KEY TO GENERA OF MALPIGHIACEAE FOUND IN THE CARIBBEAN

(SOUTHERN FLORIDA, BAHAMAS, AND OTHER WEST INDIAN ISLANDS EXCEPT TRINIDAD AND TOBAGO)

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KEY FOR SPECIMENS BEARING FLOWERS

1.		etals pink and/or white, white except 1 petal mostly yellow, pink turning redding to white.	sh in age, lilac, or lilac	
	2.		n Asia escaped from	
	2.	Styles 2 or 3; petals spreading to reflexed but not hiding sepals, abaxially glabrous or sparsely sericeous on abaxial midrib, entire, erose, or dentate on the margin; stamens without 1 much		
		longer than all the others; native species.	,	
		 Stipules borne on inner face of base of petiole, partially to completely of shrubs or trees. 	connate in our species;	
		Leaves and bracteoles completely eglandular; styles slender and su minute stigmas		
		 Leaves bearing glands on petiole or abaxial surface of lamina near on adaxial surface near apex; some bracteoles often terminating in uniform thickness or widened at apex, the stigmas truncate or pelta 	base, and sometimes a large gland; styles of tte; native in Cuba,	
		probably introduced in the Lesser Antilles		
		3. Stipules borne on stem between petioles or on edges of petiole near bas	e, or absent; shrubs,	
		trees, or vines.	arion ha an ahaat	
		5. Shrubs or trees; flowers borne in unbranched axillary umbels or co condensed pseudoracemes; fruit fleshy, mostly indehiscent but in <i>l</i> pyrenes separating at maturity	M. verruculosa the red	
		5. Vines; flowers borne in umbels of 4 or congested to elongated pseu branched or terminating leafy stems or both; fruits dry, breaking apmaturity.	udoracemes, often	
		6. Flowers borne in umbels of 4; Cuba	or more flowers. or middle; stipules if	
		7. Petals usually described as lilac (or blue or purple), somet white; petioles eglandular or biglandular near apex, the gl prominent; stipules if present borne on stem between peticonnate in interpetiolar pairs	Heteropterys purpurea times as pink, rarely as ands usually not oles, distinct or	
1.	Pet	etals yellow or yellow with a red central blotch, or yellow turning red or orange		
	8.		•	
		He		
	8.	9. Calyx glands sessile or absent; Lesser Antilles	. Carolus sinemariensis	
		Leaves eglandular; pedicels sessile or subsessile; native species Leaves usually bearing small marginal glands near base of lamina; well-developed peduncles; exotic, widely cultivated as an ornamer apparently not becoming naturalized	Byrsonima pedicels raised on tal shrub but	

- 10. Styles slender to stout, of uniform thickness or widened at apex, the stigmas large; shrubs, trees, or vines.

 - 12. Styles 3, distinct; apex of styles with stigmas internal and dorsally rounded, truncate, acute, or extended into a hook or foliole-bearing appendage; carpels 3, developing into a schizocarp dividing into dry samaras; mostly vines, some shrubby.
 - 13. Lamina abaxially densely and persistently metallic-sericeous.
 - 13. Lamina abaxially glabrous or variously hairy but not densely sericeous.

 - 15. Sepals appressed in anthesis.

 - 16. Posterior petal usually different from lateral petals but not so dramatically different as in previous choice; both bracteoles eglandular.
 - 17. Flowers borne in umbels of (3) 4.

KEY FOR SPECIMENS BEARING FRUITS

- 1. Fruits with a soft, fleshy, edible exocarp, indehiscent or, in *Malpighia verruculosa*, the red pyrenes separating at maturity; shrubs or trees.

 - Leaves bearing glands impressed in abaxial surface of lamina; bracteoles eglandular or some
 bracteoles bearing large abaxial glands; styles slender to stout, of uniform thickness or widened at
 apex, the stigmas large; inflorescence axillary, without leaves, elongated or condensed and
 corymbiform or umbellate.
- 1. Fruits dry, breaking apart into mericarps at maturity; shrubs, trees, or slender to woody vines.
 - 4. Mericarps bearing many slender elongated vascularized setae; Cuba Henleophytum echinatum

4. Mericarps without slender elongated setae. 5. Mericarps smooth-walled cocci. 6. Styles cylindrical, not tapered distally, the stigma truncate or broadened, sometimes becoming subpeltate or bilobed in anthesis; lamina with glands immersed in abaxial surface, at least at base; native in Cuba; probably introduced in the Lesser Antilles.......... Styles slender and subulate, tapered to a minute stigma; lamina without glands in surface, usually with a pair of tiny marginal glands near base; exotic, widely cultivated as an Mericarps winged, the wings rudimentary in some species. Mericarp wing reduced to a \pm triangular dorsal winglet very short relative to size of nut, the mericarp probably adapted for dispersal by water, not wind..... Stigmaphyllon bannisterioides 7. Mericarp samaroid, with either dorsal or lateral wing(s) well developed. 8. Samaras with dorsal wing dominant, the nut bearing on its sides only short winglets or crests or quite smooth. Wing of samara with the abaxial edge thickened, the veins diverging and Wing of samara with the adaxial edge thickened, the veins diverging from it toward the thinner abaxial edge. 10. Flowers borne in umbels of 4; stigmas terminal, the style without a dorsal 10. Flowers borne in congested pseudoracemes, corymbs, or umbels of 4– many; stigmas internal, the style with a dorsal extension at apex or merely 8. Samaras with lateral wing(s) dominant, the dorsal wing smaller or reduced to a winglet or crest, or absent. 11. Samara with 1, 2, or 3 lateral wings. 12. Samara with 3 lateral wings, 1 larger wing at apex and 2 smaller lateral wings; exotic from Asia escaped from cultivation in Florida 12. Samara with 1 continuous lateral wing or 2, 1 on each side; native species. 13. Samara with the lateral wing continuous at least at base, continuous at apex or notched to divided to nut; lamina glands, if present, borne on 13. Samara with the 2 lateral wings distinct at both base and apex (butterflyshaped); lamina glands, if present, strictly marginal except often a pair at base against midrib. 14. Pedicels sessile; stipules elongated, subulate, borne on petiole 14. Pedicels raised on a peduncle; stipules very short, triangular, interpetiolar. 15. One bracteole of each pair bearing 1 large abaxial gland; pedicel shorter than peduncle or about the same length; petiole eglandular or (often) bearing 2 large protuberant glands on 15. Both bracteoles eglandular; pedicel much longer than peduncle; petiole eglandular or bearing 2-4 small glands at various heights; Lesser Antilles............ Carolus sinemariensis