

## Best Practice I:

### 1. Title of the Practice

Medicinal Plant Garden

### 2. Objectives of the Practice

Facilitating students and employees of the college to learn about various plants and herbs having medicinal properties.

### 3. The Context

Botany Honours students have to study ‘Plant Systematics’ and ‘Medicinal and Ethnobotany’. Hence, the presence of a medicinal plant garden supplemented their theoretical knowledge of this portion of the syllabus.

### 4. The Practice

Maulana Azad College takes pride in a ‘char-bagh’ or four blocks of square gardens situated at the front of the campus. Teachers and students of the college have studied the composition of plant diversity, and identified the individuals. Out of the 142 plant species present here, 74 are medicinal herbs.

### 5. Evidence of Success

The diverse flora harbours a variety of animal species including pollinators that help to sustain ecological balance in the highly polluted central Kolkata region where the college is located. The presence of medicinal herbs adds to its scientific and social importance.

### 6. Problems Encountered and Resources Required

As the medicinal plant garden serves a significant purpose, it is imperative that the different plant species are preserved. At times, this is hampered as a few of them wilt and have to be replaced.

LIST OF MEDICINAL PLANTS AT MAULANA AZAD COLLEGE					
	Scientific Name	Family	Common Name	Number	Type (herb/ shrub/ tree)
1	<i>Barleria lupulina</i> Lindl.	Acanthaceae	Kantabisollokoroni	14	Shrub

2	<i>Andrographis paniculata</i> (Burm.f.) Nees	Acanthaceae	Kalmegh,Greenchiretta	4	Herb
3	<i>Aerva sanguinolenta</i> (L.) Blume	Amaranthaceae	Bisollokoroni	Numerous	Herb
4	<i>Mangifera indica</i> L.	Anacardiaceae	Mango,Aam	2	Tree
5	<i>Centella asiatica</i> (L.) Urban	Apiaceae	Thankuni,Gotu kola	12	Herb
6	<i>Alstonia scholaris</i> (L.) R.Br.	Apocynaceae	Chatim,Blackboard tree	3	Tree
7	<i>Plumeria rubra</i> L.	Apocynaceae	Red frangipani	5	Shrub
8	<i>Tabernaemontana divaricata</i> R.Br. ex Roem. & Schult.	Apocynaceae	Togor,Crepe jasmine	72	Shrub
9	<i>Nerium oleander</i> L.	Apocynaceae	Korobi	2	Shrub
10	<i>Rauvolfia serpentina</i> (L.) Benth. ex Kurz	Apocynaceae	Sarpagandha,Indian snakeroot	16	Shrub
11	<i>Holarrhena pubescens</i> Wall. ex G.Don 1837	Apocynaceae	Kurchi	2	Shrub
12	<i>Gymnema sylvestre</i> R. Br.	Apocynaceae	Gurmar	3	Shrub
13	<i>Catharanthus roseus</i> (L.) G.Don	Apocynaceae	Nayantara	4	Herb
14	<i>Hemidesmus indicus</i> (L.) R. Br. ex Schult.	Apocynaceae	Indian Sarsaparilla, Anantamul	4	Twining Herb
15	<i>Sansevieria cylindrica</i> Bojer ex Hook.	Asparagaceae	Mahadev jata	2	Herb
16	<i>Aloe barbadensis</i> Mill.	Asphodelaceae	Ghritkumari,Aloevera	10	Shrub
17	<i>Helianthus annuus</i> L.	Asteraceae	Sunflower	3	Shrub
18	<i>Eupatorium triplinervis</i> M.Vahl	Asteraceae	Ayapan,Water hemp	4	Shrub
19	<i>Wedelia calendulacea</i> (L.) Less.	Asteraceae	Mahabhringraj	Numerous	Creeper
20	<i>Eclipta alba</i> (L.) Hassk.	Asteraceae	False daisy	16	Herb
21	<i>Vernonia cinerea</i> (L.) Less.	Asteraceae	Little ironweed	Numerous	Herb
22	<i>Eclipta prostrata</i> (L.) L.	Asteraceae	Kesuti,False daisy	24	Herb

