

## Characters – Melastomataceae

1. Habit (suffrutescent/woody, herbaceous)
2. Stem cross section (edges not sharp, edges sharp)
3. Mite-domatia (pocket-like, hair tuft, inrolled leaf margin, etc.)
4. Ant-domatia (location, form, etc.)
5. Leaf venation (acrodromous, brochidodromous)
6. Multicellular indumentum [as assessed on abaxial leaf surface] (simple elongate glandular or eglandular hairs, elongate with basal ring of radiating arms, dendritic hairs, stellate hairs, peltate scales, bulla-based hairs, etc.)
7. Inflorescence position (terminal, axillary)
8. Cauliflory (no, yes)
9. Floral bracteoles (number, expanded or not)
10. Calyx lobes (free, fused into a calyptra, irregularly rupturing or circumscissile)
11. Calyx teeth (absent, present, shorter than calyx lobes or longer than lobes)
12. Petal number
13. Petal color (white, pink to red, yellow, orange, etc.)
14. Stamen number (equaling number of petals, twice number of petals, more numerous)
15. Anther gland (without terpene-producing gland, with such gland)
16. Anther color (white, yellow, pink to red or purple, blue, etc.)
17. Anther Connective (dorsal, pedoconnective, form of the appendages if present)
18. Anther shape (subulate, oblong to elliptic, obovate; straight or curved)
19. Anther dehiscence (pores, slits, describe details)
20. Heteranthery (present, absent)
21. Ovary position (superior, partially to completely inferior)
22. Ovary crown (absent, present)
23. Ovary collar (absent, present)
24. Ovary pubescence (glabrous, record form of hairs)
25. Ovary locule number (#)
26. Placentation (axile,  $\pm$  parietal, basal, free-central, etc.)
27. Fruit texture (dry, fleshy)
28. Fruit dehiscence (hypanthium dehiscent, hypanthium indehiscent)
29. Seed shape (cochleate, not cochleate)
30. Seed testa (record sculpturing)