>	
<i>Amygdalus eburnean</i>	Rosaceae		Fabaceae	<i>Alhagi camelorum</i>	
<i>Amygdalus lycioides</i>	Rosaceae		Fabaceae	<i>Astragalus gossypinus</i>	
<i>Crataegus monogyna</i>	Rosaceae		Fabaceae	<i>Glycyrrhiza glabra</i>	
<i>Salix wilhelmsiana</i>	Salicaceae		Fabaceae	<i>Melilotus officinalis</i>	
<i>Tamarix ramosissima</i>	Tamaricaceae		Fabaceae	<i>Coronilla varia</i>	
<i>Urtica urens</i>	Urticaceae		Fabaceae	<i>Goebellia alupecuroides</i>	
			Fabaceae	<i>Trifolium repens</i>	

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	S ₃	/		P34		S ₂	/		P6
	N	/		P35	/	N	/		P7
	N	/		P36	/	S ₃	/		P8
	S ₂	/		P37		S ₃	/		P9
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	N	/		P39		S ₃	/		P11
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	N	/		P54		S ₃	/		P26
	N	/		P55		N	/		P27
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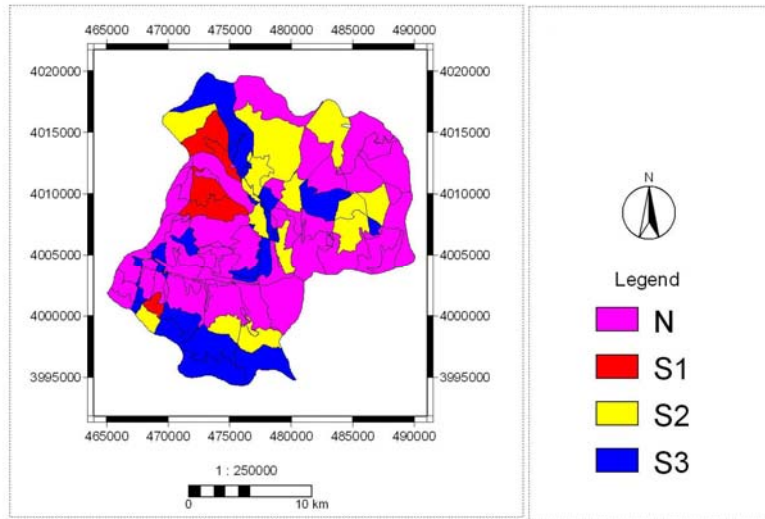
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Role of medicinal plants in critical rangeland management

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Abstract

Rangeland is the natural and real habitat for medicinal plants. The rangeland stakeholders, by emphasizing on sustainable conservation and exploitation of this natural asset, in framework of strategic planning for multiple use of rangelands, recognition and evaluation of suitable growth environment of these plants under the term of rangeland suitability, have in their programs. In this research, diversity and relative frequency of medicinal plants, in Taleghan rangeland plant types have been evaluated. Planning for determination priority of the use of medicinal plant growth places was made by FAO method and GIS with the scale of 1:50000. Consequently, the suitable growing habitats of medicinal plants were determined by using GIS and ecological analysis of these growth habitats to provide a model. The results showed that out of 175 plant species, recognized in the region, 53 were medicinal plants. These plants which are without any value in livestock husbandry make the dominant vegetation of weak and critical rangelands. Based on the map of suitability, about 2430.32 ha (6.42%) of the rangeland having optimum diversity and medicinal plant growth habitats are in high suitability (priority of one), 7716.80 ha (20.3%) in average suitability and 7500 ha (19.75%) in low suitability. As the development, conservation and sustainable exploitation of medicinal plants depend on reproduction of these species based on scientific studies, management and conservation of optimum growth habitats (high suitability), as the seed bank reserves of medicinal plants, are recommended.

Keywords: Medicinal plants, Multiple use, Geographical Information Systems.