Abstract
A taxonomic synopsis of Capparaceae distributed in Colombia was carried out reviewing 1,800 botanical specimens from 13 herbaria in Colombia, five international institutions and close to 100 field collected specimens. We found 32 species and ten genera according to the last taxonomic modification proposed for this family. From these species, we reevaluated the conventional features used on the species identification, from which detailed description for each species and taxonomic keys were developed. In addition, geographic distribution maps in Colombia, and information about vernacular names and Neotropical distribution was added.

Key words: Capparaceae, Neotropic, species, taxa, taxonomy.

Introduction
Capparaceae is a family of approximately 40–45 genera and 700–800 species distributed in tropical and subtropical regions (Short 2011). In the Neotropics 19 genera and 104 species are currently recognized (Cornejo & Ilits 2008a,b,c,d,e, 2009, 2010c, 2013; Cornejo et al. 2008).

Antoine Laurent de Jussieu described Capparaceae in 1789 based on Capparis, from the Greek Kapparis or Kappari and Latin Capparis, which refers to shrubs or fruits of caper, Capparis spinosa L., (Quattrocchi 2000). After describing Capparis, Jussieu referred to the species of this group using the unofficial name Capparides. In this sense, the family name Capparidae was subsequently adopted in other taxonomic analyses (Bentham & Hooker 1862; De Candolle 1824) and, finally years later was named Capparidaeae (Bullock 1958, 1959) and accepted by the International Rules of Botanical Nomenclature (Lanjow & Sprague 1947). However, in 1961 the Montreal code established that the correct name is Capparaceae based on current nomenclatural
rules, e.g., dropping -is from Capparis and adding -aceae (International Association for Plant Taxonomy CIdlNB 1961). This modification was rejected by several authors who proposed keeping Capparidaceae because it came from the historical usage of Capparides, but the official name published by Jussieu was Capparis (Crosswhite & Iltis 1966; Dugand 1968b).

Capparaceae, as Capparidaceae, was divided by De Candolle (1824) into two subtribes Capparaceae and Cleomeae, including 231 species and 17 genera, these subtribes were accepted by Bentham & Hooker (1862) and by Eichler (1865). Subsequently, Pax (1891) changed the rank to subfamily Capparidoideae and Cleomoideae, as well as incorporating other genera as additional subfamilies Dipterygioideae, Emblingioideae, and Roydsioideae. Years later, Pax & Hoffmann (1936) increased the number of subfamilies to eight (Buhsioidae, Calyptrothecoideae, Capparidoideae, Cleomoideae, Diptergyioideae, Emblingioideae, Pentadiplandroideae, and Podandrogynoideae) and increased the number of genera to 45, twenty of which were monotypic. In addition, due to the fact that the subfamily Capparidoideae contained the greatest number of species, these authors recognized four subtribes, Cappariceae, Koeberliniaceae, Maerueaceae, and Stixaceae.

Nevertheless, Hutchinson (1967) in disagreement with the classification of Pax & Hoffmann (1936) proposed Capparidaceae with 32 genera and 440 species distributed in three subtribes (Apophylleae, Cadabeae, and Capparaceae), without recognizing subfamilies. Hutchinson (1967) established this family in the order Capparales. Cronquist (1981) maintained Capparales but changed the name of the family to Capparaceae, divided it into the subfamilies Capparidoideae and Cleomoideae, and recognized 45 genera and 800 species. Likewise, Takhtajan (1997) supported the classification of Cronquist (1981) but reduced the number of genera to 37 and increased the species to 900; he also insisted on adopting the name Capparaceae. Morton et al. (1997) removed the genus Physena to its own family, Physenaceae, and transferred it to Caryophyllales.

Subsequently, with molecular phylogenetic analyses, the classification system of Capparaceae has changed. A few analyses have found a close relationship between the subtribe Thelypodieae of Brassicaceae and Cleome of Cleomoideae (Judd et al. 1994). On the basis of these results Capparaceae was reduced to the level of subfamily and was included along with subfamily Cleomoideae in Brassicaceae s.l. Furthermore, other authors also suggested that Cleomoideae were more closely related with Brassicaceae than with Capparaceae (Rodman et al. 1993, 1996). These results led Hall et al. (2002) to analyze the phylogeny of Capparaceae and Brassicaceae using plastid genes, founding that Capparaceae s.l. was paraphyletic with respect to Brassicaceae.

However, evolutionary relationships within Capparaceae s.str. remained unclear, because the study by Hall et al. (2002) had limited taxon sampling. Hall (2008) performed another phylogenetic analysis of Capparaceae using two plastid genes and including 15 more species. The analysis clearly showed that Cleomoideae is more closely related to Brassicaceae with respect to Capparoidae, which led Hall (2008) to suggest a taxonomic revision separating the clades into three families, which were subsequently formally recognized by Iltis et al. (2011) as Capparaceae, Cleomeae, and Brassicaceae. Another important outcome was that Capparis is paraphyletic, so it was proposed to segregate the genus into smaller clades for nomenclatural stability and monophyly. In this way species of Capparis were segregated into two large lineages, e.g. Capparis s.str. clade, which is predominantly Old World, and a clade of entirely New World Capparis, the latter more closely related to genera Atamisquea, Belencita, and Morisonia. Nonetheless, there are no useful morphological features for recognizing the New World taxa as a single genus. On the basis of these results, Iltis and Cornejo, in several publications, formalized the species of Neotropical capparoids as the following genera: Anisocapparis (1 species), Beautempsia (1) Calanthea (2), Capheandrea (1), Capparicordis (3), Colicodendron (6), Capparidastrum (19), Cynophalla (16) Hispaniolanthus (1), Mesocapparis (1), Monilicarpa (2), Neocalyptrocalyx (7), Preslianthus (3), Quadrella (25), and Sarcotoxican (1) (Cornejo et al. 2014; Cornejo 2010; Cornejo & Iltis 2005b, 2008b, c, e, 2009, 2010a, b, c, d; Galetti et al. 2016, 2017; Iltis 1965; Iltis & Cornejo 2007a, b, 2010a, b). There are no species of Capparis s.str. in the Neotropics.

Over the last few years, several taxonomic monographs of this family have been published, mainly in Central America (Cornejo & Iltis 2012, 2013). In South America only new species (Cornejo & Iltis 2005a, 2010d), taxonomic
combinations (Cornejo & Iltis 2006, 2008a; Iltis 2005; Rodriguez-Rodriguez et al. 2007) and regionals flora (Soares Neto et al. 2014; Soares Neto & Jardim 2015) have been published; there has not been modern monograph including South American species. In Colombia, Triana and Planchon (1862) recognized 21 species in Capparidae (Capparaceae), distributed in Cartagena, Santa Marta, and close to the Magdalena River. Subsequently, Dugand (1968a, 1941) published a monograph of the genus Capparis in Colombia, as well as other studies that reported the genus Belencita (Dugand 1944). Cornejo & Mercado-Gómez (2016) described a new species of Steriphoma. More recently, Aguirre De la Hoz & Zapata (2017) analyzed the Capparaceae of Atlantico and Iltis & Cornejo (2016) reported 29 species of Capparaceae in the catalogue of lichens and plants of Colombia (Bernal et al. 2016). However, the latter mainly included species deposited at the herbarium COL, and information about species distribution and identification keys is lacking. For this reason, the goal of this research is to carry out an extensive revision of specimens from all the herbaria of Colombia and several other major institutions in other countries, to make a detailed description, and an identification key focusing on vegetative characters; finally, we recorded the species distributions through the herbarium specimens exsiccata and established their geographic distribution.

**Materials and Methods**

To perform this study, we studied the nomenclatural types of the 29 species reported in Colombia, its taxonomic history, synonyms and valid name. With this information, we revised the protologues of each species and taxonomic types photography in JPS-Jstor Plant Science. Once we studied these taxonomic entities we reviewed the specimens distributed in Colombia at the national herbaria CAUP, COL, CUVC, FMB, HUA, HEUS, HECASA, ICESI, JAUM, MEDEL, UIS, UPTC, UTMC; and the foreign herbaria through online versions MO, K, NY, GH, and MEXU (all the herbarium acronym were carried out according to Holmgren et al. (1990) and updated based on Thiers (continuously updated).

After the herbarium specimens were reviewed, we used the geographic information from each specimen and elaborated distributions maps for each species of Capparaceae distributed in Colombia, employing Q-GIS® (3.0). We used these dataset and maps to select locations that were mainly visited during 2015 and 2017 to collected plant specimens of Capparaceae.

**Results and Discussion**

We found 32 species and ten genera occurring in Colombia, from 1,800 specimens reviewed from herbarium and close of 100 wild collected specimens (supplementary material - Table S1, available at <https://doi.org/10.6084/m9.figshare.10141595.v1>). These species mainly grow in lowlands over tropical dry forest, however some taxa grow in wet, very wet and Andean forest (see distribution and habit below). From 32 species, Cynophalla linearis (Jacq.) J. Presl, Capparidastrum cuatrecasanum (Dugand) Cornejo & Iltis, Capparidastrum grandiflorum Cornejo & Iltis, Morisonia tenuisiliqua (Jacq.) Cornejo & Iltis, Morisonia multiflora Triana & Planch., Steriphoma tenuisiliqua Cornejo & Iltis, St. menispermifolium Cornejo & J. D. Mercado Gómez are endemic to Colombia.

