

Santa Catarina Lachatao, Oaxaca, Mexico

Orchidaceae of Santa Catarina Lachatao

1

Arelee Estefanía Muñoz Hernández¹, Dulce María Figueroa Castro¹, & Álvaro Campos Villanueva²

¹Benemérita Universidad Autónoma de Puebla & ²Universidad Nacional Autónoma de México, Estación de Biología Tropical Los Tuxtlas

Photos: Arelee Estefanía Muñoz Hernández [aemh9321@gmail.com], and Álvaro Campos Villanueva. Produced by the authors with the assistance of Rayane Ribeiro, Field Museum. Legend: T = terrestrial, E = epiphyte, R = rupicolous, * = species endemic to the State of Oaxaca (Soto-Arenas & Salazar 2004), ** = species endemic to Mexico (Encicloviva 2019), + = threatened species, ++ = species subject to special protection, according to NOM-059 (SEMARNAT 2010).



CC0. This work is dedicated to the public domain.

[fieldguides.fieldmuseum.org]

[1458] version 1 2/2022



1 *Alamania punicea*
subsp. *greenwoodiana*
(E, **)



2 *Alamania punicea*
subsp. *greenwoodiana*
(E, **)



3 *Anathallis oblanceolata*
(R, *, +)



4 *Anathallis oblanceolata*
(R, *, +)



5 *Anathallis oblanceolata*
(R, *, +)



6 *Arpophyllum spicatum*
(R, **)



7 *Arpophyllum spicatum*
(R, **)



8 *Artorima erubescens*
(E, **)



9 *Artorima erubescens*
(E, **)



10 *Aulosepalum pyramidale*
(T, **)



11 *Aulosepalum pyramidale*
(T, **)



12 *Barkeria melanocaulon*
(T, *, +)



13 *Barkeria melanocaulon*
(T, *, +)



14 *Bletia jucunda*
(T, **)



15 *Bletia lilacina*
(T, **)

Santa Catarina Lachatao, Oaxaca, Mexico

Orchidaceae of Santa Catarina Lachatao

2

Arelee Estefanía Muñoz Hernández¹, Dulce María Figueroa Castro¹, & Álvaro Campos Villanueva²

¹Benemérita Universidad Autónoma de Puebla & ²Universidad Nacional Autónoma de México, Estación de Biología Tropical Los Tuxtlas

Photos: Arelee Estefanía Muñoz Hernández [aemh9321@gmail.com], and Álvaro Campos Villanueva. Produced by the authors with the assistance of Rayane Ribeiro, Field Museum. Legend: T = terrestrial, E = epiphyte, R = rupicolous, * = species endemic to the State of Oaxaca (Soto-Arenas & Salazar 2004), ** = species endemic to Mexico (Enciclovida 2019), + = threatened species, ++ = species subject to special protection, according to NOM-059 (SEMARNAT 2010).



CC0. This work is dedicated to the public domain.

[fieldguides.fieldmuseum.org]

[1458] version 1 2/2022



16 *Bletia neglecta*
(T, **)



17 *Bletia purpurata*
(T)



18 *Bletia reflexa*
(T, **)



19 *Coelia macrostachya*
(R)



20 *Coelia macrostachya*
(R)



21 *Corallorhiza bulbosa*
(T, **)



22 *Corallorhiza bulbosa*
(T, **)



23 *Corallorhiza odontorhiza*
var. *pringlei*
(T)



24 *Corallorhiza odontorhiza*
var. *pringlei*
(T)



25 *Cranichis subumbellata*
(T, **)



26 *Cranichis subumbellata*
(T, **)



27 *Cranichis subumbellata*
(T, **)



28 *Cyclopogon* sp. 1
(T)



29 *Cyclopogon* sp. 1
(T)



30 *Cyclopogon* sp. 2

Santa Catarina Lachatao, Oaxaca, Mexico

Orchidaceae of Santa Catarina Lachatao

Arelee Estefanía Muñoz Hernández¹, Dulce María Figueroa Castro¹, & Álvaro Campos Villanueva²

¹Benemérita Universidad Autónoma de Puebla & ²Universidad Nacional Autónoma de Mexico, Estación de Biología Tropical Los Tuxtlas

Photos: Arelee Estefanía Muñoz Hernández [aemh9321@gmail.com], and Álvaro Campos Villanueva. Produced by the authors with the assistance of Rayane Ribeiro, Field Museum. Legend: T = terrestrial, E = epiphyte, R = rupicolous, * = species endemic to the State of Oaxaca (Soto-Arenas & Salazar 2004), ** = species endemic to Mexico (Encicloviva 2019), + = threatened species, ++ = species subject to special protection, according to NOM-059 (SEMARNAT 2010).



