

Oleandraceae Ching ex Pic.Serm.

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This treatment is composed of the following taxa: Oleandraceae, *Oleandra*.

HOW TO CITE

Schwartzburd, P.B. 2020. Oleandraceae in **Flora do Brasil 2020**. Jardim Botânico do Rio de Janeiro. Available at: <http://floradobrasil.jbrj.gov.br/reflora/floradobrasil/FB91515>.

DESCRIPTION

The content of this field was omitted due to formatting problems, please consult our page directly (<http://floradobrasil.jbrj.gov.br/>).

Life Form

Herb, Liana/scandent/vine

Substrate

Epiphytic, Rupicolous

DISTRIBUTION

Native, Not endemic to Brazil

Phytogeographic Domains

Amazon Rainforest, Central Brazilian Savanna, Atlantic Rainforest

Vegetation Types

Inundated Forest (Igapó), Terra Firme Forest, Inundated Forest (Várzea), Seasonally Semideciduous Forest, Ombrophylous Forest (Tropical Rain Forest)

Geographic Distribution

Confirmed occurrences

North (Amazonas, Pará, Roraima)

Northeast (Bahia, Ceará)

Central-west (Mato Grosso)

Southeast (Espírito Santo, Minas Gerais, Rio de Janeiro, São Paulo)

South (Paraná)

Possible occurrences

North (Amapá, Pará, Rondônia)

South (Santa Catarina)

REFERENCE

- Hovenkamp, P. and B.-C. Ho. 2012. A revision of the fern genus *Oleandra* (Oleandraceae) in Asia. *Phytokeys* 11:1–37.
- Kramer, K. U. 1990. Oleandraceae. Pp. 190–193, in K. U. Kramer and P. S. Green (eds.). Vol. I Pteridophytes and Gymnosperms. In K. Kubitzki (ed.). *The families and genera of vascular plants*. Springer-Verlag, Berlin.
- Maxon, W. R. 1914. The American species of *Oleandra*. *Contr. U. S. Natl. Herb.* 17:392–398.
- Tryon, R. M. 1997. Systematic notes on *Oleandra*. *Rhodora* 99(900):335–343.
- Tryon, R. M. 2000. Systematic notes on the Old World fern genus *Oleandra*. *Rhodora* 102(912):428–438.

Tryon, R. M. and A. F. Tryon. 1982. *Ferns and allied plants, with special reference to Tropical America*. Springer-Verlag, New York.

Oleandra Cav.

This treatment is composed of the following taxa: *Oleandra*, *Oleandra articulata*, *Oleandra australis*, *Oleandra baetae*, *Oleandra brasiliiana*, *Oleandra hirta*, *Oleandra pilosa*, *Oleandra quartziticola*.

HOW TO CITE

Schwartzburd, P.B. Oleandraceae in **Flora do Brasil 2020**. Jardim Botânico do Rio de Janeiro. Available at: <http://floradobrasil.jbrj.gov.br/reflora/floradobrasil/FB91516>.

DESCRIPTION

The content of this field was omitted due to formatting problems, please consult our page directly (<http://floradobrasil.jbrj.gov.br/>).

Life Form

Herb, Liana/scandent/vine

Substrate

Epiphytic, Rupicolous

DISTRIBUTION

Native, Not endemic to Brazil

Phytogeographic Domains

Amazon Rainforest, Central Brazilian Savanna, Atlantic Rainforest

Vegetation Types

Inundated Forest (Igapó), Terra Firme Forest, Inundated Forest (Várzea), Seasonally Semideciduous Forest, Ombrophylous Forest (Tropical Rain Forest)

Geographic Distribution

Confirmed occurrences

North (Amazonas, Pará, Roraima)

Northeast (Bahia, Ceará)

Central-west (Mato Grosso)

Southeast (Espírito Santo, Minas Gerais, Rio de Janeiro, São Paulo)

South (Paraná)

Possible occurrences

North (Amapá, Pará, Rondônia)

South (Santa Catarina)

IDENTIFICATION KEY

1. Rhizome scales appressed . *Oleandra pilosa*
1. Rhizome scales spreading . 2
2. Laminae linear; veins partly anastomosing . *Oleandra hirta*
2. Laminae elliptical or obovate; veins free . 3
3. Midribs scaly . *Oleandra articulata*
3. Midribs glabrescent or pubescent . 4
4. Midribs glabrescent or appearing glabrous . *Oleandra brasiliiana*
4. Midribs pubescent . 5
5. Rhizome scales bicolorous at base (darker only at the attachment point, orange in the remaining parts); laminar tissue between the veins abaxially pubescent . *Oleandra baetae*
5. Rhizome scales entirely bicolorous (centrally blackish, orange at the margins); laminar tissue between the veins abaxially glabrous

