

Table 1 Density, Frequency and Abundance of Medicinal plants in the University of Kerala, Kariavattom South campus

SI NO	Binomial	S1			S2			S3			S4			S5			S6			S7			S8		
		D	F	A	D	F	A	D	F	A	D	F	A	D	F	A	D	F	A	D	F	A	D	F	A
1	Anacardium occidentale L.	1	100	0.5	0.5	100	0.5	0	0	0	0	0	0	0	0	0	1	100	1	2.5	100	2.5	2	100	2
2	Carica papaya L.	0.5	50	0.5	0.25	50	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0.5	100	0.5	0	0	0
3	Calophyllum inophyllum L.	0.25	100	1	0	0	0	0	0	0	0	0	0	0.5	100	0.5	0	0	0	0	0	0	0	0	0
4	Terminalia catappa L.	1	100	0.5	0.25	50	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Hopea ponga (Dennst) Mabb.	0.5	50	1	0.5	100	0.5	0	0	0	0	0	0	0.5	100	0.5	0	0	0	0.5	100	0.5	0	0	0
6	Muntingia calabura L.	0.5	50	1	0	0	0	0	0	0	0	0	0	0	0	0	0.5	50	1	1	100	1	0	0	0
7	Antidesma bunius (L.) Spreng.	0.5	50	0.5	2	50	4	0	0	0	0	0	0	0	0	0	0	0	0	0.5	100	0.5	0	0	0
8	Macaranga peltata (Roxb.) Mull. -Arg. In DC.	0.25	100	1.5	2	100	2	0	0	0	0	0	0	1	100	1	0.25	50	0.5	1	100	1	1.5	100	1.5
9	Cassia fistula L.	1.5	0	0	0.25	50	0.5	0	0	0	0	0	0	0.25	50	0.5	0	0	0	0.5	50	1	0.5	50	1
10	Pongamia pinnata (L.) Pierre	0	100	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.25	50	0.5	0	0	0
11	Ficus callosa Willd.	0.5	0	0	0.25	50	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0.25	50	0.5	0	0	0
12	Artocarpus hirsutua Lam.	0	100	1.5	1.5	100	1.5	0	0	0	0	0	0	0.25	50	0.5	0	0	0	1	100	1	1.5	100	1.5
13	Carallia brachiata (Lour.) Merr.	1.5	100	0.5	0.25	100	0.25	0	0	0	0	0	0	0	0	0	0	0	0	0.5	100	0.5	0.25	50	0.5
14	Morrinda pubescens J.E Smith in Rees	0.5	50	0.5	0.25	50	0.5	0	0	0	0	0	0	0.25	50	0.5	0	0	0	1	100	1	1	100	1
15	Azadirachta indica A,Juss.	0.25	50	0.5	0	0	0	0	0	0	0	0	0	0.25	50	0.5	0	0	0	0.25	50	0.5	0	0	0
Shrubs																									
16	Justicia betonica L.	0.25	100	0.5	0.5	100	0.5	0.25	50	0.5	0.5	100	0.5	0.5	100	0.5	0	0	0	0.5	50	1	0.75	100	0.75
17	Breynia retusa (Dennist.) Alston	0.5	100	0.75	0.5	100	0.5	0.5	100	0.5	1	100	1	0.25	50	0.5	0.25	50	0.5	0.5	100	0.5	1	100	1
18	Ricinus communis L.	0.75	100	0.5	0.75	100	0.75	0.25	25	1	0.25	50	0.5	0.5	100	0.5	0	0	0	0.5	100	0.5	0	0	0
19	Sida acuta Burm.	0.5	100	2	1.5	100	1.5	1	125	0.8	1.25	100	1.25	0.5	100	0.5	0	0	0	0.5	50	1	0.5	100	0.5
20	Urena lobata L.	2	100	2	2	100	2	0.25	125	0.2	1.25	100	1.25	1.25	100	1.25	0.5	100	0.5	0.25	50	0.5	0	0	0
21	Memecyclon randerianum SM&MR Almeida	2	100	2.5	3	100	3	0	0	0	0	0	0	0	0	0	0.5	50	1	0.5	100	0.5	0.75	100	0.75
22	Melastoma malabathricum L.	2.5	100	1	1.5	100	1.5	0.5	75	0.66667	0.75	100	0.75	0.75	100	0.75	0.5	50	1	0.25	50	0.5	0.5	50	1
23	Chassalia curviflora (Wall. ex Kurz) Thw. Var .ophioxyloides	1	100	3	3	100	3	0	0	0	0	0	0	0	0	0	1	100	1	1	100	1	0.25	50	0.5
24	Ixora coccinea L.	3	100	4.5	1.25	100	1.25	0	0	0	0	0	0	0	0	0	0	0	0	1	100	1	2	100	2
25	Pavetta hispidula Wight&Arn.	4.5	100	0.75	0.5	100	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0.25	50	0.5	2	100	2
26	Glycosmis pentaphylla (Retz.) DC.	0.75	100	2.5	2.5	100	2.5	1	125	0.8	1.25	100	1.25	0.25	50	0.5	0.25	50	0.5	0.25	50	0.5	1	100	1
27	Solanum torvum Sw.	2.5	100	0.5	2	100	2	0.25	25	1	0.25	50	0.5	0	0	0	0.25	50	0.5	0.5	50	1	0	0	0
28	Solanum violaceum Ortega, Nov.Pl.ssp.violaceum	0.5	100	0.75	1.5	100	1.5	0.25	25	1	0.25	50	0.5	0.5	50	1	0.25	50	0.5	0.5	100	0.5	0	0	0
29	Clerodendrum infortunatum L.	0.75	100	0.5	0.5	50	1	0	0	0	0	0	0	0.25	50	0.5	0	0	0	0	0	0	0.5	100	0.5
Herbs																									
30	Andrographis paniculata (Burm.f.)Wall.	0.5	100	0.75	0.75	100	0.75	0.5	75	0.6667	0.75	100	0.75	0.75	100	0.75	0.75	100	0.75	0.25	50	0.5	0.25	50	0.5
31	Justica gendarussa Burm.f.	0	100	0.5	0.75	100	0.75	0.5	100	0.5	1	100	1	0.75	100	0.75	0.5	100	0.5	0.5	100	0.5	1	100	1
32	Areva lantana (L.) Juss.ex Schult.	0.75	0	0	0	0	0	0.5	75	0.6667	0.75	100	0.75	1.25	100	1.25	0.75	100	0.75	1.5	100	1.5	0.75	100	0.75
33	Eclipta prostrata (L.) L.	0.5	0	0	0	0	0	1	150	0.6667	1.5	100	1.5	1.5	100	1.5	0.75	100	0.75	1.25	100	1.25	1	50	2
34	Emilia sonchifolia (L.) DC.	0	0	0	0.25	50	0.5	0.5	100	0.5	1	100	1	0.5	100	0.5	1	100	1	1	100	1	0.75	100	0.75
35	Synedrelia nodiflora (L.) Gaertn.	0	100	1.25	0.75	100	0.75	1	150	0.6667	1.5	100	1.5	1.25	100	1.25	0.75	100	0.75	1	100	1	0.75	100	0.75
36	Tridax procumbens L.	0	0	0	0.25	50	0.5	0.25	75	0.3333	0.75	100	0.75	1	100	1	1.25	100	1.25	1	100	1	0.75	100	0.75
37	Wedelia trilobata (L.) A.S. Hitchc.	1.25	0	0	1	100	1	0.5	150	0.3333	1.5	100	1.5	2	100	2	1	100	1	1	100	1	1.5	100	1.5
38	Commelina benghalensis L.	0	100	1	1	100	1	0.5	100	0.5	1	100	1	1	100	1	1	100	1	1.5	100	1.5	1	100	1
39	Costus pictus D. Don ex Lindl.	0	100	0.5	0.75	100	0.75	1	150	0.6667	1.5	100	1.5	0.75	100	0.75	0.75	100	0.75	1	100	1	0.5	100	0.5
40	Cyperus rotundus L.ssp. Rotundus	1	0	0	0	0	0	0.5	75	0.6667	0.75	100	0.75	1.25	100	1.25	0.75	100	0.75	0.75	100	0.75	1	100	1
41	Acalypha indica L.	0.5	100	1	1	100	1	0.5	100	0.5	1	100	1	1.5	100	1.5	1	100	1	1	100	1	1	100	1

