

# *Compsonaura* (A.DC.) Warb.

Sylvia Mota de Oliveira

Museu de História Natural de Leiden; sylvia.motadeoliveira@naturalis.nl

This treatment is composed of the following taxa: *Compsonaura*, *Compsonaura capitellata*, *Compsonaura debilis*, *Compsonaura racemosa*, *Compsonaura sprucei*, *Compsonaura ulei*.

## HOW TO CITE

Oliveira, S.M. 2020. *Compsonaura* in **Flora do Brasil 2020**. Jardim Botânico do Rio de Janeiro. Available at: <http://floradobrasil.jbrj.gov.br/reflora/floradobrasil/FB23940>.

## DESCRIPTION

**Trees** up to 30 m, dioecious. **Exudate** red, often watery. **Leaves** simple, entire, alternate, distichous or not, with canaliculate petiole; **leaf blade** papery to coriaceous, glabrous or pubescent mostly along the main vein; **hairs** dendritic; **primary vein** raised on adaxial surface, secondary veins anastomosing, often very close to the margin, or free, tertiary veins conspicuous, parallel, connecting the secondary veins; **margin** entire. **Inflorescences** axillary, branching at the node into 1-2(-3) main branches to form partial inflorescences; each partial inflorescence a raceme or a fasciculate raceme, glabrous or pubescent; **bracts** absent, or present in female inflorescences, truncate. **Flower** pedicellate, unisexual, actinomorphic; **tepals** 3, green, yellow or white; **bracteole** absent or inconspicuous, or only present in pistillate flowers. **Staminate flowers** 3(-5) lobed, inner surface smooth, puberulent or woolly; **stamens** 3-11, filaments fused to a column; **anthers** narrowly elliptic, free or fused at the base, often recurved or dorsally adnate to a fleshy connective mass. **Pistillate flowers** 3-lobed; **ovary** glabrous or pubescent; **stigma** sessile, 2 lipped. **Fruit** globose or ovoid, 2-valved, smooth or less often keeled. **Seed** 1, ovoid to ellipsoid, either smooth and mottled or rugose and not mottled, covered by an aril; **aril** red, yellow or white, entire or lacinate, rarely absent.

## COMMENTS

Ongoing study, to be improved with complete descriptions in English and Portuguese and annotated collections from Reflora.

### Life Form

Shrub, Tree

### Substrate

Terrestrial

## DISTRIBUTION

Native, Not endemic to Brazil

### Phytogeographic Domains

Amazon Rainforest

### Vegetation Types

Amazonian Campinarana, Terra Firme Forest

### Geographic Distribution

Confirmed occurrences

North (Acre, Amazonas, Amapá, Pará, Rondônia, Roraima)

Northeast (Maranhão)

Central-west (Mato Grosso)

## IDENTIFICATION KEY

1. Leaf apex obtuse; inflorescences very short, as clusters of multiple flowers, up to 1.5 cm..... ..C. debilis
1. Leaf apex acute to acuminate; inflorescences longer..... .. 2
2. Inflorescences racemose fasciculate with solitary or very few flowers (up to 3-4) per fascicle..... 3
2. Inflorescences racemose fasciculate with more than 5 flowers per fascicle..... 4
3. Shrub or small tree; leaves elliptic; fascicles sessile; anthers free..... C. racemosa
3. Tree; leaves oblong-elliptic; fascicles pedunculate; anthers dorsally adnate to connective mass..... C. ulei
4. Leaves chartaceous to coriaceous; flower and ovary glabrous..... C. sprucei
4. Leaves chartaceous; flower and ovary pubescent..... C. capitellata

# *Compsonaura capitellata* (A.DC.) Warb.

## Has as synonym

basionym *Myristica capitellata* A.DC.

homotype *Myristica capitellata* Poepp.

## DESCRIPTION

**Leaf:** texture coriaceous; **shape** elliptic/oblong; **apex** cuspidate or short acuminate; **base** acute attenuate. **Inflorescence:** **staminate flower** more than 4 per fascicle. **Flower:** **ovary** pubescent. **Fruit:** **length** more than 4 cm; **indumentum** pubescent.

## Life Form

Tree

## Substrate

Terrestrial

## DISTRIBUTION

Native, Not endemic to Brazil

## Phytogeographic Domains

Amazon Rainforest

## Vegetation Types

Terra Firme Forest


## Geographic Distribution


### Confirmed occurrences

North (Amazonas)

## HERBARIUM MATERIAL

Poeppig, 1971, P (P00137116), **Typus**

A. Ducke, s.n., RB, 23693,  (RB00226686)

A. Ducke, s.n., RB, 19576,  (RB00226683)

## REFERENCE

Nov. Act. Nat. Cur. 68: (1897) 146

Brittonia 2(5): 411-412. 1937

# *Compsonaura debilis* (Spruce ex A.DC.) Warb.

## Has as synonym

basionym *Myristica debilis* Spruce ex A.DC.