**Capparaceae Juss.**

Trees or shrubs 1–40 m tall; stems glabrous or recovered by simple, stellate, peltate, peltate-stellate trichomes on new branch; tuberculose lenticels (orbicular or elongate) present or absent. Extrafloral supraxillary nectaries present only in Cynophalla. Leaves evergreen, simple or composed (trifoliate in Crateva), alternates and arranged in spiral, distichous in Cynophalla; stipules present or absent; petiole similar or unequal length, sessile and subseisile (Cynophalla), angulate or terete, stem glabrous or with simple, stellate, peltate, peltate-stellate trichomes, ventrally canalicated or smooth; pulvinus mainly present on unequal petioles. Blades coriaceous, chartaceous, membranaceous and papyraceous; ovate, oblong, spathulate, ellipsoida, oblanceolate, hastate and linear; base rounded, truncate, attenuate, cordate, semicordate, cuneate, even deltoid, apex acute, obtuse, acuminate and retuse; margin entire, undulate and revolute; mainly glabrous above and glabrous or short pilose, stellate, peltate and peltate-stellate beneath; venation camptodromous. Inflorescences or solitary flowers, axillar or terminal, racemes, racemes corymbiform, or panicles with 6–50 flowers; subtended for bracts or not; pedicels glabrous or short pilose, stellate, peltate and peltate-stellate; terete or angulate and in some case
ventrally canaliculated. Flowers actinomorphic, zygomorphic and hermaphroditic. Aestivation of calyx valvate, imbricate, calix uniseriate or biseriate, free or fused, mainly glabrous inside and glabrous or short pilose, stellate, peltate, and peltate-stellate. Petals imbricate, fused or free, white, black, cream, greenish and purple, mainly glabrous inside and glabrous. Floral nectaries episepals glands, fleshy, bulbous ovoid or scales deltoid, glabrous mainly or stellate and peltate. Stamens 4–∞, inserts or exserts, filaments glabrous or short-pilose at the base; anther basifix or dorsifixed. Gynophore developed or not (Quadrella odoratissima), exsert, rarely insert, glabrous or short-pilose, stellate and peltate; ovary (sub)sessile, glabrous or short-pilose, stellate, stellate-peltate, peltate, truncate or capitate. Fruits capsular, pepo amphirisarca, fleshy or dried, torulous or not, exocarp smooth, verrucose and peltate; seeds variable in number, globoids, ovoid, elliptic or reniform; testa smooth, thick and hard, to thin and easily movable.

**Identification key to the genera of Colombian Capparaceae**

1. Plants with leaves compound, trifoliate .................................................................................. 4. Crateva

1’. Plants with simple leaves .......................................................................................................... 2

2. Inflorescences conformed by a solitary flowers ............................................................. 1. Belencita

2’. Inflorescences racemes, corymbose racemes, or panicles .................................................... 3

3. Leaves with petiole of similar length ........................................................................................... 4

4. Leaves arranged spirally and supraxyillary extrafloral nectaries absent ......................... 5

5. Leaves stellate, peltate-stellate beneath. Coriaceous or membranaceous, margin entire .......................................................................................................................... 6

6. Leaves stellate beneath, and fruits amphisarca, spherical to oblong......................... 7

7. Leaves with margin entire, endemic of Colombian Caribbean .............................................. 2. Calanthea

7’. Leaves with margin revolute, plants habit in humid and Andean forest ......................... 8. Preslianthus

6’. Leaves peltate-stellate beneath and fruits torulous, capsule linear or cylindric ................ 10. Quadrella

8. Stem glabrous or slightly tomentosus ......................................................................................... 9

9. Stem without subulate stipules and tuberculous lenticels present ........................................ 3. Capparidastrum (C. pachaca)

9’. Stem with subulate stipules and tuberculous lenticels absent ..................................... 6. Monilicarpa

8’. Stem stellate or peltate ........................................................................................................... 10

10. Stem stellate, flowers zygomorphic. Stamens exsert and ovary smooth ..................... 10. Steriphoma

10’. Stem peltate-stellate, flowers actinomorphic. Stamens insert and ovary ribbed ...... 7. Morisonia

1. **Belencita** H. Karst.

1.1. **Belencita nemorosa** (Jacq.) Dugand, Caldasia 2: 371. 1944. Capparis nemorosa Jacq., Enum. Syst. Pl. 24. 1760.

Trees or shrubs, 1–5 m tall; stem usually glabrous, branch with indument stellate-glandular in juvenile and in terminal branch. Leaves simple, alternated and arranged spirally, petiole angular, ventrally canaliculated, of similar length 7–11 mm long, stellate or glandular. Blades coriaceous to chartaceous, ovate to elliptic, 9–12 × 3.9–4.5 cm, rounded at base, acute, attenuate to semicordate at apex, margin undulate, stellate in both side on new leaves, when mature, glabrous above or sparsely
stellate in the base of principal nerves and stellate beneath; 7–12 pairs of secondary veins. Solitary flower. Flowers axillar or terminal, actinomorphic and hermaphroditic, subtended by small triangular bracts, densely stellate; pedicel terete, 4–8 mm long, densely stellate throughout, but glabrous in senescence. Sepals fused, 20 × 10 mm, lobes deltoid, 15 × 10 mm, acute to acuminate at apex, stellate in both sides. Floral nectaries scales deltoid and glabrous. Petals imbricate, rhomboid, white, 40 × 15 mm, acute at apex, inner side stellate and glabrous on the outside. Stamens 8, filaments insert, 20 mm long, glabrous; anthers basifixed 5.5 mm long. Gynophore 21.5 mm long, slightly exserted, glabrous; ovary oblongoid, 5–8 × 2 mm, glabrous; stigma sessile and truncated. Fruits amphisarca, globoid to ovoid, 5–6 × 3.5 cm; seeds 6–12, ellipsoidal, globoids to reniform.

Selected specimens examined: COLOMBIA. ATLÁNTICO: entre Leña y Candelaria, 11.I.1941, A. Dugand 2785 (COL). Endemic to the Caribbean region of Colombia. Found close to the beach, mangrove and tropical dry forest (Fig. 1a).

2. *Calanthea* Miers.

2.1. *Calanthea pulcherrima* (Jacq.) Miers., Proc. Roy. Hort. Soc. London 4: 161. 1864. *Capparis pulcherrima* Enum. Syst. Pl. 24. 1760.

Treelets or shrubs, 1–5 m tall; stem glabrous or stellate in new or terminal branch. Leaves simple, alternate and arranged spirally; petiole angular and ventrally canaliculated, glabrous or stellate on new branch, of similar length, 7–9 mm long. Blades coriaceous, oblongolate, ovate to elliptic 7–9.5 × 3–3.5 cm, attenuate, obtuse to rounded at base, obtuse, rounded to emarginate at apex, margin undulate, glabrous mainly or slightly stellate at the base of juvenile leaves on new branch; 10–15 pairs of secondary veins. Racemes terminal, with 8–12 flowers; rachis angular, densely stellate throughout. Flowers actinomorphic and hermaphroditic; subtended by small triangular bracts, densely stellate throughout; pedicel 11 mm long, angular, densely stellate-puberulent. Aestivation of calyx imbricate, sepals oblanceolate, 10–12 × 2 mm, acute at apex, stellate at the both sides. Floral nectaries scales deltoid and stellate. Petals imbricate, oblongoid, white or pink, 18 × 6 mm, acute at apex, inner side densely stellate and tomentosus in the outside. Stamens 8, filaments exsert, 35 mm long, glabrous; anthers basifixed, 6 mm long. Gynophore exserts 21.5 mm long, densely stellate throughout; ovary oblongoid, 1.3–5.6 mm long, densely stellate throughout; stigma sessile and capitate. Fruits amphisarca, globose to ovoid, 15–20 cm long; seeds 10–25, ellipsoidal.

Selected specimens examined: COLOMBIA. ATLÁNTICO: entre Leña y Candelaria, 11.I.1941, A. Dugand 2785 (COL). Endemic to the Caribbean region of Colombia. Found close to the beach, mangrove and tropical dry forest (Fig. 1a).

3. *Capparidastrum* (DC.) Hutch.

Trees or shrubs; stem glabrous or less common simple short pilose, with tuberculous lenticels ovoid to elongate. Leaves simple, subtended by pairs of triangular stipules, alternate and arranged spirally; petioles of unequal length with pulvinus at base, apex or both tips, terete or semiterete. Blade coriaceous, membranaceous to papyraceous, acute to acuminate at apex, acute to rounded, cordate even unequal at base, margin entire to slightly undulate, glabrous to slightly pilose. Racemes terminal or subterminal racemes, mainly glabrous. Aestivation of calyx imbricate, valvate; sepals free. Flowers actinomorphic and hermaphroditic. Floral nectaries fleshy, scales deltoid-ovoid and glabrous. Petals twice the size of sepals. Stamens exserts, twice the size of petals. Gynophore exsert, larger than the stamens. Fruits pepo or amphisarca, seeds variable in number, ovoid, ellipsoidal to reniform.