CC0. This work is dedicated to the public domain.

[fieldguides.fieldmuseum.org]

[1458] version 1 2/2022



31 *Cyclopogon* sp. 2



32 *Deiregyne eriophora*
(T, **)



33 *Deiregyne eriophora*
(T, **)



34 *Deiregyne pseudopyramidalis*
(T)



35 *Deiregyne pseudopyramidalis*
(T)



36 *Deiregyne rhombilabia*
(T, **)



37 *Dichaea glauca*
(T, **)



38 *Dichaea glauca*
(T, **)



39 *Dichromanthus aurantiacus*
(T, **)



40 *Dichromanthus aurantiacus*
(T, **)



41 *Dichromanthus aurantiacus*
(T, **)



42 *Dichromanthus cinnabarinus*
(T, **)



43 *Epidendrum costatum*
(E, *)



44 *Epidendrum costatum*
(E, *)



45 *Epidendrum juergensii*
(E, *)

Santa Catarina Lachatao, Oaxaca, Mexico

Orchidaceae of Santa Catarina Lachatao

Arelee Estefanía Muñoz Hernández¹, Dulce María Figueroa Castro¹, & Álvaro Campos Villanueva²

¹Benemérita Universidad Autónoma de Puebla & ²Universidad Nacional Autónoma de Mexico, Estación de Biología Tropical Los Tuxtlas

Photos: Arelee Estefanía Muñoz Hernández [aemh9321@gmail.com], and Álvaro Campos Villanueva. Produced by the authors with the assistance of Rayane Ribeiro, Field Museum. Legend: T = terrestrial, E = epiphyte, R = rupicolous, * = species endemic to the State of Oaxaca (Soto-Arenas & Salazar 2004), ** = species endemic to Mexico (Encicloviva 2019), + = threatened species, ++ = species subject to special protection, according to NOM-059 (SEMARNAT 2010).



CC0. This work is dedicated to the public domain.

[fieldguides.fieldmuseum.org]

[1458] version 1 2/2022



46 *Epidendrum lignosum*
(E, **)

47 *Epidendrum propinquum*
(R, **)

48 *Epidendrum propinquum*
(R, **)

49 *Epidendrum radioferens*
(E, **)

50 *Epidendrum radioferens*
(E, **)



51 *Epidendrum tortipetalum*
(E, **)

52 *Erycina hyalinobulbon*
(E, **)

53 *Erycina hyalinobulbon*
(E, **)

54 *Erycina hyalinobulbon*
(E, **)

55 *Funkielli nutantiflora*
(E)



56 *Funkiella parasitica*
(E)

57 *Galeoglossum tubulosum*
(T)

58 *Goodgyera striata*
(T)

59 *Goodgyera striata*
(T)

60 *Goodgyera striata*
(T)

Santa Catarina Lachatao, Oaxaca, Mexico

Orchidaceae of Santa Catarina Lachatao

Arelee Estefanía Muñoz Hernández¹, Dulce María Figueroa Castro¹, & Álvaro Campos Villanueva²

¹Benemérita Universidad Autónoma de Puebla & ²Universidad Nacional Autónoma de México, Estación de Biología Tropical Los Tuxtlas

Photos: Arelee Estefanía Muñoz Hernández [aemh9321@gmail.com], and Álvaro Campos Villanueva. Produced by the authors with the assistance of Rayane Ribeiro, Field Museum. Legend: T = terrestrial, E = epiphyte, R = rupicolous, * = species endemic to the State of Oaxaca (Soto-Arenas & Salazar 2004), ** = species endemic to Mexico (Encicloviva 2019), + = threatened species, ++ = species subject to special protection, according to NOM-059 (SEMARNAT 2010).



