

L I S T O F I L L U S T R A T I O N S

Plate No.	Title	Placed after Page No.
1.	Map of Baroda. ...	15
2.	<u>Abutilon ramosum</u> (a close-up) ...	36
3.	(a) <u>A. ramosum</u> plants growing in association with <u>Achyranthes aspera</u> under the shade of <u>Tamarindus indica</u> tree at Navlakhi area, L.V. Palace compound. ...	36
	(b) - " - (a close-up)	
4.	<u>A. ramosum</u> (habit sketch) ...	39
5.	<u>A. ramosum</u> ...	43
	(a) Segment of cross-section of root (X 100)	
	(b) Cross-section of leaf (X 150)	
6.	<u>A. ramosum</u> ...	43
	(a) Cross-section of stem (X 50)	
	(b) Segment of cross-section of stem (X 225)	
	(c) Cross-section of petiole (X 50)	
	(d) Surface view of lower epidermis of leaf (X 500)	
	(e) Surface view of upper epidermis of leaf (X 500)	
7.	<u>A. ramosum</u> ...	43
	(a) Surface view of upper epidermis of leaf	
	(b) Surface view of lower epidermis of leaf	
	(c) Cross-section of leaf.	
8.	Seeds of <u>A. ramosum</u> ...	46
9.	Germination of seeds of <u>A. ramosum</u> ...	109
	(a) Early stages	
	(b) Late stages.	

Plate No.	Title	Placed after Page No.
10.	Growth performance of <u>A. ramosum</u> under varying light intensity - I. Full sunlight, II. Approx. 75% sunlight, III. Approx. 50% sunlight, IV. Approx. 25% sunlight.	114
11.	<u>E. geniculata</u> (a) Plants growing on the side of an irrigation channel in Cotton Farm at Surat, (b) Twig at fruiting stage (a close-up)	143
12.	A community of <u>E. geniculata</u> in University Library area.	143
13.	(a) <u>E. geniculata</u> plants growing on the edge of a field of <u>Hibiscus esculentus</u> in a private orchard at Surat, (b) - " - (a close-up)	143
14.	<u>E. geniculata</u> (a) Segment of cross-section of root (X 100) (b) Cross-section of stem (X 20) (c) Segment of cross-section of stem (X 100)	149
15.	<u>E. geniculata</u> (a) Cross-section of petiole (X 75) (b) Cross-section of leaf (X 75) (c) Surface view of upper epidermis of leaf (X325) (d) Surface view of lower epidermis of leaf (X325)	149
16.	<u>E. geniculata</u> (a) Surface view of upper epidermis of leaf (b) Surface view of lower epidermis of leaf (c) Cross section of leaf.	149

Plate No.	Title	Placed after Page No.
17.	<u>E. geniculata</u>	153
	(a) Seeds	
	(b) Different stages of germination.	
18.	Growth performance of <u>E. geniculata</u> under varying light intensity -	194
	I. Full sunlight, II. Approx. 75% sunlight, III. Approx. 50% sunlight, IV. Approx. 25% sunlight.	
19.	<u>R. humilis</u> - A twig with blooming and fruiting inflorescences	217
20.	(a) A community of <u>R. humilis</u> under the shade of <u>Thevetia neriiifolia</u> in a private orchard at Surat.	217
	(b) A community of <u>R. humilis</u> under the shade of <u>Ficus hispida</u> in L.V.Palace compound, Baroda.	
21.	<u>Rivinia humilis</u> (Habit Sketch)	220
22.	(a) A twig of <u>R. humilis</u> (A close-up)..	220
	(b) <u>R. humilis</u> - A twig with fruiting inflorescences(A close-up)	220
23.	<u>R. humilis</u>	223
	(a) Segment of cross-section of root (X 100)	
	(b) Segment of cross-section of stem (X 75) ...	
	(c) Cross-section of leaf (X 100)	
	(d) Surface view of lower epidermis of leaf (X250)	
	(e) Surface view of upper epidermis of leaf (X250)	

Plate No.	Title	Placed after Page No.
24.	<u>R. humilis</u>	223
	(a) Cross-section of petiole (diagramatic)	
	(b) Segment of cross-section of petiole	
25.	<u>R. humilis</u>	223
	(a) Surface view of upper epidermis of leaf.	
	(b) Surface view of lower epidermis of leaf.	
26.	<u>R. humilis</u>	226
	(a) Different stages of germination.	
	(b) Seeds.	
27.	Growth performance of <u>R. humilis</u> under varying light intensity -	275
	I. Full sunlight, II. Approx. 75% Sunlight, III. Approx. 50% sunlight, IV. Approx. 25% sunlight.	
