and apex constricted. The anther is versatile with or without spur, and the anther-crest is usually small. The ovary is glabrous or hairy, and 3-lobed. Stylodes can be present. The capsule is ellipsoid, and seed are arillate.

Key to the Species of Curcuma in Thailand

1. Anther with spurs
   2. Inflorescences central
   2. Inflorescences lateral or separated from the aerial shoots
   3. Coma bracts absent
   4. Lower and upper leaf surfaces glabrous
   4. Lower leaf surface hairy at least on the main veins
   5. Ovary hairy
      28. C. cf. stenochila (unk.5, Obchan s.n.)
   5. Ovary glabrous
      24. C. cf. albiflora (unk.1 Max 72-409)
   6. Peduncle long, usually longer than 15 cm, labellum suborbicular, about 1.6 x 1.7 cm
      30. C. cf. sumatranana (unk.7, Chula s.n.)
   6. Peduncle short, rarely up to 10 cm, labellum elliptic, ovate or obovate-oblong, 2-2.2 x 0.9 x 1.1 cm
   7. Leaf base cordate, bracts ovate, 3.5 x 2.0 cm
   18. C. stenochila
7. Leaf base cuneate, bracts elliptic, 4 x 2-2.4 cm
   6. C. cochinchinensis

8. Coma bracts whitish or greenish
   9

8. Coma bracts pink or purple
  10

9. Rhizome dark yellow to orange, strong smell, coma bracts
   greenish white with pale purple at the apex, flower bracts light
   greenish
   10. C. longa

9. Rhizome yellow, coma bracts whitish, flower bracts light green-
   yellowish
   21. C. viridiflora

10. Leaves glabrous
    11

10. Leaves pubescent
    14

11. Blades narrow oblong, 26-31 x 6-8 cm
    13. C. plicata

11. Blades elliptic-oblong
    12

12. Leaf base cuneate
    2. C. amada

12. Leaf base rounded or subcordate
    13

13. Peduncle relatively long, 25-40 cm long
    12. C. petiolata

13. Peduncle relatively shorter, 10-15 cm long
    28. C. sp.
    (unk. 4, Niyomdham 1246)

14. Both leaf surfaces pubescent
    16. C. sessilis

14. Only lower leaf surface pubescent
    4. C. attenuata

15. Rhizome inside dark yellow or orange
    22. C. xanthorrhiza

15. Rhizome inside pale yellow, blue or white
    16

16. Leaf sheaths dark red throughout
    15. C. rubescens

16. Leaf sheaths greenish, often tinted with red or purple
    17
17. Coma bracts absent 18
17. Coma bracts present 20
18. Flower bracts glabrous 19
18. Flower bracts hairy 26. C. cf. oligantha
               (unk.2, Somran s.n.)
19. Labellum ovate-cuneate, ovary hairy 7. C. ecomata
19. Labellum elliptic, ovary glabrous 27. C. aff. oligantha
               (unk.3, Max 75-413)
20. Rhizome hardly developed, unbranched, white, blades narrow-
    oblong or linear with long acuminate apex, glabrous 21
20. Rhizome large, branched, pale yellow, blades elliptic-oblong,
    sparsely hairy on lower surface 23. C. zedoaria
21. Labellum suborbicular, 1.0 x 1.1 cm, ovary long hairy
               3. C. angustifolia
21. Labellum oblong, 1.7 x 1.1 cm, ovary glabrous or sparsely
    hairy 20. C. trichosantha
22. Coma bracts white 23
22. Coma bracts pink, purplish or none 24
23. Staminodes white 11. C. parviflora
23. Staminodes purple 19. C. thorelli
24. Blades linear or linear-oblanceolate 25
24. Blades elliptic, elliptic-oblong or oblong 26
25. Coma bracts absent 17. C. sparganifolia
25. Coma pink or purplish 27
26. Inflorescences relatively small, peduncle 9-18 cm long, spike 2-3 x 1-2 cm  8. C. gracillima

26. Inflorescence relatively large, peduncle 33-78 cm, spike 10-17 x 2-4 cm  1. C. alismatifolia

27. Coma bracts pink or purplish, flower bracts greenish, purplish or greenish-brown  28

27. Coma bracts absent  29

28. Peduncle slender, 45-60 cm long or longer, staminodes oblong, labellum obovate-oblong  30. C. cf. sparganifolia (unk.6 Kerr 19483)

28. Peduncle 10-30 cm long, staminodes elliptic, labellum cuneate-ovate  5. C. aurantiaca

29. Flower bracts orange, staminodes elliptic  14. C. roscoeana

29. Flower bracts dark green, staminodes linear  9. C. harmandii