CC0. This work is dedicated to the public domain.

[fieldguides.fieldmuseum.org]

[1458] version 1 2/2022



61 *Govenia capitata*
(T, **)



62 *Govenia capitata*
(T, **)



63 *Govenia superba*
(T)



64 *Govenia superba*
(T)



65 *Greenwoodiella micrantha*
var. *micrantha*
(E)



66 *Habenaria* aff. *rosulifolia*
(T)



67 *Habenaria* aff. *rosulifolia*
(T)



68 *Habenaria ibarrae*
(T, **)



69 *Habenaria zamudioana*
(T, **)



70 *Hexalectrix grandiflora*
(T, **)



71 *Homalopetalum pachyphyllum*
(T, **)



72 *Isochilus oaxacanus*
(R, *)



73 *Isochilus oaxacanus*
(R, *)



74 *Laelia albida*
(E, **)



75 *Laelia albida*
(E, **)

Santa Catarina Lachatao, Oaxaca, Mexico

Orchidaceae of Santa Catarina Lachatao

6

Arelee Estefanía Muñoz Hernández¹, Dulce María Figueroa Castro¹, & Álvaro Campos Villanueva²

¹Benemérita Universidad Autónoma de Puebla & ²Universidad Nacional Autónoma de México, Estación de Biología Tropical Los Tuxtlas

Photos: Arelee Estefanía Muñoz Hernández [aemh9321@gmail.com], and Álvaro Campos Villanueva. Produced by the authors with the assistance of Rayane Ribeiro, Field Museum. Legend: T = terrestrial, E = epiphyte, R = rupicolous, * = species endemic to the State of Oaxaca (Soto-Arenas & Salazar 2004), ** = species endemic to Mexico (Encicloviva 2019), + = threatened species, ++ = species subject to special protection, according to NOM-059 (SEMARNAT 2010).



CC0. This work is dedicated to the public domain.

[fieldguides.fieldmuseum.org]

[1458] version 1 2/2022



76 *Laelia furfuracea*
(E, *, ++)



77 *Laelia furfuracea*
(E, *, ++)



78 *Malaxis elliptica*
(T, **)



79 *Malaxis elliptica*
(T, **)



80 *Malaxis soulei*
(T)



81 *Malaxis thlaspiiformis*
(T)



82 *Malaxis thlaspiiformis*
(T)



83 *Maxillaria cucullata*
(R)



84 *Maxillaria cucullata*
(R)



85 *Mesadenus polyanthus*
(T, **)



86 *Microepidendrum subulatifolium*
(E, **)



87 *Microepidendrum subulatifolium*
(E, **)



88 *Microepidendrum subulatifolium*
(E, **)



89 *Oncidium brachyandrum*
(E, **)



90 *Oncidium brachyandrum*
(E, **)

Santa Catarina Lachatao, Oaxaca, Mexico

Orchidaceae of Santa Catarina Lachatao

7

Arelee Estefanía Muñoz Hernández¹, Dulce María Figueroa Castro¹, & Álvaro Campos Villanueva²

¹Benemérita Universidad Autónoma de Puebla & ²Universidad Nacional Autónoma de México, Estación de Biología Tropical Los Tuxtlas

Photos: Arelee Estefanía Muñoz Hernández [aemh9321@gmail.com], and Álvaro Campos Villanueva. Produced by the authors with the assistance of Rayane Ribeiro, Field Museum. Legend: T = terrestrial, E = epiphyte, R = rupicolous, * = species endemic to the State of Oaxaca (Soto-Arenas & Salazar 2004), ** = species endemic to Mexico (Enciclopedia 2019), + = threatened species, ++ = species subject to special protection, according to NOM-059 (SEMARNAT 2010).



CC0. This work is dedicated to the public domain.

