

Melastomataceae of Belize

Miconia sp
(482)

(photos 87-90)

Habitat: Forest.

Habit: Shrub.

Height <2m

ID tip: Short.



87 *U. Zag 481* (detail)



88 *U. Zag 481* (upper lf. surface)



89 *U. Zag 481* (lower leaf surface)



90 *U. Zag 481* (fruit)

86

Terminology :



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Clarifications :

Miconia nervosa and *Clidemia dentata* can be differentiated when sterile by the more attenuate leaf base in *M nervosa*.

The purple underside of *Miconia oinochrophylla* leaves are unique in mature plants, some species such as *Tococa guianensis* have seedling leaves with purple undersides (above).

T. guianensis leaves are clearly very hairy (*M. oinochrophylla* is glabrous) and adult plants with the obvious formicaria are normally to be found nearby.



Centre for Ecology & Hydrology

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Melastomataceae of Belize

Miconia sp
(480)
(photos 87-90)
Habitat: Forest.
Habit: Shrub.
Height <2m
ID tip: Short.



87 *U. Zag 480* (upper lf. surface)



88 *U. Zag 480* (lower lf. surface)



89 *U. Zag 480* (detail)



90 *U. Zag 480* (detail)

86

Miconia sp
(481)
(photos 87-90)
Habitat: Forest.
Habit: Shrub.
Height <2m
ID tip: Short.



87 *U. Zag 481* (upper lf. surface)



88 *U. Zag 481* (lower lf. surface)



89 *U. Zag 481* (detail)



90 *U. Zag 481* (detail)

86

Miconia sp
(482)
(photos 87-90)
Habitat: Forest.
Habit: Shrub.
Height <2m
ID tip: Short.



87 *U. Zag 482* (habit)



88 *U. Zag 482* (upper lf. surface)



89 *U. Zag 482* (lower leaf surface)



90 *U. Zag 482* (detail)

86

Miconia sp
(538)
(photos 87-90)
Habitat: Forest.
Habit: Shrub.
Height <2m
ID tip: Short.



87 *U. Zag 538*(habit)



88 *U. Zag 538* (upper lf. surface)



89 *U. Zag 538* (detail)



90 *U. Zag 538* (flws)

86

Melastomataceae of Belize

Henrietta sp?
(craig's)
(photos 87-90)

Habitat: Forest.
Habit: Shrub.
Height <Xm
ID tip: 3-plinerved.



86

87 *U. nkown* (habit)

88 *U. nkown* (upper lf. surface)

89 *U. nkown* (lower lf. surface)

90 *U. nkown* (fruit)

Clidemia sp
(477)
(photos 87-90)

Habitat: Forest.
Habit: Shrub.
Height <Xm
ID tip: Dense pale brown hairs on stems and veins underneath leaves.



86

87 *U. Zag 477* (habit)

88 *U. Zag 477* (upper lf. surface)

89 *U. Zag 477* (lower lf. surface)

90 *U. Zag 477* (flowers)

Miconia sp
(478)
(photos 87-90)

Habitat: Savannah.
Habit: Shrub.
Height <50cm
ID tip: Short.



86

87 *U. Zag 478* (habit)

88 *U. Zag 478* (habit)

89 *U. Zag 478* (lower lf. surface)

90 *U. Zag 478* (flowers/fruits)

Miconia sp
(479)
(photos 87-90)

Habitat: Savannah.
Habit: Shrub.
Height <50cm
ID tip: Short.



86

87 *U. Zag 479* (habit)

88 *U. Zag 479* (habit)

89 *U. Zag 479* (lower lf. surface)

90 *U. Zag 479* (flowers/fruits)

Melastomataceae of Belize

Miconia? ZAG
239

(photos 72-75)

Habitat: Open, disturbed vegetation.
Habit: Small shrub.
Height: <50cm
ID tip: dunno.