6. Laminar tissue between the veins adaxially glabrous . . *Oleandra australis*
6. Laminar tissue between the veins adaxially pubescent . . *Oleandra quartziticola*

REFERENCE

- Hovenkamp, P. and B.-C. Ho. 2012. A revision of the fern genus *Oleandra* (Oleandraceae) in Asia. *Phytokeys* 11:1–37.
- Kramer, K. U. 1990. Oleandraceae. Pp. 190–193, in K. U. Kramer and P. S. Green (eds.). Vol. I Pteridophytes and Gymnosperms. In K. Kubitzki (ed.). *The families and genera of vascular plants*. Springer-Verlag, Berlin.
- Maxon, W. R. 1914. The American species of *Oleandra*. *Contr. U. S. Natl. Herb.* 17:392–398.
- Schwartzburd, P. B., C. V. Miranda, and J. Prado. 2016. *Oleandra* (Oleandraceae) in the Brazilian Atlantic Forest. *Amer. Fern J.* 106(3): 191-205.
- Sylvestre, L. S. 2010. Oleandraceae. P. 546, in R. C. Forzza *et al.* (orgs.), *Lista de espécies da flora do Brasil*. Jardim Botânico do Rio de Janeiro, Rio de Janeiro, vol. 1.
- Tryon, R. M. 1997. Systematic notes on *Oleandra*. *Rhodora* 99(900):335–343.
- Tryon, R. M. 2000. Systematic notes on the Old World fern genus *Oleandra*. *Rhodora* 102(912):428–438.
- Tryon, R. M. and A. F. Tryon. 1982. *Ferns and allied plants, with special reference to Tropical America*. Springer-Verlag, New York.

Oleandra articulata (Sw.) C.Presl

Has as synonym

basionym *Aspidium articulatum* Sw.

heterotypic *Oleandra nodosa* C. Prest

heterotypic *Polypodium articulatum* (Sw.) Poir.

DESCRIPTION

Stem: scale monochromatic/spread/ciliate; **exsudate** absent. **Leaf:** apex blade awned; base blade cuneate; costa glabrate/squamose; blade obovate; margin blade glabrate; veins abaxial glabrate/free; petiole long; tissue laminar abaxial glabrous. **Type of sporangium:** indusium glabrous/monochromatic.

Life Form

Liana/scandent/vine

Substrate

Epiphytic, Rupicolous

DISTRIBUTION

Native, Not endemic to Brazil

Phytogeographic Domains

Amazon Rainforest

Vegetation Types

Terra Firme Forest, Ombrophyllous Forest (Tropical Rain Forest)

Geographic Distribution

Confirmed occurrences

North (Amazonas, Pará, Roraima)

Central-west (Mato Grosso)

Possible occurrences

North (Rondônia)

HERBARIUM MATERIAL

J. Prado, 610, SP, RB, MBM, Amazonas

Arévalo, M.F., 802, INPA, SP, Amazonas

Oleandra australis Schwartsb. & J. Prado

DESCRIPTION

Stem: scale bicolor/spread/ciliate; **exsudate** absent. **Leaf:** apex blade awned; base blade cuneate; costa pilose/glandulose; blade elliptic; margin blade pilose/glandulose; veins abaxial glabrescent; petiole short; tissue laminar abaxial glabrous. **Type of sporangium:** indusium glabrous/bicolor.

Life Form

Liana/scandent/vine

Substrate

Epiphytic

DISTRIBUTION

Native, Is endemic from Brazil

Phytogeographic Domains

Atlantic Rainforest

Vegetation Types

Ombrophyllous Forest (Tropical Rain Forest)

Geographic Distribution

Confirmed occurrences

South (Paraná)

Possible occurrences

South (Santa Catarina)

HERBARIUM MATERIAL

P.H. Labiak, 3941, VIC, UPCB, MBM, NY, SP, Paraná, **Typus**

Oleandra baetae Damazio

Has as synonym

heterotypic *Oleandra nodosa* var. *magalhaesii* Christ

DESCRIPTION

Stem: scale monochromatic/spread/ciliate; **exsudate** pruinose. **Leaf:** **apex blade** acuminate; **base blade** inequilateral; **costa** pilose/glandulose; **blade** elliptic; **margin blade** pilose/glandulose; **veins abaxial** pilose/glandulose/free; **petiole** short; **tissue laminar abaxial** pilose/glandulose. **Type of sporangium:** **indusium** glandulose/monochromatic.