## DESCRIPTION

**Leaf:** texture coriaceous; **shape** elliptic/oblong; **apex** obtuse or rounded; **base** attenuate. **Inflorescence:** staminate flower more than 4 per fascicle. **Flower:** ovary glabrous. **Fruit:** length less than 4 cm; **indumentum** glabrous.

## Life Form

Shrub, Tree

## Substrate

Terrestrial

## DISTRIBUTION

Native, Not endemic to Brazil

## Phytogeographic Domains

Amazon Rainforest

## Vegetation Types





Amazonian Campinarana, Terra Firme Forest

## Geographic Distribution

### Confirmed occurrences

North (Amazonas)

## HERBARIUM MATERIAL

R. Spruce, 2468, GH,  (GH00039822), K,  (K000575075), K,  (K000575076), NY,  (NY00066852), P (P00625854), P (P00625855), C, M, Amazonas, **Typus**

## REFERENCE

Nov. Act. Nat. Cur. 68: (1897) 144lxviii. (1897) 144

# *Compsonaura racemosa* Ducke

## DESCRIPTION

**Leaf:** texture chartaceous; **shape** narrowly elliptic; **apex** acuminate; **base** attenuate. **Inflorescence:** **staminate flower** single or 2 per fascicle. **Flower:** **ovary** glabrous. **Fruit:** **length** less than 4 cm; **indumentum** glabrous.

### Life Form

Shrub, Tree

### Substrate

Terrestrial

## DISTRIBUTION

Native, Is endemic from Brazil

### Phytogeographic Domains

Amazon Rainforest

### Vegetation Types

Terra Firme Forest

### Geographic Distribution

#### Confirmed occurrences

North (Amazonas)

## HERBARIUM MATERIAL

R.L. Fróes, 20818, K, RB

A. Ducke, 19575, K, RB

B.A. Krukoff, 8754, K, RB

## REFERENCE

Notizbl. Bot. Gart. Berlin 11: 582 (1932). 11: 582.1932.

# *Compsonaura sprucei* (A.DC.) Warb.

## Has as synonym

basionym *Myristica sprucei* A.DC.

## DESCRIPTION

**Leaf:** texture coriaceous/chartaceous; **shape** elliptic/oblong; **apex** cuspidate or short acuminate/acuminate; **base** acute attenuate. **Inflorescence:** **staminate flower** more than 4 per fascicle. **Flower:** **ovary** glabrous. **Fruit:** **length** less than 4 cm; **indumentum** glabrous.

## Life Form

Shrub, Tree

## Substrate

Terrestrial

## DISTRIBUTION

Native, Not endemic to Brazil

## Phytogeographic Domains

Amazon Rainforest

## Vegetation Types




Terra Firme Forest

## Geographic Distribution

### Confirmed occurrences

North (Acre, Amazonas)

## HERBARIUM MATERIAL

R. Spruce, 2361, G, NY,  (NY00066862), K,  (K000575080), P (P00625856), P (P00625857), K,  (K000575081), **Typus**  
A. Rosas Jr., 271, G, K, NY, P  
C. Ferreira, 8834, G, K, NY, P

## REFERENCE

Nov. Act. Nat. Cur. 68: 143. 1897

# *Compsonaura ulei* Warb.

## DESCRIPTION

**Leaf:** texture chartaceous; **shape** elliptic/oblong; **apex** cuspidate or short acuminate; **base** attenuate. **Inflorescence:** staminate **flower** single or 2 per fascicle. **Flower:** ovary glabrous. **Fruit:** length less than 4 cm; **indumentum** glabrous.

## Life Form

Shrub, Tree

## Substrate

Terrestrial

## DISTRIBUTION

Native, Not endemic to Brazil

## Phytogeographic Domains

Amazon Rainforest

## Vegetation Types

Terra Firme Forest

## Geographic Distribution

### Confirmed occurrences

North (Acre, Amazonas, Amapá, Pará, Rondônia, Roraima)

Northeast (Maranhão)

Central-west (Mato Grosso)

## HERBARIUM MATERIAL

W.A. Rodrigues, 8070, NY

Ule, E., 5336, K,  (K000575083), RB, 23585,  (RB00541789), RB, 23585,  (RB00557072), **Typus**

C. Ferreira, 9590, NY

## REFERENCE

Verh. Bot. Ver. Brand. 47: (1905) 136. 47. (1905) 136.