42	Croton bonplandianus Baill.	0	50	1	1	100	1	0.5	75	0.6667	0.75	100	0.75	0.75	100	0.75	1	100	1	1	100	1	0.75	100	0.75
43	Euphorbia hirta L.	1	50	1	0.5	50	1	0.5	100	0.5	1	100	1	1	100	1	1.5	100	1.5	1.5	100	1.5	1	100	1
44	Microstachys chamaelea (L.) Mull.	0.5	100	1	1.5	100	1.5	1	150	0.6667	1.5	100	1.5	2	100	2	1.5	100	1.5	1	100	1	1	100	1
45	Phyllanthus amarus Schum. & Roux	0.5	50	1	0.25	50	0.5	0.5	100	0.5	1	100	1	1.5	100	1.5	1	100	1	1	100	1	1	100	1
46	Tragia involucrata L.	1	100	2.5	1	100	1	0.25	75	0.3333	0.75	100	0.75	1	100	1	1	100	1	0.5	50	1	0.75	100	0.75
47	Alysicarpus vaginalis (L.)DC.	0.5	0	0	0	0	0	0.5	100	0.5	1	100	1	1.5	100	1.5	1	100	1	0.75	100	0.75	1	100	1
48	Indigofera tinctoria L.	2.5	100	1	1	100	1	0.5	100	0.5	1	100	1	0.75	100	0.75	1	100	1	1.5	100	1.5	2	100	2
49	Curculigo orchoides Gaettn.	0	0	0	1	100	1	0.5	100	0.5	1	100	1	1	100	1	1	100	1	2	100	2	1	100	1

