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Eucalyptus gunni

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	Cp3			Md1	
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	/	/	/	<i>Platanus orientalis</i>		
	/	/	/	<i>Pinus nigra</i>		
/	/	/	/	<i>Robinia peseudoacacia</i>		
/	/	/	/	<i>Fraxinus rotundifolia</i>		
/	/	/	/	<i>Acer negundo</i>		
/				<i>Ailantus glandulosa</i>		
/	/			<i>Ulmus densa</i>		
/	/	/	/	<i>Thuja orientalis</i>		
/	/	/	/	<i>Cupressus arizonica</i>		
		/	/	<i>Cercis griffithii</i>		
		/	/	<i>Robinia peseudoacacia,</i> <i>Fraxinus rotundifolia,...</i>		

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Elaeagnus angustifolia, *Fraxinus persica*, ()
Juniperus excelsa, *Berberis vulgaris*, *Rosa*
canina, *Cupressus sempervirens* var.
horizontalis, *Rhus coriaria*, *Celtis*
caucasica, *Amygdalus scoparia*, *Prunus*
cerasifera, *Ligusterum vulgare*.

Pinus nigra Var. *carmanica*, *Robinia*
pseudoacacia, *Juniperus virginiana*, *Acer*
negundo, *Ailanthus glandulosa*, *Cupressus*
arizonica, *Morus alba*.

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				pH	Ec	ppm		ppm							
	Cp1			/	/	/	/	/	/	/				/	
	Cp1		/	/	/	/	/	/	/	/				/	
	Cp2		/	/	/	/	/	/	/	/				/	
	Cp2		/	/	/	/	/	/	/	/				/	
	Cp3		/	/	/	/	/	/	/	/				/	
	Cp3		/	/	/	/	/	/	/	/				/	
	Dp1		/		/		/	/	/	/				/	
	Dp1		/	/	/		/	/	/	/				/	
	Dp2		/	/	/		/	/	/	/				/	
	Dp2		/	/	/		/	/	/	/				/	
	Dp3		/		/		/	/	/	/				/	
	Dp3		/	/	/		/	/	/	/				/	
	Md1		/	/	/		/	/	/	/				/	
	Md1		/	/	/		/	/	/	/				/	
	Md2		/	/	/		/	/	/	/				/	
	Md2		/		/		/	/	/	/				/	
	Md3		/	/	/		/	/	/	/				/	
	Md3		/	/	/		/	/	/	/				/	

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An Investigation of the Quantitative and Qualitative Characteristics of Torogh Forest Park

M. Kolahi¹, V. Etemad^{*2}, M. Namiranian³, Gh. Zahedi⁴ and A. Khosrojerdi⁵

¹ M.S.in Forestry, Natural Resources Faculty, University of Tehran, I. R. Iran

² Asst Prof. Natural Resources Faculty, University of Tehran, I. R. Iran

³ Assoc. Prof. Natural Resources Faculty, University of Tehran, I. R. Iran

⁴ Assoc. Prof. Natural Resources Faculty, University of Tehran, I. R. Iran

⁵ Staff Member, Mashhad Natural Resources Research Center, I. R. Iran

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Abstract

The forest park of Torogh, with an area of 164 ha is the host to three tree types namely: pure hardwood, mixed hardwood and pure conifer. To investigate the quantitative and qualitative characteristics of these afforestations a random-systematic sampling method with a grid of 80×110 (meters) was used. Also, to identify soil type and its role in trees, vitality, three profiles in each type of habitat were dug. Results indicated that hardwood and conifer species make up to 79% and 21% of the park's tree cover respectively, where *Platanus* (33%), *Pinus* (21%), *Robina* (19%) and *Fraxinus* (18%) represent the highest frequency. Analysis of parameters through PCA method showed that the soil had medium texture and contained lime, causing the rareness of nutrients besides a loss of humidity. So due to these short comings most of trees suffer from medium to weak vitality and up to now approximately 18% of the trees have inevitably been cut. Nevertheless, the species of: *Ailantus*, *Fraxinus* and *Pinus* which have exhibited comparative success, are suggested for the future afforestation expansion in this park.

Keywords: Forest park, Afforestation, Hardwood, Mixedwood, Soil, Softwood

* Corresponding author:

Tel:

, Fax:

E-mail:etemad@nrf.ut.ac.ir