72 *U. Zag 239* (habit)



73 *U. Zag 239* (upper lf. surface)



74 *U. Zag 239* (lower lf. surface)



75 *U. Zag 239* (flowers)

71

Miconia lacera
(244)

(photos 77-80)

Habitat: Open, disturbed vegetation.
Habit: Small shrub.
Height: <2m
ID tip: Long (>1cm) red hairs on stem.



77 *M. lacera* (habit)



78 *M. lacera* (upper lf. surface)



79 *M. lacera* (lower lf. surface)



80 *M. lacera* (flowers)

76

Miconia nervosa
(257)

(photos 82-85)

Habitat: Gaps in forest canopy.
Habit: Shrub.
Height: <5m
ID tip: Venation, pink-tinged terminal inflorescences.



83 *M. nervosa* (upper lf. surface)



84 *M. nervosa* (lower lf. surface)



85 *M. nervosa* (flowers)

81

82 *M. nervosa* (habit)

Miconia matthaei (265)

(photos 87-90)

Habitat: Forest.
Habit: Shrub.
Height <Xm
ID tip: Dense pale brown hairs on stems and veins underneath leaves.



88 *M. matthaei* (upper lf. surface)



89 *M. matthaei* (lower lf. surface)



90 *M. matthaei* (detail)

86

87 *M. matthaei* (habit)

Melastomataceae of Belize

Clidemia hirta
(234)

(photos 52-55)

Habitat: Open, disturbed vegetation.

Habit: Small shrub.

Height <1m

ID tip: Axile inflorescence, pink stem.



52 *C. hirta* (habit)



53 *C. hirta* (upper lf. surface)



54 *C. hirta* (lower lf. surface)



55 *C. hirta* (flowers/fruits)

51

Clidemia capitulata (233)

(photos 57-60)

Habitat: Open, disturbed vegetation.

Habit: Small shrub.

Height <1.5m

ID tip: Axile inflorescence, white flowers.



57 *C. capitulata* (habit)



58 *C. capitulata* (upper lf. surface)



59 *C. capitulata* (lower lf. surface)



60 *C. capitulata* (flowers)

56

Leandra mexicana (232)

(photos 62-65)

Habitat: Open, disturbed vegetation.

Habit: Small shrub.

Height <2m

ID tip: Terminal inflorescence.



62 *L. mexicana* (habit)



63 *L. mexicana* (upper lf. surface)



64 *L. mexicana* (lower lf. surface)



65 *L. mexicana* (flower/fruits)

61

Miconia hyperprasina?
(213)

(photos 67-70)

Habitat: Forest, shade.

Habit: Small shrub.

Height: <5m

ID tip: Glossy dark green leaves.



67 *M. hyperprasina* (upper lf. surface)



68 *M. hyperprasina* (lower lf. surface)



69 *M. hyperprasina* (other)



70 *M. hyperprasina* (other)

66

Melastomataceae of Belize

Miconia tormentosa?
(224)

(photos 32-35)

Habitat: Forest.

Habit: Tree/shrub.

Height <8m

ID tip: Large leaves (60x30cm), with unique shape & venation.



32 *M. amplexans* (upper lf. surface)



33 *M. amplexans* (lower lf. surface)



34 *M. amplexans* (lf. base)



35 *M. amplexans* (habit)

31

Unknown
ZAG229

(photos 37-40)

Habitat: Forest.

Habit: Tree/shrub.

Height: <8m

ID tip: Large leaves (70x30cm), with unusual venation.



37 *U. zag 229* (upper lf. surface)



39 *U. zag 229* (lower lf. surface)

36

38

40

2 Shrubs or Trees (woody)

2C Swellings at base of leaf.

Tococa guianensis
(328)

(photos 43-45)

Habitat: Forest.

Habit: Shrub.

Height <3m

ID tip: Swellings (domatia, usually associated with ants) at base of some leaves, leaves often unequal in size.