23	<i>Commiphora wightii</i> (Arn.) Bhandari	Burseraceae	Guggul	1	Shrub
24	<i>Trema orientale</i> (L.) Blume	Cannabaceae	Pigeon wood	6	Shrub
25	<i>Carica papaya</i> L.	Caricaceae	Papaya	5	Herb
26	<i>Terminalia catappa</i> L.	Combretaceae	Indian-almond	1	Seedling
27	<i>Commelina benghalensis</i> L.	Commelinaceae	Kanshira	90	Herb
28	<i>Tradescantia spathacea</i> Sw.	Commelinaceae	Boat lily	43	Herb
29	<i>Chamaecostus cuspidatus</i> (Nees& Mart.) C.Speccht&D.W.Stev.	Costaceae	Insulin plant	20	Herb
30	<i>Kalanchoe pinnata</i> (Lam.) Pers.	Crassulaceae	Patharkuchi	6	Herb
31	<i>Coccinia grandis</i> (L.) Voigt	Cucurbitaceae	Talakochu,Ivy gourd	10	Vine
32	<i>Melothria pendula</i> L.	Cucurbitaceae	Creeping cucumber	2	Creeper
33	<i>Thuja</i> sp. L.	Cupressaceae		4	Shrub
34	<i>Dioscorea communis</i> (L.) Caddick & Wilkin	Dioscoreaceae	Black bryony, Black bindweed	Numerous	Herb
35	<i>Acalypha indica</i> L.	Euphorbiaceae	Indian acalypha	Numerous	Herb
36	<i>Euphorbia hirta</i> L.	Euphorbiaceae	Asthma plant	14	Herb
37	<i>Bauhinia purpurea</i> L.	Fabaceae	Kanchan	1	Tree
38	<i>Pterocarpus santalinus</i> L.	Fabaceae	Red sandalwood	1	Tree
39	<i>Bauhinia acuminata</i> L.	Fabaceae	White orchid	1	Shrub
40	<i>Mimosa pudica</i> L.	Fabaceae	Lajjabati,Touch-me-not	2	Herb
41	<i>Vitex negundo</i> L.	Lamiaceae	Nisinda	8	Shrub
42	<i>Ocimum canum</i> Sims	Lamiaceae	Bon tulsi	42	Herb
43	<i>Ocimum gratissimum</i> L.	Lamiaceae	Ram tulsi	44	Herb

44	<i>Lawsonia inermis</i> L.	Lythraceae	Mehendi, Henna	2	Tree
45	<i>Magnolia champaca</i> (L.) Baill. Ex Pierre	Magnoliaceae	Champak	1	Tree
46	<i>Hiptage benghalensis</i> (L.) Kurz	Malpighiaceae	Madhabilata	2	Shrub
47	<i>Bombax ceiba</i> L.	Malvaceae	Shimul tree	1	Tree
48	<i>Hibiscus rosa-sinensis</i> L.	Malvaceae	China rose	16	Shrub
49	<i>Azadirachta indica</i> A.Juss. 1830	Meliaceae	Neem tree	5	Tree
50	<i>Ficus religiosa</i> L. 1753	Moraceae	Ashvatthatree,Sacred fig	5	Tree
51	<i>Ficus benghalensis</i> L. 1753	Moraceae	Banyan	6	Tree
52	<i>Ficus hispida</i> L.f.	Moraceae	Dumur	75	Seedling
53	<i>Syzygium cumini</i> (L.) Skeels.	Myrtaceae	Jamun,Java plum	1	Tree
54	<i>Nyctanthes arbor-tristis</i> L.	Oleaceae	Shiuli	2	Shrub
55	<i>Jasminum sambac</i> (L.) Aiton	Oleaceae	Arabian jasmine	16	Shrub
56	<i>Oxalis corniculata</i> L.	Oxalidaceae	Creeping wood sorrel	Numerous	Herb
57	<i>Emblica officinalis</i> Gaertn.	Phyllanthaceae	Amla,Indian gooseberry	2	Tree
58	<i>Piper longum</i> L.	Piperaceae	Pipul,Indian long pepper	4	Shrub
59	<i>Antirrhinum majus</i> L.	Plantaginaceae	Garden snapdragon	6	Herb
60	<i>Plumbago zeylanica</i> L.	Plumbaginaceae	Swetchitrak	6	Shrub
61	<i>Cynodon dactylon</i> (L.) Pers.	Poaceae	Durva grass	Numerous	Herb
62	<i>Aegle marmelos</i> (L.) Correa	Rutaceae	Indian bael	1	Tree
63	<i>Citrus maxima</i> Merr.	Rutaceae	Batabilebu,Pomelo	1	Tree

64	<i>Murraya paniculata</i> (L.) Jack	Rutaceae	Kamini	9	Shrub
65	<i>Mimusops elengi</i> L.	Sapotaceae	Bokul,Spanish cherry	2	Tree
66	<i>Madhuca indica</i> J.F.Gmel.	Sapotaceae	Mohua	2	Tree
67	<i>Datura metel</i> L.	Solanaceae	Konokdhutra	8	Shrub
68	<i>Nicotiana plumbaginifolia</i> Viv.	Solanaceae	Tex-Mex Tobacco	15	Herb
69	<i>Datura inoxia</i> Mill.	Solanaceae	Krishna dhutra	12	Herb
70	<i>Christella dentata</i> (Forssk.) Brownsey&Jermy	Thelypteridaceae	Soft fern,Binung	61	Fern
71	<i>Pouzolzia indica</i> (L.) Benn. & R.Br.	Urticaceae		Numerous	Herb
72	<i>Curcuma amada</i> Roxburgh	Zingiberaceae	Mango ginger	2	Herb
73	<i>Curcuma caesia</i> Roxb.	Zingiberaceae	Kala Haldi	1	Herb
74	<i>Amomum subulatum</i> Roxb.	Zingiberaceae	Boroelaichi,Black cardamom	6	Herb



**KARPUR TULSI**  
*Ocimum kilimandscharicum* Guerke  
**LAMIACEAE**