**Identification key to the species of *Capparidastrum***

1. Blades glabrous throughout .......................................................................................................................... 2
2. Stem with tuberculous lenticels, blades coriaceous to membranaceous, and margin mainly entire to slightly undulate................................................................. 3
3. Plants no leafy, petals glabrous outside ................................................................................................. 4
4. Pedicels ≤ 6 cm ........................................................................................................................................... 5
5. Stamens ≤ 35 mm long, gynophore ≤ 40 mm long.................................................................................. 6
6. Anther basifixied and fruits capsular.........................3.8. Capparidastrum sola
6’. Anther dorsifixied and fruits in pepo.................3.6. Capparidastrum osmanthus
5’. Stamens ≥ 40 mm long, gynophore ≥ 65 mm long...........................................
..................................................3.4. Capparidastrum macrophyllum
4’. Pedicels ≥ 8 cm long .............................................3.5. Capparidastrum megalospermum
3’. Plants leafy, petals pubescent outside ....................3.2. Capparidastrum frondosum
2’. Stem without tuberculous lenticels, blades chartaceous and, margin strongly undulate ..........3.7. Capparidastrum pachaca
1’. Blades short pilose beneath........................................3.1. Capparidastrum cuatrecasanum
7. Petals ≤ 16 mm long, stamens ≤ 40 mm long and gynophore ≤ 90 mm long...........................
..............................................................................................3.1. Capparidastrum cuatrecasanum
7’. Petals ≥ 20 mm long, stamens ≥ 30 mm long and gynophore ≥ 100 mm long........................3.3. Capparidastrum grandiflorum

3.1. Capparidastrum cuatrecasanum (Dugand) Cornejo & Iltis, Harvard Pap. Bot.
13(2): 233. 2008. Capparis cuatrecasana
Dugand, Caldasia 1(2): 41. 1941.

Trees, 5 m tall; stem glabrous or pilose on new or terminal branch, densely tuberculous elongate lenticelled. Petiole terete, densely short pilose, 1–12 cm long; pulvinus at both tips. Blades coriaceous, ovate-elliptic, 5–22 × 6–10 cm, acute at base, acute at apex; margin entire, glabrous above and short-pilose beneath; 10–12 pairs of secondary veins. Racemes terminal or subterminal, with 12–15 flowers; rachis terete, densely short pilose. Flowers subtended by triangular bracts; pedicel terete, 20–40 mm long, densely short pilose throughout. Sepals ovate to deltoid, 6 × 5.5 mm, rounded at apex, short pilose in both sides. Floral nectaries scales glabrous. Petals free, oblong, 9–16 × 6–9 mm, rounded at apex, glabrous. Stamens 20–30, filaments 35 mm long, glabrous; anthers dorsifixied, 2.5 mm long. Gynophore 70 mm long, glabrous; ovary ellipsoidal, 3 × 1.5 mm, glabrous; stigma sessile, truncate. Fruits pepos, ovoid, 3.5 × 2–7 cm, exocarp smooth; seeds 15–30, reniform to ellipsoidal.

Selected specimens examined: COLOMBIA. CUNDINAMARCA: San Antonio de Tequendama, 10.III.1940, J. Cuatrecasas 8275 (COL). SANTANDER: Matanza, mina La Viborita, 7°15’34.66”N, 73°14’36.67”W, 12.XII. 2014, J. Vega 48 (CDMB).

Endemic to the northeast of Colombia, over the East Andean cordillera. Found in wet Andean forest (Fig. 1a).

3.2. Capparidastrum frondosum (Jacq.) Cornejo & Iltis, Harvard Pap. Bot. 13: 232. 2008. Capparis frondosa Jacq., Enum. Syst. Pl. 24. 1760. Pleuron frondosa (Jacq.) Raf., Sylva Tellur. 109. 1838. Uterveria frondosa (Jacq.) Bertol., Horti. Bonon. Pl. Nov. 2: 8-9. 1839.

Small trees, shrubs or scandent vines, 6 m tall; stem glabrous, densely covered by tuberculous elongate lenticells. Petiole terete or angular, glabrous, 0.5–4.5 cm long; pulvinus at both tips. Blades coriaceous, elliptic to orbiculate, 8–22 × 3.8–12.1 cm, cordate to slightly attenuate at base, acute, obtuse, retuse and acuminate at apex; margin entire to undulate, glabrous; 7–10 pairs of secondary nerves. Corymbs racemes terminal, with 4–6 flowers; rachis terete and glabrous. Flowers subtended by small triangular bracts; pedicel terete, 8–11 mm long, glabrous. Sepals fused at the base, oval to orbicular, 0.8–1.5 × 1.5 mm, rounded at apex, glabrous on the inner side and simple hairs on the outside. Floral nectaries scales deltoid and glabrous. Petals white-greenish even purple at the base, ovate to orbicular, 8–10 × 6 mm, rounded at apex, glabrous. Stamens 27–60, filaments 14–15 mm long, glabrous; anthers dorsifixied, 1 mm long. Gynophore 15–20 mm long, glabrous; ovary elongates 4–5 mm long, glabrous; stigma sessile, truncate. Fruits capsular, cylindric to oblong, 20–40 × 8 mm, exocarp smooth; seeds 10–20, ovate to reniform. 

Selected specimens examined: COLOMBIA. ARAUCA: Arauca, Mata de Monte, 6°48’41.09”N, 70°59’31.57”W, 10.III.2013, F. Mijares 574 (COL, FMB). CASANARE: Paz de Ariporo, La Hermosa 5°36’23.8”N, 70°15’35.7”W, 31.X.2004, J. Ramirez-Arango 9123 (FMB). SUCRE: Colosó, Primates, 17.VI.1987, A. Cogollo 2418 (JAUM).

Distributed from Mexico to Peru. Found in tropical dry forest and humid forest, savannah and disturbed forest (Fig. 1b).
3.3. *Capparidastrum grandiflorum* Cornejo & Iltis, Harvard Pap. Bot. 15(1): 155. 2010.

Trees, 7–20 m tall; stem glabrous and densely short pilose at the new branch, tuberculous elongate, orbicular to oblong lenticelled. Petiole terete, glabrous or slightly short pilose, 2–17 cm long; pulvinus at both tips. Blades chartaceous to coriaceous, ovate to elliptic, 7–31 × 3.5–16 cm, obtuse, rounded at base, apiculate, obtuse and acuminate at apex; margin entire, glabrous above

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**Figure 1** – Distribution map of species of Capparaceae to the flora of Colombia – a. *B. nemorosa*, *C. pulcherrima* and *C. cuatrecassanum*; b. *C. frondosum*; c. *C. grandiflorum*, *C. megalospermum*, *C. macrophyllum*, *C. pachaca*, *C. osmanthus* and *C. sola*; d. *C. tapia*. 

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and short pilose beneath; 7–8 pairs of secondary veins. Corymbs racemes terminal, with 2–14 flowers; rachis terete and short-pilose. Flowers subtended by pairs of small triangular bracts, densely short pilose throughout; pedicel terete, 30–70 mm long, densely short pilose throughout. Sepals oval to deltoid, 2–6 × 2–6 mm, rounded at apex, glabrous at inner side and short pilose on the outside. Floral nectaries, orbicular and glabrous. Petals imbricate, oblong, white, 20–24 × 9–13 mm, rounded at apex, glabrous. Stamens 33–50, filaments 11–13 cm long, glabrous; anthers dorsifixed, 10–12 mm long. Gynophore filaments very exsert 65–110 mm long, glabrous; anthers dorsifixed, 2–5 mm long. Gynophore exsert, glabrous, 15–20 cm long; ovary ovate to elliptic, 2–5 mm long, short pilose; stigma sessile, truncate. Fruits pepo pedunculate, ovate, elliptic to oblong 9–10 × 3–3.3 mm, glabrous; stigma very exsert, 70–120 mm long, glabrous; ovary ovate to elliptic 9–10 × 3–3.3 mm, glabrous; stamens 80–130, filaments very exsert 80–130 mm long, glabrous; anthers dorsifixed, 2–5 mm long. Gynophore very exsert, 70–120 mm long, glabrous; ovary ovate to elliptic 9–10 × 3–3.3 mm, glabrous; stamens 80–130, filaments very exsert 80–130 mm long, glabrous; anthers dorsifixed, 2–5 mm long. Gynophore very exsert, 70–120 mm long, glabrous; ovary ovate to elliptic 9–10 × 3–3.3 mm, glabrous; stamens 80–130, filaments very exsert 80–130 mm long, glabrous; anthers dorsifixed, 2–5 mm long. Gynophore very exsert, 70–120 mm long, glabrous; ovary ovate to elliptic 9–10 × 3–3.3 mm, glabrous; stamens 80–130, filaments very exsert 80–130 mm long, glabrous; anthers dorsifixed, 2–5 mm long. Gynophore very exsert, 70–120 mm long, glabrous; ovary ovate to elliptic 9–10 × 3–3.3 mm, glabrous; stigma sessile and truncate. Fruits capsular, oblongs to ellipsoidal to globoids.

Selected specimens examined: COLOMBIA. META: La Macarena, PNN Tiniguas, Centro de Investigaciones Primatológicas Macarena, 1985, H. Tatsuyuki 214 (FMB).

Distributed in Venezuelan and Colombian Andes, lowlands of Ecuador, Peru and Brazil. It is found in wet to very wet Andean forest and lowland forest (Fig. 1c).

3.5. Capparidastrum megalospermum Cornejo & Iltis, Harvard Pap. Bot. 15(1): 159, f. 2, 4, 2010.

Trees, 15 m tall; stem glabrous, tuberculous lenticels oblong-elliptic to suborbicular present. Stipules unknown; petiole 2–37 cm long, (sub) terete, glabrous, pulvinus present on both tips. Blades chartaceous to coriaceous, elliptic-lanceolated to elliptic-obovate 20–60 × 7–20 cm, base obtuse to cuneate, apex acuminate to acute; margin entire, glabrous; 8–13 pairs of secondary veins. Inflorescences terminal, racemes with 10 flowers, rachis terete and glabrous; pedicels 80 mm long, glabrous. Sepals imbricate, deltoid 6 × 4 mm. Fruits in pepe, pendulous capsulate, ellipsoid 15 × 8 mm, exocarp smooth; seeds 10–25 ellipsoidal.

Selected specimens examined: COLOMBIA. NARIÑO: Costa del Pacífico, Herrera, 27-29.VI.1953, Idrobo & Iltis (COL).

