

Appendix XIV Phytosociological analysis of shrubs in the riverine forests

Species	Coimbatore FD				Attappady Rf			
	Frequency	Abundance	Density	IVI	Frequency	Abundance	Density	IVI
<b>Medicinal shrubs</b>								
<i>Acalypha fruticosa</i>	3	2	0.10	4	-	-	-	-
<i>Chromolaena odorata</i>	10	9	1.48	28	5	1	8.90	4
<i>Colocasia esculenta</i>	-	-	-	-	4	4	0.23	5
<i>Crotalaria verrucosa</i>	2	5	0.15	4	-	2	4.50	5
<i>Glycosmis arborea</i>	8	9	1.18	29	15	5	8.88	20
<i>Homonoia riparia</i>	22	5	1.82	51	41	20	4.95	108
<i>Justicia betonica</i>	-	-	-	-	1	1	0.02	1
<i>Lantana camara</i>	2	1	0.03	2	-	-	-	-
<i>Ludwigia octovalvis</i>	15	4	0.95	29	20	4	3.80	24
<i>Polygonum barbatum</i>	8	3	0.40	15	45	7	3.00	66
<i>Ricinus communis</i>	2	5	0.15	4	5	2	4.50	4
<i>Solanum erianthum</i>	10	2	0.35	16	3	2	2.10	3
<i>Solanum indicum</i>	3	1	0.07	4	1	1	1.33	1
<i>Solanum torvum</i>	13	4	0.78	23	6	3	3.62	6
<i>Toddalia asiatica</i>	1	1	0.02	1	-	-	-	-
Other shrubs*	13 species				6 Species			
<i>Artemisia nilagirica</i>	2	4.50	0.1500	2.93	-	-	-	-
<i>Breynia retusa</i>	6	4	0.42	15	2	1.00	0.0333	1.55
<i>Carmona microphylla</i>	5	3	0.20	10	-	-	-	-
<i>Carrisa carandus</i>	1	3	0.10	2	-	-	-	-
<i>Cassia hirsuta</i>	5	2	0.20	7	-	-	-	-
<i>Equisetum sp</i>	1	6	0.1	3	-	-	-	-
<i>Eupatorium repantum</i>	5	5	0.40	11	-	-	-	-
<i>Ficus heterophylla</i>	4	3	0.2	7	17	3	0.8833	17.52
<i>Ixora pavetta</i>	3	2	0.1	5	-	-	-	-
<i>Kirganellia reticulata</i>	8	3	0.4	15	15	8	2.0667	25.11
<i>Murra koenigi</i>	1	2	0.0	2	-	-	-	-
<i>Urraria sp.</i>	-	-	-	-	1	1	0.0167	0.96
<i>Vitex leucocephala</i>	4	3	0.2	8	-	-	-	-
<i>Xanthium strumarium</i>	4	2	0.10	6	3	3	0.1667	3.52
Unidentified species	-	-	-	-	3	16.33	0.8167	7.04
Total species	25 species				17 species			
Species diversity (H')	2.66				1.64			

Density<sup>1</sup> denotes the number of individuals per 25m<sup>2</sup>; IVI - Importance Value Index