[fieldguides.fieldmuseum.org]

[1458] version 1 2/2022



91 *Oncidium geertianum*
(E)



92 *Oncidium graminifolium*
(T)



93 *Oncidium graminifolium*
(T)



94 *Oncidium reflexum*
(E, **, ++)



95 *Oncidium reflexum*
(E, **, ++)



96 *Platanthera brevifolia*
(T, **)



97 *Platanthera brevifolia*
(T, **)



98 *Platanthera brevifolia*
(T, **)



99 *Platanthera limosa*
(T, **)



100 *Platanthera limosa*
(T, **)



101 *Ponthieva mexicana*
(T, R)



102 *Ponthieva mexicana*
(T, R)



103 *Prosthechea hastata*
(E, **)



104 *Prosthechea karwinskii*
(E, **, ++)



105 *Prosthechea karwinskii*
(E, **, ++)

Santa Catarina Lachatao, Oaxaca, Mexico

Orchidaceae of Santa Catarina Lachatao

8

Arelee Estefanía Muñoz Hernández¹, Dulce María Figueroa Castro¹, & Álvaro Campos Villanueva²

¹Benemérita Universidad Autónoma de Puebla & ²Universidad Nacional Autónoma de México, Estación de Biología Tropical Los Tuxtlas

Photos: Arelee Estefanía Muñoz Hernández [aemh9321@gmail.com], and Álvaro Campos Villanueva. Produced by the authors with the assistance of Rayane Ribeiro, Field Museum. Legend: T = terrestrial, E = epiphyte, R = rupicolous, * = species endemic to the State of Oaxaca (Soto-Arenas & Salazar 2004), ** = species endemic to Mexico (Enciclopedia 2019), + = threatened species, ++ = species subject to special protection, according to NOM-059 (SEMARNAT 2010).



CC0. This work is dedicated to the public domain.

[fieldguides.fieldmuseum.org]

[1458] version 1 2/2022



106 *Prosthechea michuacana*
(E, **)



107 *Prosthechea michuacana*
(E, **)



108 *Prosthechea michuacana*
(E, **)



109 *Prosthechea pterocarpan*
(T, **)



110 *Prosthechea semiaperta*
(R, E, **)



110 *Prosthechea semiaperta*
(R, E, **)



112 *Prosthechea varicosa*
(T, E)



113 *Prosthechea varicosa*
(T, E)



114 *Rhynchostele aptera*
(E, **)



115 *Rhynchostele aptera*
(E, **)



116 *Rhynchostele cervantesii*
var. *membranacea*
(E, *, +)



117 *Rhynchostele cervantesii*
var. *membranacea*
(E, *, +)



118 *Rhynchostele maculata*
(E)



119 *Rhynchostele maculata*
(E)



120 *Sarcoglottis schaffneri*
(T, **)

Santa Catarina Lachatao, Oaxaca, Mexico

Orchidaceae of Santa Catarina Lachatao

Arelee Estefanía Muñoz Hernández¹, Dulce María Figueroa Castro¹, & Álvaro Campos Villanueva²

¹Benemérita Universidad Autónoma de Puebla & ²Universidad Nacional Autónoma de Mexico, Estación de Biología Tropical Los Tuxtlas

Photos: Arelee Estefanía Muñoz Hernández [aemh9321@gmail.com], and Álvaro Campos Villanueva. Produced by the authors with the assistance of Rayane Ribeiro, Field Museum. Legend: T = terrestrial, E = epiphyte, R = rupicolous, * = species endemic to the State of Oaxaca (Soto-Arenas & Salazar 2004), ** = species endemic to Mexico (Enciclovida 2019), + = threatened species, ++ = species subject to special protection, according to NOM-059 (SEMARNAT 2010).



CC0. This work is dedicated to the public domain.

[fieldguides.fieldmuseum.org]

[1458] version 1 2/2022



121 *Sarcoglottis schaffneri*
(T, **)

122 *Sarcoglottis schaffneri*
(T, **)

123 *Sarcoglottis schaffneri*
(T, **)

124 *Schiedella transversazi*
(R)

125 *Schiedella transversazi*
(R)



126 *Stelis emarginata*
(E, **)

127 *Stelis emarginata*
(E, **)

128 *Stelis sotoarenasii*
(R, **)

129 *Stelis sotoarenasii*
(R, **)

130 *Svenkoeltzia longestiflora*
(R)