Distributed from southwestern of Colombia to Equator. Found at wet to very wet Andean forest and lowland forest (Fig. 1c).

3.6. Capparidastrum osmanthum (Diels) Cornejo & Iltis, Harvard Pap. Bot. 13(2): 234. 2008. Capparis osmantha Diels., Notizbl. Bot. Gart. Berlin-Dahlem 14: 332. 1939. Capparis guaguaensis Steyerm., Fieldiana, Bot. 28(1): 238. 1951. Capparis macrophylla Kunth., Nov. Gen. Sp. (quarto ed.) 5: 91. 1821.

Small trees or shrubs, 5 m tall; glabrous throughout, with tuberculous lenticels elongates, in mature stem lenticels inconspicuous. Petioles terete, glabrous, 5–12 cm long; pulvinus at both tips. Blades membranous to papyraceous, elliptic to ovate-elliptic, 8–17 × 4.5–8.5 cm, acute at base, acuminate to acute at apex; margin entire; 8–18 pairs of secondary veins. Corymbs racemes terminal, with 5–15 flowers; rachis (sub) terete and glabrous. Flowers subtended by pairs of triangular and deciduous bracts; pedicels terete, 20–35 mm long, glabrous or short pilose. Sepals fused at the base, ovate to deltoid, 2 × 1–2 mm, acute to rounded at apex. Floral nectaries orbicular and
Synopsis of Capparaceae

3.7. Capparidastrum pachaca (Kunth) Hutch., Gen. Fl. Pl. 2: 310. 1967. Capparis pachaca Kunth., Nov. Gen. Sp. (quarto ed.) 5: 93. 1821.

Small trees or shrubs, 10 m tall; stem glabrous throughout; tuberculous lenticels present in young stem, however when mature inconspicuous. Petioles of similar length, 3–12 cm long, (sub)terete, ventrally canaliculate, glabrous; pulvinus inconspicuous or absent. Blades coriaceous and rigid, oblongate-ovate to elliptic to ovoid 3–5 × 3–4 cm; seeds 30–40, elliptic to reniform.

Selected specimens examined: COLOMBIA. AMAZONAS: Puerto Nariño, trapejo amazónico, J.M. Duque-Jaramillo 2149 (COL). CAQUETÁ: Río Caguán, 20.VI.1953, R. Romero-Castañeda 4022 (COL).

Distributed in Colombia, Venezuela, east of Ecuador, Brazil and Peru. Found in wet to very wet forest (Fig. 1c).

3.8. Capparidastrum sola (J.F. Macbr.) Cornejo & Iltis, Harvard Pap. Bot. 11(1): 17. 2006. Capparis sola J.F. Macbr., Candollea 5: 359. 1934. Capparis acutifolia J.F. Macbr., Candollea 5: 358. 1934.

Trees or shrubs, 3–10 m tall; stem glabrous throughout; tuberculous orbicular lenticelled. Petioles terete, glabrous, 5–16 cm long; pulvinus at both tips. Blades coriaceous, elliptic, 15–22 × 6–9 cm, cuneate to cordate at base, acute at apex; margin entire; 10–12 pairs of secondary veins. Racemes terminal or axillary, elongate, with 11–28 flowers; racenis angular and glabrous. Flowers subtended by pairs of triangular bracts; pedicels terete, 1.2–2.5 mm long and glabrous. Sepals fused at base, orbicular to deltoid, 1 × 1 mm, rounded to obtuse at apex, glabrous. Stamens 100–∞, filaments 10–30 mm long, glabrous; anthers basifixated, 1.3 mm long. Gynophore 30 mm long, glabrous; ovary globoid 2 × 1.5 mm; stigma sessile, capitiate. Fruits capsular, cylindric–oblong, torulous 10–50 × 20–30 cm, exocarp smooth; seeds 7–10 ovate to reniform.

Selected specimens examined: COLOMBIA. AMAZONAS: Solano, Araracuara, Río Caquetá, 07.VIII.1977, J.M. Idrobo 8946 (COL). GUAJARE: San José de Guaviare, PNN Nukak, 02.II.1996, M.P. Cordoba et al. 1866, 1872 (FMB).

Distributed in the Colombian Amazonia, Venezuela and Brazil. Found in wet to very wet forest (Fig. 1c).

4. Crateva L.

4.1. Crateva tapia L., Sp. Pl. 1: 444. 1753. Capparis radiatiflora (DC.) Ruiz & Pav. ex E. Álvarez L., Anales Inst. Bot. Cavanilles 16: 387, t. 433. 1958. Capparis ternata Tafalla., Fl. Huayaquilensis 1:161. 1989. Cleome arborea Schrad., Nov. Gen. Sp. (quarto ed.) 2(72): 707. 1821. Colicodendron obliquifolium Turcz., Bull. Soc. Imp. Naturalistes Moscou 27(3): 328. 1854. Crateva acuminata DC., Prod. 1: 243. 1824. Crateva apetala Urb., Symb. Antill. 7: 508. 1913. Crateva bahiana Ule., Bot. Jahrb. Syst. 42(2): 202. 1908. Crateva benthamii Eichler., Fl. Bras. 13(1): 265-266, t. 59. 1865. Crateva benthamii var. leptopetala Eichler., Fl. Bras. 13(1): 265-266. 1865. Crateva coriacea Herzog., Repert. Spec. Nov. Regni Veg. 7(134/136): 52. 1909. Crateva gynandra L., Sp. Pl. 1: 636-637. 1762. Crateva radiatiflora DC., Prod. 1: 243. 1824. Crateva tapia var. glaucia (Lundell) Standl. & Steyerm., Publ. Field Mus. Nat. Hist., Rodrigoóis 70: e00232018. 2019.
Bot. Ser. 23(2): 55. 1944. *Crataeva tapioides* DC., Prod. 1: 243. 1824. *Capparis ternata* Tafalla, Fl. Huayaquilensis 1: 161. 1989.

Trees or shrubs, 10–30 m tall; glabrous throughout, with tuberculous lenticels elongated, very abundant. Leaves palmately-compound, 3-foliolate, alternate and arranged in spiral, subtended by pairs of small triangular stipules; petioles angular, glabrous, unequal in size 5–20 cm long, very long. Leaflet membranaceous, elliptic ovate, ovate-elliptic, 8–20 × 2–10 cm; central leaflet: petiolule 4–10 mm long, base cuneate to acute; apex acuminate, acute to round; margin entire. Corymbose racemes terminal, with 6–20 flowers; rachis angular, ventrally canaliculate and glabrous. Flowers zygomorphic and hermaphroditic, perigynous, subtended by pairs of linear to lanceolate bracts; pedicels terete, 20–50 mm long, glabrous. Aestivation of calyx deccussate; sepals lanceolate, oblong to ovate, 5–15 × 1–3 mm; rounded at apex. Floral nectaries glabrous. Petals decussate, lanceolate, oblong, unguiculate, to spathulate; 8–45 × 2–13 mm; base of petals of 4–10 mm long; rounded at apex. Stamens 14–20; filaments very exserts, 8–50 mm long, glabrous; anthers basifixed, 3.5 mm long. Gynophore 10–60 mm long, glabrous; ovary ovoid, 4–7 × 3–4 mm; stigma discoid, subsessile, capitale. Fruits amphisarca, globoids, 3–8 cm diam; exocarp smooth, granulose or with lenticels; seeds 7–20, reniform.

**Selected specimens examined**: COLOMBIA. AMAZONAS: Parque Nacional Natural Amacayacú, 06.VIII.1988, *M. Amaya* 49 (COL). ATLANTICO: Barranquilla, zona industrial en cercanías al Río Magdalena, 11°1’43.23”N, 74°48’51.41”W, 09.III.2013, *J.M. Vélez-Puerta et al.* 4365, 4373 (MEDEL). CUNDINAMARCA: Pandi, vereda El Yarumo, puente sobre el Río Negro en el cruce con el río Sumapaz, 23.XI.1998, *K. Poveda* 29 (COL).

Distributed from Mexico to Argentina. Found in a wet to very wet forest, lowland and tropical dry forest (Fig. 1d).

5. *Cynophalla* (DC.) J. Presl.

Trees or shrubs; stem mainly glabrous or short pilose on new branch. Extrafloral supraxillary nectaries present in terminal or new branch. Leaves simple, alternate and terminal branch with distichous and zigzag phyllotaxy, subtended by a pair of small triangular stipules; petioles of similar length, pulvinus absent, sub(sessile). Corymbose racemes or racemes terminal. Flowers actinomorphic and hermaphroditic, some flowers suppressed or are glands located in each angle. Aestivation of calyx imbricate, sepals biseriate, inner whorls bigger than the outer ones. Petals imbricate, bigger than sepals, apex orbicular. Petals with aestivation imbricate. Stamens numerous, exserts, mainly glabrous, anther dorsifixed. Gynophore exsert; ovary mainly cylindric. Fruits capsular, torulous or no-torulous; seed variable in number.