43 *T. guianensis* (upper lf. surface)



44 *T. guianensis* (lower lf. surface)



45 *T. guianensis* (detail)

41

42

2 Shrubs or Trees (woody)

2D Miscellaneous.

Clidemia dentata
(238)

(photos 48-50)

Habitat: Open, disturbed vegetation.

Habit: Small shrub.

Height <1m

ID tip: Terminal inflorescence.



48 *C. dentata* (upper lf. surface)



49 *C. dentata* (lower lf. surface)



50 *C. dentata* (flowers)

46

47

Melastomataceae of Belize

2 Shrubs or Trees (woody)

2A Leaves not green underneath.

Miconia oinochrophylla
(219)
(photos 13-15)

Habitat: Forest.
Habit: Understory shrub/tree.
Height <5m
ID tip: Unique purple leaf undersurface.



11

12

13 *M. oinochrophylla* (upper lf. surface)

14

15 *M. oinochrophylla* (lower lf. surface)

Miconia chrysophylla
(217)
(photos 17-20)

Habitat: Forest.
Habit: Understory shrub.
Height <5m
ID tip: Pale leaf undersurface, reddish young twigs.



16

17 *M. chrysophylla* (upper lf. surface)

18

19 *M. chrysophylla* (lower lf. surface)

20 *M. chrysophylla* (bud & stem)

Miconia? ZAG 280
(photos 22-25)

Habitat: Forest.
Habit: Small tree/shrub.
Height <10m
ID tip: Long reddish petioles, wider than *M. chrysophylla*.



21

22 *U. Zag280* (upper lf. surface)

23 *U. Zag280* (lower lf. surface)

24 *U. Zag280* (other)

25 *U. Zag280* (other)

2 Shrubs or Trees (woody)

2B Large leaves.

Bellucia costaricensis?
(242)
(photos 28-30)

Habitat: Forest.
Habit: Small tree.
Height <8m
ID tip: umm.



26

27

28 *B. costaricensis* (lf.)

29 *B. costaricensis* (fruit)

30 *B. costaricensis* (flower)

Melastomataceae of Belize

1 Herbs (non-woody)

Acisanthera quadrata (245)
(photos 3-5)

Habitat: Open, wet ground.
Habit: Delicate herb.
Height: <30cm
ID tip: Tiny herb, square stem, large scythe-shape anther connectives.



3 *A. quadrata* (habit)



4 *A. quadrata* (habit)



5 *A. quadrata* (flowers)

1

2

Acisanthera bivalvis (475)
(photos 3-5)

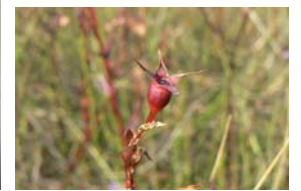
Habitat: Open, wet ground, flooded savannah.
Habit: Delicate herb.
Height: <50cm
ID tip: Tiny herb, square stem, large scythe-shape anther connectives.



8 *A. bivalvis* (stem)



9 *A. bivalvis* (leaves)



10 *A. bivalvis* (flower/fruit)

6

7 *A. bivalvis* (habit)

Acisanthera crassipes (402)
(photos 3-5)

Habitat: Open, wet ground, flooded savannah.
Habit: Delicate herb.
Height: <50cm
ID tip: Tiny herb, square stem, large scythe-shape anther connectives.

12 *A. crassipes* (habit)

13 *A. crassipes* (habit)

14 *A. crassipes* (habit)

15 *A. crassipes* (flowers)

11

Arthrostemma ciliatum (237)
(photos 7-10)

Habitat: Open, disturbed vegetation.
Habit: low, scrambling herb.
Height <1m
ID tip: Square stem, often glandular hairs.



7 *A. ciliatum* (habit)



8 *A. ciliatum* (upper lf. surface)



9 *A. ciliatum* (lower lf. surface)



10 *A. ciliatum* (flower/fruits)

6