LIST OF TABLES

		* ****	
Table No. Title			Page
1.	Effect of water stress on growth of		
	Dodonaea viscosa L.	•••	20
2.	Effect of NaC1 salinity on growth		
	of <u>D</u> . <u>viscosa</u> L.	•••	21
3.	Effect of water stress on biomass		
	(fresh and dry weight) production in		
	<u>D</u> . <u>viscosa</u> L.	• • •	26
4.	Effect of NaC1 salinity on biomass		
	(fresh and dry weight) production in		
	<u>D</u> . <u>viscosa</u> L.	• • •	27
5.	Effect of water stress and NaC1		
	salinity on the moisture content of	· .	
	different parts of <u>D</u> . <u>viscosa</u> L.	•••	32
6.	Effect of water stress on acidity		
	status (TAN) and pH of the leaves		
	of <u>D</u> . <u>viscosa</u> L.	• • •	34
7.	Effect of NaC1 salinity on acidity		
	status (TAN) and pH of the leaves		
	of <u>D</u> . <u>viscosa</u> L.	•••	36

(iy)

Table No. Title			Page
8.	Effect of water stress on chlorophyll		
	contents of the leaves of <u>D</u> . <u>viscosa</u> L.		39
9.	Effect of NaC1 salinity on chlorophyll		
	contents of the leaves of <u>D</u> . <u>viscosa</u> L.	• • •	42
10.	Effect of water stress on carbohydrate		
	and polyphenol contents of the leaves		
	of <u>D</u> . <u>viscosa</u> L.	•••	45
11.	Effect of NaC1 salinity on carbohydrate		
	and polyphenol contents of the leaves		
	of <u>D</u> . <u>viscosa</u> L.	•••	47
12.	Effect of water stress on proline		
	contents of the leaves of <u>D.viscosa</u> L.	•••	56
13.	Effect of NaC1 salinity on electrical		
	conductivity of the leaves and roots	,	
	and proline contents of the leaves of		
	<u>D</u> . <u>viscosa</u> L.	•••	58
14.	Effect of water stress on the activity		
	of peroxidase in the leaves and roots		
	of <u>D</u> . <u>viscosa</u> L.	• • •	62
15.	Effect of NaC1 salinity on the activity		
	of peroxidase in the leaves and roots		
	of <u>D</u> . <u>viscosa</u> L.	• • •	63

 $\langle V \rangle$

Table No. Title			Page
16.	Effect of water stress on the activity		
	of catalase in the leaves and roots of		
	<u>D</u> . <u>viscosa</u> L.		64
17.	Effect of NaC1 salinity on the activity		
	of catalase in the leaves and roots of		
	<u>D</u> . <u>viscosa</u> L.		65
18.	Effect of water stress on the activity		
	of acid phosphatase in the leaves and		
	roots of <u>D</u> . <u>viscosa</u> L.		69
19.	Effect of NaC1 salinity on the activity,		
	of acid phosphatase in the leaves and		
	roots of <u>D</u> . <u>viscosa</u> L.	•••	70
20.	Effect of water stress on the activity		
	of nitrate reductase (NR) in the leaves		
	and roots of <u>D</u> . <u>viscosa</u> L.	• • •	76
21.	Effect of NaC1 salinity on the activity		
	of nitrate reductase (NR) in the leaves		
	and roots of <u>D</u> . <u>viscosa</u> L.		77
22.	Effect of water stress on inorganic		
	constituents (Macronutrients) in root,		
	stem and leaves of <u>D</u> . <u>viscosa</u> L.		80

(vi)

Table	eNo. Title		Page
23.	Effect of NaC1 salinity on inorganic		
	constituents (Macronutrients) in root,		
	stem and leaves of <u>D</u> . <u>viscosa</u> L.	•••	81
24.	Effect of Water stress on inorganic		
	constituents (Micronutrients) in root,		
	stem and leaves of <u>D</u> . <u>viscosa</u> L.	•••	100
25.	Effect of NaC1 salinity on inorganic		
	constituents (Micronutrients) in		
	root, stem and leaves of <u>D. viscosa</u> L.		101

(vii)