**Identification key to the species of Cynophalla**

1. Leaves (sub)sessile................................................................................................................................ 2
2. Stem and blades short pilose. Fruits with smooth exocarp................................................................. 5.6. *Cynophalla sessilis*
   2’. Stem and blades glabrous. Fruit with verrucose exocarp.............................................................. 5.7. *Cynophalla verrucosa*
1’. Leaves petiolate .................................................................................................................................... 3
3. Blades linear ............................................................................................................................................ 5.4. *Cynophalla linearis*
   3’. Blades ovate, oblong, spathulate, ellipsoid, oblanceolate or hastate ............................................. 4
   4. Blades with margin revolute and sepals fused at base......... 5.1. *Cynophalla amplissima*
   4’. Blades with margin entire and sepals free at base ............................................................................... 5
   5. Blades retuse at the apex. Flowers with more than 100 stamens ....................................................... 5.2. *Cynophalla flexuosa*
   5’. Blades acute to acuminate at the apex. Flowers with less of 90 stamens .................... 6
   6. Blades membranaceous and acuminate at the apex. Fruits torulous and exocarp smooth ................................................................................................................................. 5.5. *Cynophalla polyantha*
   6’. Blades coriaceous to chartaceous and acute at the apex. Fruits bacciform and exocarp verrucose ................................................................................................................................. 5.3. *Cynophalla hastata*
5.1. *Cynophalla amplissima* (Lam.) Iltis & Cornejo, Rodriguésia 61(1): 154. 2010. *Capparis amplissima* Lam., Enum. Syst. Pl. 1: 607. 1783. *Capparis nitida* Ruiz & Pav. ex DC., Prod. 1: 252. 1824. *Capparis pendula* Triana & Planch., Ann. Sci. Nat., Bot., sér. 4, 17: 76-77. 1862.

Trees or shrubs, 10–20 m tall; stem glabrous or short pilose at the new branch. Petioles sub(terete), ventrally canaliculated, angular, 5–20 cm long, glabrous. Blades chartaceous to membranaceous, elliptic, oblanceolate, elliptic-oblongate, 5–18 × 3–8 cm, subcordate, obtuse and rounded at base, acuminate to obtuse at apex; margin revolute, glabrous; 9–12 pairs of secondary veins. Racemes terminal or axillary, with 6–15 flowers; rachis terete and glabrous. Pedicels terete, short-pilose at the new branch. Petioles sub(terete), 5–10 mm long, glabrous. Petioles angular, terete, 5–20 cm long, glabrous. Blades coriaceous and rigid, elliptic, oblong to oblongs-deltoids, 3–10 × 2–7 cm, cuneate, obtuse and rounded to subcordate at base, retuse to slightly obtuse at apex; margin entire, glabrous; 8–10 pairs of secondary veins. Racemes terminal, with 6–8 flowers; rachis terete and glabrous. Pedicels terete, glabrous or short-pilose, 10–20 mm long. Sepals imbricate or fused at the base, rounded to obtuse at apex: inner series 7–8 × 8–10 mm and outer series 5–6 × 4–5 mm. Floral nectaries scales deltoids and glabrous. Petals oblons, white or pink, 15–30 × 10–20 mm, rounded to subcordate at base, retuse to slightly obtuse at apex. Stamens 100–∞, filaments 40–80 mm long, with glandular trichomes at the base; anthers basifixed, 3–5 mm long. Gynophore 20–50 mm long, glabrous; ovary oblongoid to cylindrical 4–7 × 0.5–1 mm, glabrous; stigma sessile, truncate. Fruits pendular, linear to cylindrical, torulous, 6–15 cm × 4–8 mm, exocarp smooth; seeds 8–22, glabroid.

Selected specimens examined: COLOMBIA. ARCHIPIÉLAGO DE SAN ANDRÉS, PROVIDENCIA Y SANTA CATALINA: North clift, 26.XII.1990, P. Lowy 304 (COL). BOLÍVAR. Zambrano, Finca Forestal Monterrey, 9°38'20.20"N, 74°54'31.76"W, 1.VII.1996, H. Mendoza 1468 (COL, FMB). SANTANDER: Piedecuesta, sector Cabrera, 7°5'12.16"N, 73°5'0.20"W, 29.IV.2002, L.A. Pinto 14 (CDMB).

Distributed from Central America to Colombia and Venezuela. Found in close proximity to the beach and tropical dry forest (Fig. 2a).

5.2. *Cynophalla flexuosa* (L.) J. Presl, Přír. Rostlin 2: 275. 1825. *Morisia flexuosa* L., Pl. Jamaic. Pug. 14, 1759. *Capparis baducca* Sessé & Moc., Fl. México (ed. 2). 129. 1844. *Capparis brevisiliqua* DC., Prodr. 1: 251. 1824. *Capparis capparoides* var. *bijlor* Bello, Anales Soc. Esp. Hist. Nat. 10: 237. 1881. *Capparis capparoides* var. *elliptica* Bello, Anales Soc. Esp. Hist. Nat. 10: 237. 1881. *Capparis diversifolia* Sessé & Moc., Fl. México. 130. 1849. *Capparis flexuosa* (L.) L., Sp. Pl. (ed.2) 1: 722. 1762.

Small trees, shrubs or vines, 10 m tall; stem glabrous throughout. Petioles angular, terete, ventrally canaliculate, 5–10 mm long, glabrous.
Figure 2 – Distribution map of species of Capparaceae to the flora of Colombia – a. *C. amplissima*, *C. flexuosa* and *C. linearis*; b. *C. hastata*, *C. linearis*; c. *C. sessilis* and *C. verrucosa*; d. *M. tenuisiliqua*, *M. americana* and *M. multiflora*.
Synopsis of Capparaceae

Floral nectaries, concave and glabrous. Petals greenish, obovate 18–30 × 11–13 mm; apex rounded to obtuse. Stamens 50–90, filaments 23–44 mm long, short pilose at the base; anthers basifixed, 4 mm long. Gynophore exsert, 23–43 mm long, short pilose; ovary oblontoid to cylindric 6–10 × 1–2 mm, glabrous; stigma sessile and truncate. Fruits bacciform, cylindric, no torulous, 4–6 × 1–2 mm, exocarp glabrous, slightly verrucose; seeds 8–22, ellipsoidal.

Selected specimens examined: COLOMBIA. BOLÍVAR: Isla de Tierra Bomba, 10°21'41.03"N, 75°33'46.09"W. XIII.1996, H. Mendoza 170. (FMB). Zambrano, Finca Forestal Monterrey, 15 XIII.1991, S. Zuluaga 172 (FMB).

MAGDALENA: San Sebastián, San Valentín, NE de Mompox, 9°16'39.13"N, 74°25'33.17"W, 25.11.2000, R. Callejas 12433 (COL, HUA).

Distributed in the north of Colombia, Venezuela and Caribbean Islands. It is found close to beach and tropical dry forest (Fig. 2b).

5.4. *Cynophalla linearis* (Jacq.) J. Presl, Pfr. Rostlin 2: 275. 1825. *Capparis linearis* Jacq., Enum. Syst. Pl. 24: 1760. (Jacq.) J. Presl, Přir. Rostlin 2: 275. 1825.

*Cynophella linearis* (Jacq.) J. Presl, Přir. Rostlin 2: 275. 1825. Distributed in the north of Colombia and Venezuela. It is found close to beach and tropical dry forest (Fig. 2a).

5.5. *Cynophalla polyantha* (Triana & Planch.) Cornejo & Iltis, Harvard Pap. Bot. 13(1): 118-119. 2008. *Capparis polyantha* Triana & Planch., Ann. Sci. Nat., Bot., sér. 4, 4 17: 76. 1862. *Capparis flexuosa* subsp. *polyantha* (Triana & Planch.) Iltis., Fl. Venez. Guaya 4: 139. 1998.

Shrubs or small trees, 6 m tall; stem glabrous throughout. Petioles 7–13 mm long, terete, ventrally canaliculated, angular and glabrous. Blades coriaceous to papyraceous, elliptic to ovate, 9–15 × 3–9 cm, base cuneate, obtuse at the apex, margin entire, glabrous; venation with 8–12 pairs of secondary veins. Inflorescences terminal or axillary, corymbose racemes, with 6–12 flowers; rachis terete and glabrous. Pedicels 5–10 mm long, terete, slightly angular and glabrous. Sepals deciduous to imbricate, apex rounded to obtuse, orbicular and biseriate: inner series 10 × 10 mm and outer 8 × 8 mm, glabrous. Floral nectaries, concave and glabrous. Petals white, orbicular 8–10 × 8–10 mm, apex rounded to obtuse. Stamens 55–60, filament exsert of 30 mm long, glabrous; anthers basifixed of 3 mm long. Gynophore exsert of 40–60 mm long, glabrous; ovary oblongoid to cylindric 7–8 × 1 mm, glabrous; stigma sessile discoid and capitated. Fruits capsular, cylindric, torulous, 5–30 × 0.5–1 cm, exocarp smooth; seeds 4–15, ellipsoidal and arranged in two rows.

Selected specimens examined: COLOMBIA. ARCHIPIÉLAGO DE SAN ANDRÉS, PROVIDENCIA Y SANTA CATALINA: Providencia, south hill, Archibolds point, rocky point, Nanchioneal bay, Alligator point, 19-29.XII.1966, J. Torres 347 (COL). ATLÁNTICO: Lurucuá, Pendas, Alto de Matamba, 150 m, 10°38’00”N, 76°12’00”W, 28.XIII.2001, J. Pérez 1793 (JAUM). CASANARE: Pore, vereda Altamira, 5°44’14.93”N, 72°0’11.89”W, 01-06.X.2006, Prieto 5054 (FMB).

CAUCA: Bolívar, la Montañuela, 04°20’33.22’’N, 72°0’11.89”W, 01-06.X.2006, Prieto 5054 (FMB). CAUCA: Valle del Patía, 1°57’42”N, 77º11’58”W, 06.X.2007, P. Ramírez 20185 (FMB).

CAUCA: Bolívar, la Montañuela, 04°20’33.22’’N, 72°0’11.89”W, 01-06.X.2006, Prieto 5054 (FMB).