Life Form

Herb, Liana/scandent/vine

Substrate

Rupicolous

DISTRIBUTION

Native, Is endemic from Brazil

Phytogeographic Domains

Atlantic Rainforest

Vegetation Types

Seasonally Semideciduous Forest

Geographic Distribution

Confirmed occurrences

Southeast (Minas Gerais)

HERBARIUM MATERIAL

A.C. Brade, 20465, RB, Minas Gerais

A.Baeta, 258, OUPR, Minas Gerais, **Typus**

P.B. Schwartsburd, 3515, VIC, SP, Minas Gerais

Oleandra brasiliiana Schwartsb & J. Prado

DESCRIPTION

Stem: scale bicolor/spread/ciliate; **exsudate** absent. **Leaf:** apex blade awned; base blade cuneate; costa glabrescent; blade obovate; margin blade glabrescent; veins abaxial glabrate; petiole long; tissue laminar abaxial glabrous. **Type of sporangium:** indusium glabrous/monochromatic.

Life Form

Liana/scandent/vine

Substrate

Epiphytic, Rupicolous

DISTRIBUTION

Native, Is endemic from Brazil

Phytogeographic Domains

Atlantic Rainforest

Vegetation Types

Seasonally Semideciduous Forest, Ombrophyllous Forest (Tropical Rain Forest)

Geographic Distribution

Confirmed occurrences

Northeast (Bahia, Ceará)

Southeast (Espírito Santo, Minas Gerais, Rio de Janeiro, São Paulo)

HERBARIUM MATERIAL

Schwartsburd, P.B., 2516, EAC, NY, SP, VIC, Ceará

P.H. Labiak, 3652, UPCB, NY, SP, Bahia, **Typus**

A.C. Brade, 8402, RB, MBM, São Paulo

Oleandra hirta Brack.

Has as synonym

homotype *Oleandra neriformis* var. *hirta* (Brack.) Baker

DESCRIPTION

Stem: scale spread; **exsudate** pruinose. **Leaf:** **apex blade** acuminate; **base blade** attenuate; **costa** pilose/squamose; **blade** linear; **margin blade** pilose; **veins abaxial** pilose/anastomosing; **petiole** long; **tissue laminar abaxial** pilose. **Type of sporangium:** **indusium** pilose/monochromatic.

Life Form

Liana/scandent/vine

Substrate

Epiphytic, Rupicolous

DISTRIBUTION

Native, Is endemic from Brazil

Phytogeographic Domains

Atlantic Rainforest

Vegetation Types

Ombrophyllous Forest (Tropical Rain Forest)

Geographic Distribution

Confirmed occurrences

Southeast (Rio de Janeiro)

HERBARIUM MATERIAL

Capt. Wilkes, s.n., US, K, Rio de Janeiro, **Typus**

Oleandra pilosa Hook.

Has as synonym

homotype *Oleandra neriformis* var. *pilosa* (Hook.) Baker

DESCRIPTION

Stem: scale monochromatic/appressed; **exsudate** absent. **Leaf:** **apex blade** acuminate; **base blade** attenuate; **costa** pilose; **blade** elliptic; **margin blade** pilose; **veins abaxial** free; **petiole** short; **tissue laminar abaxial** glabrous. **Type of sporangium:** **indusium** pilose.

Life Form

Herb, Liana/scandent/vine

Substrate

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Phytogeographic Domains

Amazon Rainforest, Central Brazilian Savanna

Vegetation Types

Inundated Forest (Igapó), Terra Firme Forest, Inundated Forest (Várzea)

Geographic Distribution

Confirmed occurrences

North (Amazonas, Roraima)

Central-west (Mato Grosso)


Possible occurrences

North (Amapá, Pará)

HERBARIUM MATERIAL

Arévalo, M.F., 823, INPA, SP, Amazonas

N.A. Rosa, 1979, NY, INPA,  (NY00908708), Mato Grosso

G.T. Prance, 4422, INPA, 20055,  (INPA0020055), Roraima

Oleandra quartziticola Schwartsb. & J. Prado

DESCRIPTION

Stem: scale bicolor/spread/ciliate; **exsudate** absent. **Leaf:** apex blade awned; base blade cuneate; costa pilose/glandulose; blade elliptic; margin blade pilose/glandulose; veins abaxial pilose/glandulose; petiole long; tissue laminar abaxial glabrous. **Type of sporangium:** indusium glabrous/bicolor.

Life Form

Liana/scandent/vine

Substrate

Rupicolous

DISTRIBUTION

Native, Is endemic from Brazil

Phytogeographic Domains

Atlantic Rainforest

Vegetation Types

Seasonally Semideciduous Forest

Geographic Distribution

Confirmed occurrences

Southeast (Espírito Santo)

HERBARIUM MATERIAL

Schwartsburd, P.B., 3522, VIC, UPCB, UC, RB, NY, FI, SP, Espírito Santo, **Typus**