(S1, S2, S3, S4.....station number, D= density, F=frequency (%), and A= abundance)

Table 2 Density, Frequency and Abundance of the Pollution stress indicator plants in the Kariavattom South campus

Sl No	Binomial	S1		S2		S3		S4		S5		S6		S7		S8									
		D	F	A	D	F	A	D	F	A	D	F	A	D	F	A	D	F	A						
1	Anacardium occidentale L.	0	100	0.5	0.5	100	0.5	0.5	100	0.5	D	0	0	0	0	0	1	100	1	2.5	100	2.5	0.25	50	0.5
2	Holigarna arnottiana Hook. f	0	100	0.5	0.25	50	0.5	0.3	50	0.5	0	50	0.5	0	0	0	0	0	0	0	0	0	0.25	50	0.5
3	Mangifera indica L.	0	100	0.5	0.25	50	0.5	0.3	50	0.5	0.25	50	0.5	0.5	100	0.5	0	0	0	0.25	50	0.5	0	0	0
4	Polyalthia longifolia (Sonner.) Thw.	0	0	0	0	0	0	0	0	0	0.25	0	0	0	0	O	0	0	0	0	0	0	0.25	50	0.5
5	Carica papaya L.	0	50	0.5	0.25	50	0.5	0.3	50	0.5	0	0	0	0	0	O	0	0	0	0.5	100	0.5	0.25	50	0.5
6	Tectona grandis L.	0	100	0.5	0.25	50	0.5	0.3	50	0.5	0	0	0	0.25	50	0.5	0	0	0	0.25	50	0.5	0	0	0
7	Azadirachta indica A, Juss.	0	50	0.5	0	0	0	0	0	0	0	0	0	0.25	50	0.5	0	0	0	0.25	50	0.5	0	0	0
8	Artocarpus hirsutua Lam.	0.1	100	1.5	1.5	100	1.5	1.5	100	1.5	0	0	0	0.25	50	0.5	0	0	0	1	100	1	0.75	100	0.75
9	Acacia mangium (Willd.) Pedley	0.2	100	2.5	2.5	100	2.5	2.5	100	2.5	0	100	0.5	0.75	100	0.8	0	0	0	0.75	100	0.75	4	100	4
10	Ixora coccinea L.	0.3	100	4.5	1.25	100	1.25	1.3	100	1.3	0.5	0	0	0	0	O	0	0	0	1	100	1	1	100	1
11	Clerodendrum infortunatum L.	0	100	0.5	0.5	50	1	0.5	50	1	0	0	0	0.25	50	0.5	0	0	0	0	0	0	0	0	0
12	Lantana camera L.	0.1	100	2	2	100	2	2	100	2	0	100	0.75	0.5	100	0.5	1	100	1	0.75	100	0.75	0.75	100	0.75
13	Terminalia catappa L.	0	100	0.5	0.25	50	0.5	0.3	50	0.5	0.75	0	0	0	0	O	0	0	0	0	0	0	0	0	0
14	Pongamia pinnata (L.) Pierre	0	100	0.5	0	0	0	0	0	0	0	0	0	0	0	O	0	0	0	0.25	50	0.5	0	0	0
15	Muntingia calabura L.	0	50	1	0	0	0	0	0	0	0	0	0	0	0	O	0.5	50	1	1	100	1	0	0	0
16	Cassia fistula L.	0	0	0	0.25	50	0.5	0.3	50	0.5	0	0	0	0.25	50	0.5	0	0	0	0.5	50	1	0	0	0
17	Hyptis suaveolens (L.) Poit.	0.2	100	3.5	2.5	100	2.5	2.5	100	2.5	0			0.5	100	0.5	1	100	1	1	100	1	1.25	100	1.25

(S1, S2, S3, S4.....station number, D= density, F=frequency (%), and A= abundance)