CYNOPHALLA POLYANTHA

Distributed mainly in Colombia, Venezuela and Bolivia. It is found at tropical dry forest, wet and Andean forest (Fig. 2b).

5.6. *Cynophalla sessilis* (Banks. ex DC.) J. Presl, Pfr. Rostlin 2: 275. 1825. *Capparis sessilis* Banks. ex DC., Prod. 1: 249.

Shrubs or small trees mainly erect or flexuous, 4 m tall; stem pubescent with orbicular...
lenticels. Petioles (sub)sessile and pubescent. Blades coriaceous to papyraceous, elliptic to ovate, 8–10 × 3–5 cm, base cordate, acute to slightly acuminate at the apex, margin entire, pubescent both, beneath and above, venation with 10–12 pairs secondary veins. Inflorescences terminal or axillary, corimbosse racemes with 10–12 flowers. Pedicels 5–15 mm long, ventrally canaliculated, terete and glabrous. Sepals imbricate to decussate, apex rounded to obtuse, orbicular and biseriate: inner series 5 × 4 mm and outer 3 × 4 mm, both glabrous. Petals imbricate to decussate, cream until greenish, orbicular to ovate 10–13 × 7–10 mm, apex rounded to obtuse. Stamens 90–100, filament exert of 20–25 mm long, glabrous; anthers basified of 3 mm long. Gynophore exert of 18–20 mm long, glabrous; ovary cylindric 4–6 × 1.2 mm, glabrous; stigma sessile and truncate. Fruits, torulos, cylindric, ovary cylindric 4–6 × 1.2 mm, glabrous; stigma sessile andtruncate.

**Selected specimens examined: COLOMBIA.**

**6. Monilicarpa Cornejo & Iltis.**

**6.1. Monilicarpa tenuisiliqua** (Jacq.) Cornejo & Iltis, J. Bot., Res. Inst. Texas 2(1): 70. 2008. *Capparis tenuisiliqua* Jacq., Enum. Syst. Pl. 24. 1760.

Trees or shrubs, 5 m tall; stem glabrous or tomentosus on new branch. Leaves simple, alternate, arranged spirally, subtended by a pair of triangular subulate stipules; petioles terete, unequal size, 1–6 cm long, tomentosus or puberulous, pulvinus present in both tips. Blades membranaceous to papyraceous, elliptic to elliptic-oblancoate 8–17 × 3–12 cm, base rounded, obtuse and truncate to slightly cordate, acute at apex, margin entire, puberulous beneath and glabrous above on new leaves, glabrous throughout on mature leaves; 8–12 pairs of secondary veins. Racemes terminal, with 20–50 flowers; racis (sub)terete, ventrally canaliculated and glabrous. Flowers actinomorphic and hermaphroditic, however some of the terminal flowers can be a monoic male flower; subtended by three small triangular bracts; pedicels 4–14 mm long, terete, glabrous or puberulous to tomentosus. Calyx with open aestivation, sepal fused at the base, forming a small tube, elliptic to deltoid 15–20 × 1–15 cm, margin ciliate, apex acute, with triangular lobes 1–15 × 1–2 mm.
glabrous or puberulent. Floral nectaries scales deltoid and glabrous. Petals imbricated, obovate to oblanceolate, green, 4–10 × 4–6 mm, obtuse at apex. Stamens 15–20, filaments exsert, 15–20 mm long, glabrous; anthers basifixed 2–3 mm long. Gynophore exsert, 15–35 mm long, glabrous; ovary cylindrical 2–6 × 0.5–1 mm, glabrous; stigma sessile and truncate. Fruits coriaceous, (sub)peltate at base. Racemes cauliflowers or branch flower arrangements, densely stellate or lepidote-peltate. Flowers actinomorphic and hermaphrodite, densely stellate. Stamens insert, biseriate and anther basifixed. Gynophore insert, ovary ovoid and ribbed. Fruits amphisarca, exocarp slightly verrucose.

**Identification key to the species of Morisonia**

1. Flowers with more than 40 stamens and ovary ribbed 22–23 mm long ....... 7.1. *Morisonia americana*
1’. Flowers with less up to 30 stamens and ovary no ribbed 3–9 mm long .......... 7.2. *Morisonia multiflora*

**7.1. Morisonia americana** L., Sp. Pl. 1: 503. 1753. *Morisonia elliptica* Rusby., Descr. S. Amer. Pl., *Morisonia johnstonii* Urb., Symb. Antill. 5: 348. 1907.

Trees or shrubs with scandent branches to 5 m tall; stem stellate or lepidote-peltate. Petioles terete, 1–14 cm long, stellate or lepidote-peltate. Blades coriaceous, oblong-elliptic to oblanceolate 8–30 × 3–15 cm, rounded at base, cordate sub(peltate), obtuse to retuse at apex, margin entire to slightly undulate, glabrous or stellate at the base of the blades in new leaves; 7–10 pairs of secondary veins yellow, ascending, prominent nerves with trichomes translucent stellate-tomentosus in juvenile leaves, glabrous on mature leaves. Corymbous racemes axillar, with 3–20 flowers; rachis angular, ventrally canaliculated and stellate. Flowers actinomorphic and hermaphroditic subtended by a pair of linear bracts, stellate throughout; pedicels angular or terete 1–20 mm long, glabrous, lepidote-peltate. Sepals with closed aestivation, with 2–4 irregular segment triangular 6–8 × 6 mm, reflexed, obtuse at apex, echinate outside and glabrous inside. Floral nectaries scales deltoid and stellate. Petals imbricated, obovate to oblanceolate, greenish, 7–10 × 4–6 mm, obtuse at apex, stellate-peltate outside and stellate inside. Stamens 17–30, filament insert, 8–10 mm long, glabrous; anthers basifixed, 2–3 mm long. Gynophore 1–16 mm long, stellate at base; ovary 3–9 × 2–7 mm, stellate-peltate to tomentosus; stigma sessile and capitated. Fruits oblong, 4–8 cm diameter, exocarp slightly verrucose; seeds 10–30, reniform to ellipsoidal (Fig. 2d).

**Selected specimens examined:** COLOMBIA. ATLÁNTICO: Barranquilla, predios de Argos, entre planta Termoflores y Cartón de Colombia, 11°1’41.57”N, 74°48’50.37”W, 11.III.2013, J.M. Vélez-Puerta 4430 (MEDEL). SANTANDER: Girón, vereda Chocoa, sector el Puente 7°4’20.50”N, 73°11’13.90”W, 22.VI.2006, C. Díaz 359 (COL).

Distributed from Mexico, Mesoamerica to Colombia, Venezuela, Ecuador to Antilles. It is found at tropical dry forest, wet and Andean forest (Fig. 2d).

7.2. *Morisonia multiflora* Triana & Planch. Ann. Sci. Nat., Bot., sér. 4 17: 87. 1862.

Trees or shrubs, 8–15 m tall; stem stellate or lepidote-peltate. Leaves simple, alternate, arranged spirally, petioles terete, 1–10 cm long, stellate or lepidote-peltate, ventrally canaliculated. Blades coriaceous, elliptic to ovate 8–40 × 3–25 cm, cordate or (sub)peltate at base, obtuse at apex, margin entire, glabrous or stellate at blades base in new leaf; 8–9 pairs of secondary veins,
principal vein stellate-tomentosus in juvenile leaves, scattered or glabrous on mature leaves. Corymbose racemes axillar, with 20–35 flowers, rachis terete, ventrally canaliculated and stellate. Pedicels terete, 6 mm long, stellate. Sepals with closed aestivation, with 2–4 irregular segment, deltoid, 10 × 4–8 mm, rounded at apex, stellate tomentosus on both sides. Floral nectaries scales deltoid and densely stellate throughout. Petals imbricated, obovate to oblong, greenish, 17–19 × 10–15 mm, rounded at apex, stellate-peltate on both sides. Stamens 45–50, filaments insert, 14–15 mm long, stellate tomentosus; anthers basifixed of 4 mm long. Gynophore 1–16 mm long, peltate-stellate throughout; ovary 12–13 × 5–7 mm, stellate-peltate to tomentosus; stigma sessile and capitated. Fruits globose, 5–8 cm diameter, exocarp slightly verrucose; seeds 10–30 ovoid.

**Selected specimens examined**: COLOMBIA. ANTIOQUIA: Amalfi, sector Almenara, 1,007 m, 25.VI.2003, A. Yepes 48 (HUA). Puerto Boyacá, Puerto Romero, 10.III.2000, C. Bernal 385 (COL). SANTANDER: Cimitarra, Puerto Olaya, 6°28’2.85”N, 74°21’1.16”W, 1.XII.1999, A. Idarraga 1286 (COL).

Distributed in Colombia. Found mainly in tropical dry forest and occasionally in wet forest (Fig. 2d).

8. **Preslianthus** Iltis & Cornejo.

Trees or shrubs stellate. Leaves simple, alternate and arranged in spiral, petiole of similar length, ventrally canaliculated, and pulvinus inconspicuous. Blades coriaceous to chartaceous, margin revolute or slightly revolute, stellate beneath and glabrous above, apex acuminate to acute. Inflorescences terminal, panicles with 6 flowers for each panicle; rachis terete, ventrally canaliculated, densely stellate, reddish or transparent. Flowers actinomorphic and hermaphroditic, pedicels angular, ventrally canaliculated, and densely stellate reddish or transparent. Floral nectaries, epsepals glands, scales deltoid and densely stellate throughout. Sepals valvate, stellate throughout. Petals imbricates of similar length of sepals, white or white-greenside. Stamens numerous very exsert, glabrous, anther dorsifixed. Gynophore very exsert; ovary glabrous. Fruits in amphisarca, globose to oblongoid.

**Identification key to the species of Preslianthus**

1. Sepals and petals larger than a 6 mm long and fruits elongates ................. 8.1. *Preslianthus detonsus*
1’. Sepals and petals smaller than a 5 mm long and fruits globose .................. 8.2. *Preslianthus pittieri*

8.1. **Preslianthus detonsus** (Triana & Planch.) Iltis & Cornejo, Harvard Pap. Bot. 16(1): 70. 2011. *Capparis detonsa* Triana & Planch., Ann. Sci. Nat., Bot., sér. 4 17: 80. 1862.

Trees or shrubs, 3–15 m tall; stem glabrous, on new branch densely stellate, brown or reddish. Petioles 3–5 cm long, (sub) terete or slightly angular and stellate reddish. Blades coriaceous to chartaceous, oblong, elliptic to ovate, 24–26 × 10 cm, rounded to cuneate at base; acuminate at apex, margin revolute, reddish stellate on both sides in juvenile leaves, while on mature leaves are scattered or glabrous; 10 pairs of secondary veins. Rachis angular, densely stellate; pedicels 2.9–4 mm long, angular and densely stellate. Sepals deltoid 6 × 3–4 mm, apex acute to obtuse, reddish, stellate tomentosus outside and glabrous inside. Petals yellow, oblanceolate to deltoid 9–10 × 7 mm, apex rounded and glabrous. Stamens 30–36, filament exsert 15–16 mm long, glabrous; anthers basifixed of 4 mm long. Gynophore exsert 30–70 mm long, glabrous; ovary oblongoid 5–10 × 5–7 mm, glabrous; stigma sessile and truncated. Fruits in amphisarca, oblongoid 6–14 × 5–8 cm, exocarp smooth; seeds 6–20 elliptic to ovoid.

**Selected specimens examined**: COLOMBIA. AMAZONAS: Leticia, camino hacia Tarapacá, km 17, 17.XII.1965, G. Lozano 432 (COL). CAQUETÁ: Cartagena, 20.VI.1953, G. Jesu Mendoza 1580 (HUA). CHOCÓ: al norte de Bahía Solano, 6°28’00’’N, 77°19’00’’W, 10.II.1994, A. Juncosa 1874 (JAUM). CÓRDOBA: Tierralta, Isla Boca de las Mujeres, 08°06’36’’N, 76°09’31’’W, 28.XI.1999, N. López 4642 (JAUM).

Distributed in Colombia, Venezuela and Brazil. It is found in cloud forests, pre-mountain jungle, rainforest and disturbed forest (Fig. 3a).
8.2. Preslianthus pittieri (Standl.) Iltis & Cornejo., Harvard Pap. Bot. 16(1): 70. 2011. Capparis pittieri Standl., J. Wash. Acad. Sci. 17(10): 253. 1927. Capparis crotonantha Standl., Publ. Field Mus. Nat. Hist., Bot. Ser. 4(8): 210. 1929. Capparis schunkei J.F. Macbr., Publ. Field Mus. Nat. Hist., Bot. Ser. 4(7): 170. 1929.

Trees or shrubs, 3–12 m tall; stem glabrous, on new branch densely stellate, brown or reddish. Petioles (sub)terete or slightly angular, of similar length 10–11 cm long, stellate reddish. Blades coriaceous to chartaceous, oblong, elliptic to ovate 15–29 × 5–10 cm, base rounded to cuneate; acuminate at the apex, margin entire or slightly revolute, reddish stellate on both sides in juvenile leaves while on mature leaves are scattered or glabrous; 10–12 pairs of secondary veins. Rachis terete, densely stellate, reddish or transparent. Pedicels 7–9 mm long, terete, densely stellate, reddish or transparent. Sepals valvate, deltoid 2–3 × 1 mm, apex acute, transparent or slightly reddish stellate tomentosus outside and glabrous or stellate inside. Petals white, oblanceolate to deltoid 3–3.5 × 3 mm, apex acute, transparent stellate tomentosus outside and glabrous inside. Stamens 16–25, filament exsert 15–40 mm long, glabrous; anthers basifixed of 1–2 mm long. Gynophore exsert 15–50 mm long, glabrous; ovary oblongoid 1–3 × 1–1.5 mm, glabrous, stigma sessile and truncated. Fruits in amphisarca, ellipsoidal 5–8 diameter, exocarp smooth; seeds 10–30, reniform to ovoid.

Selected specimens examined: COLOMBIA. CALDAS: Norcasia, Quebrada de Roque, 20.III.2012, J. Ramírez 247 (JAUM). CHOCó: El Carmen, alrededores de Bahía Solano, 6°13’09”N, 77°24’28”W, 7.V.1992, C. Barbosa 6990 (FMB, HUA). CóRDOBA: Tierralta, quebrada Naim, 08º06’36’’N, 76º09’31’’W, 29.XI.1999, N. López 4676 (JAUM). SANTANDER: Puerto Parra, 6º50’24.8”N, 74º00’28.4”W, 29.VIII.2010, A. Cogollo 12749 (JAUM).

Distributed in Colombia, Venezuela, Brazil and Bolivia. It is found in cloud forests, pre-mountain jungle, rainforest and disturbed forest (Fig. 3a).

9. Quadrella (DC.) J. Presl.

Small trees or shrubs; densely lepidote-peltate to stellate. Leaves simple, alternate, arranged spirally; petioles of similar length, ventrally canaliculated. Inflorescences terminal or axillary, racemes umbellated, or panicles. Flowers actinomorphic and hermaphroditic, subtended by a pair of subulate bracts, pedicels angular ventrally canaliculated. Floral nectaries, epsepals glands scuamiform. Petals imbricated. Gynophore developed or not. Fruits capsular torulous, linear-cylindric.

Identification key to the species of Quadrella

1. Blades silver or bronze, acuminate to acute at the apex and gynophore present................................. 9.1. Quadrella indica

1’. Blades brown to reddish, emarginated, rounded to apiculate at the apex and gynophore absent............... 9.2. Quadrella odoratissima

9.1. Quadrella indica (L.) Iltis & Cornejo., J. Bot. Res. Inst. Texas 4(1): 126-127. 2010. Bryenia indica L., Sp. Pl. 1: 503. 1753. (I.V.1753). Capparis amygdalina Lam., Encycl. 1: 608. 1783[1785]. Capparis furfuracea Ruiz & Pav. ex DC., Prodr. 1: 252. 1824. Capparis furfuracea Sessé & Moc., Fl. Mex. 129. 1894. Capparis indica (L.) Druce., Bot. Exch. Club Soc. Brit. Isles 3: 415. 1914. Capparis tonduzii Briq Annuaire Conserv. Jard. Bot. Genève 17: 391-392. 1914. Linnaeobreynia indica (L.) Hutch., Gen Fl. Pl. 2: 311. 1967. Linnaeobreynia tonduzii (Briq.) Hutch., Gen Fl. Pl. 2: 310. 1967. Pleuerton breynia (L.) Raf., Syl. Tellur. (4): 109. 1838. Pseudocroton tinctiorius Müll., Arg. Flora 55(1): 24-25. 1872. Quadrella breynia (L.) J. Presl., Prir. Rostlin 2: 261. 1825. Quadrella furfuracea (Ruiz & Pav. ex DC.) J. Presl., Prir. Rostlin 2: 260. 1825. Uterveria breynia (L.) Horti Bonon. Pl. Nov 2: 10. 1839.

Trees or shrubs, 3–10 m tall; stem glabrous, lepidote-peltate, densely on new branch, silver or slightly bronze. Petioles 2–6 cm long, angular, silver lepidote-peltate. Blades membranous, elliptic, oblong, oblongate-elliptic to obovate 4–11 × 3–6 cm, base cuneate and obtuse, acute to mucronated at the apex, margin entire or

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Figure 3 – Distribution map of species of Capparaceae to the flora of Colombia – a. *P. detonsus* and *P. pittieri*; b. *Q. indica* and *Q. odoratissima*; c. *S. colombianum, S. menispermifolium* and *S. paradoxum.*
slightly undulate, silver to slightly bronze beneath and stellate above; with 18–20 pairs lateral nerves. Inflorescences axillary, corymbose or umbrellate with 12–20 flowers; rachis terete, densely lepidote-peltate. Pedicels 5–10 mm long, and densely lepidote-peltate. Sepals fused in the base, deltoid 2–3 × 1–2 mm, apex acute, peltate outside and stellate tomentosus inside. Floral nectaries, erect deltoid scales and densely stellate tomentosus throughout. Petals cream, orbicular to elliptic 7–13 × 4–8 mm, apex acute, silver lepidote-stellate in both sides. Stamens 15–30, filament cream 7–13 mm long, exsert, stellate at the base; anthers dorsifixed of 2 mm long. Gynophore 30–35 mm long, insert, densely lepidote-peltate throughout; ovary cylindric 3–5 × 1–2 mm, densely lepidote-peltate throughout; stigma sessile and capitated. Fruits capsular, bacciform, torulous, cylindric 4–24 × 1–2 cm, exocarp smooth; seeds 2–11, globoid.

Selected specimens examined: COLOMBIA. ANTIOQUIA. Bricio, cuenca de Tenche, Río Cauca, 7°7'36.59''N, 75°39'48.88''W, 13.XII.2012, D. Zapata 24 (COL, JAUM). LA GUARIDA: Distacción, sitio Las Casitas-El Socorro, 10°53'51.80''N, 72°51'58.08''W, 31.VIII.1990, Marulanda O et al. 2110 (HUA). SUCRE: Colosó, Primates, 9°31'40.49''N, 75°21'54.18''W, 16.III.1997, L. Prado 091 (FMB).

Distributed from Mesoamerica to north of Colombia. Found in tropical dry forest (Fig. 3b).

9.2. Quadrella odoratissima (Jacq.) Hutch., Gen. Fl. Pl. 2: 308. 1967. Capparis odoratissima Jacq., Pl. Hort. Schoenbr. 1: 57–58, t. 110. 1797. Quadrella intermedia (Kunth) J. Presl., Pfl. Rostlin 2: 261. 1825. Capparis intermedia Kunth., Nov. Gen. Sp. (quarto ed.) 5: 98. 1821. Capparis ferruginea L., Syst. Nat. (ed. 10) 2: 1071. 1759. Colicodendron lepidotum Turcz., Bull. Soc. Imp. Naturalistes Moscou 27(2): 327. 1854. Capparis lepidota (Turcz.) Knuth, Repert. Spec. Nov. Regni Veg. Beih. 43: 347. 1927

Trees or shrubs, 3–30 m tall; stem glabrous, lepidote-peltate, densely on new branch, bronze. Petioles angular to sub(terete), 4–15 cm long, bronze lepidotod-peltated. Blades coriaceous, elliptic, oblong to ovate 4–11 × 1–6 cm, base rounded, cuneate, obtuse, rounded, apex emarginated to apiculate, bronze lepidote-peltate beneath and glabrous above; with 6–8 pairs of secondary veins. Inflorescences axillar or terminal, corymbose racemes with 8–12 flowers; rachis angular, ventrally canaliculated and densely lepidote-peltate. Pedicels 5–10 mm long, smooth or densely lepidote-peltate. Sepals valvate, oblong to ellipsoidal 4–6 × 2–4 mm, apex acute to obtuse, stellate outside and lepidote-peltate inside. Floral nectaries, scales deltoid and glabrous. Petals white to purple, oblong to elliptic 5–7 × 4–6 mm, apex acute, middle line of lepidote-peltate trichomes outside and glabrous inside. Stamens 15–40, filament slightly exsert, 4–9 mm long, short pilose at the base; anthers dorsifixed of 2 mm long. Gynophore not developed, pistil short, insert, densely lepidote-peltate throughout; ovary cylindric 3–6 × 2–4 mm, densely peltate throughout; stigma sessile and capitated. Fruits capsular, bacciform, torulous, oblong to cylindric 2–2 × 1–2 cm, exocarp lepidote; seeds 2–11, ovoid and arranged in two rows.

Selected specimens examined: COLOMBIA. ARCIPIÉLAGO DE SAN ANDRÉS, PROVIDENCIA Y SANTA CATALINA: Isla de Providencia, III.1977, J. Freeman 12 (COL, MEDEL, UTMC). CESAR: Chimichagua, 9°15'15.8"N, 75°48'47"W, 03.III.2007, N. Jiménez 018 (COL). SANTANDER: Girón, Tigreros-Cruces, 7°5'21.84"N, 3°10'44.03"W, 31.V.2015, H. David 4923 (CDMB). VALLE DEL CAUCA: Buenaventura, Bajo Calima, Estación de Silvicultura San Isidro, XI.1987, C. Barbosa 73 (FMB).

Distributed in Central America, the Antilles, Colombia and Venezuela. Found in tropical dry forest, and less common in wet forest (Fig. 3b).

10. Steriphoma Spreng.

Small trees or shrubs with stem stellate. Leaves simple, alternate, arranged spirally, petioles angular to terete, unequal length, densely stellate throughout, pulvinus at the both sides. Blades membranaceous to papyraceous, stellate beneath and glabrous above, base acute, such as apex, and margin entire. Flowers zygomorphic and hermaphroditic, erect, subtended by a linear stellate, deciduous bracts, when fall, remains at the base in the form of a triangular bract. Pedicels angular, ventrally canaliculated. Petals valvate, Floral nectaries, epispals glands. Stamens erect such as gynophore. Fruits capsular, and torulous.
Identification key to the species of Steriphoma

1. Small trees, blades of base obtuse or acute, rachis no ventrally canalculated................................. 2

2. Blades of margin revolute, inflorescences with less of 39 flowers, and flowers with pedicel 10–15 mm long .............................................................. 10.1. Steriphoma colombianum

2’. Blades of margin entire, inflorescences with more than 41 flowers, and flowers with pedicel 30–50 mm long .............................................................. 10.3. Steriphoma paradoxum

1’. Climbing, blades of base truncate to cordate ventrally canalculated................................................. 10.2. Steriphoma menispermifolium

10.1. Steriphoma colombianum Dugand. Caldasia 3(12): 149. 1944.

Small trees or shrub, 3 m tall; stem glabrous or stellate on new branch. Petioles 2–6 cm long. Blades papyraceous or coriaceous, ovate-lanceolate 10–15 × 3.3–5 cm, base attenuate to rounded, apex acuminate, margin revolute, stellate-tomentosus beneath and glabrous above; with 8–10 pairs of lateral nerves. Inflorescences terminal, racemes with 40 flowers; rachis terete, densely stellate tomentosus, bronze. Pedicels 10–25 mm long, densely covered for bright orange trichomes. Sepals 13 mm long, fused, forming a hypanthium, 3–4 lobes triangular to deltoid 6 × 2 mm, apex acute to obtuse, outside densely covered for bright orange stellate trichomes, glabrous inside. Floral nectaries, scales deltoid and glabrous. Petals valvate, yellow, oblong to ob lanceolate 18 × 4 mm, apex acute, stellate outside and glabrous inside. Stamens 6, filament very exsert 70–80 mm long, curved, glabrous; anthers basifixed of 7–8 mm long. Gynophore very exsert of 80–90 mm long, densely stellate at the base; ovary oblong-cylindric 12–20 × 2 mm, stellate and pink; stigma sessile, discoid and capitated. Fruits berry, torulous 7–20 × 2–4 cm, exocarp smooth; seeds 13–16, oblong - elliptic.

Selected specimens examined: COLOMBIA. CUNDINAMARCA: Quebrada Camargo, North of Apulo, 480 m, 4°30’40.70”N, 74°35’12.23”W, 05.V.1944, E.P. Killip 38238 (COL), TOLIMA: Melgar, vereda La Primavera, Reserva Natural La Victoria, 4°14’21.6”N, 74°35’55.3”W, 20.VI.2015, N. Marín 1931 (COL).

Endemic of Colombia. It is found in tropical dry forest of inter Andean valley of river Sogamoso (Santander) (Fig. 3c).

10.2. Steriphoma menispermifolium Cornejo & Mercado-Gómez., Revista Cient. Cien. Nat. Ambien. 10(1): 1, f. 1. 2016.

Climbing to 3 m long; stem glabrous or stellate on new branch. Petioles 3–6 cm long. Blades membranaceous to papyraceous, ovate-lanceolate 5–12 × 3–5 cm, base truncate to strongly cordate, apex acute to acuminate, margin entire, stellate tomentosus beneath and short pilose above; with 5–7 pairs of secondary veins. Inflorescences terminal, racemes with 40 flowers; rachis (sub) terete to slightly canalculated, densely stellate tomentosus, brown. Pedicels 25–50 mm long, sub-erect, densely covered for trichomes bright orange. Sepals 20–23 mm long fused forming a hypanthium, 3–4 lobes triangular to deltoid 8–9 × 1–4 mm, apex acute to obtuse, densely covered by stellate trichomes bright orange outside and glabrous inside. Floral nectaries, scales deltoid and glabrous. Petals yellow, oblong 24 × 6 mm, apex acute, stellate outside and glabrous inside. Stamens 6, filament 55–70 mm long, very exsert, curved, glabrous; anthers basifixed of 2–4 mm long. Gynophore 60–95 mm long, very exsert, densely stellate at the base; ovary oblong-cylindric 12–20 × 2 mm, stellate and pink; stigma sessile, discoid and capitated.

Selected specimens examined: COLOMBIA. SANTANDER: Girón, vereda Marta, 7°08’10.9”N, 73°22’12.9”W, VI.2013, J. Castro 275 (HUA).

Endemic of Colombia. It is found in tropical dry forest of inter Andean valley of river Sogamoso (Santander) (Fig. 3c).

10.3. Steriphoma paradoxum (Jacq.) Endl., Flora 15(2): 396. 1832. Capparis paradoxa Jacq., Pl. Hort. Schoenbr. 1: 58, t. 111. 1797. Roemeria paradoxa (Jacq.) Tratt., Gen. Pl. 88. 1802. Stephania cleomoides Willd., Sp. Pl. 2(1): 239. 1799. Steriphoma cleomoides Spreng., Syst. Veg. [Sprengel] 4(2): 139. 1827. Steriphoma paradoxaum fo. venezuelanum (Briq.) Steyerm., Fieldiana, Bot. 28(1): 239. 1951. Steriphoma paradoxum subsp. venezuelanum (Briq.) Cornejo., Anales Jard. Bot. Madrid 63(2): 251. 2006. Steriphoma venezuelanum Briq., Annuaire Conserv. Jard. Bot. Genève 17: 394-395. 1911–1913.

Small trees or shrubs to 3 m tall; stem glabrous or stellate on new branch. Petioles 3.5–11 cm long. Blades membranaceous to
Synopsis of Capparaceae

Bernal RS, Gradstein R & Celis M (2016) Capítulos Bentham G & Hooker J (1862) Genera Plantarum. Aguirre De la Hoz AC & Zapata TR (2017) Capparaceae for the financial support of his doctoral studies. COLCIENCIAS and “Universidad de SUCRE”

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