

GESNERIACEAE of the Rio Anchicayá basin

Parque Nacional Natural Los Farallones de Cali (Valle del Cauca–Colombia)

1

Mathieu Perret¹, Alain Chautems¹, Gabriel E. Ferreira², Laura Clavijo³ & Alejandro Zuluaga³

¹Conservatoire et Jardin botaniques de la Ville de Genève, Switzerland, ²Instituto Nacional de Pesquisas da Amazônia, Manaus, Brasil, ³Universidad del Valle, Cali, Colombia

Photos by: M. Perret (MP), L. Clavijo (LC), A. Zuluaga (AZ), O.H. Marín (OHM), J.L. Clark (JLC).

© M. Perret [mathieu.perret@ville-ge.ch], A. Chautems [alain.chautems@ville-ge.ch], G. Ferreira [g.emiliano.ferreira@gmail.com], L. Clavijo [lauriclav@gmail.com] and A. Zuluaga [azuluagat@gmail.com]

[fieldguides.fieldmuseum.org] [922] version 2 3/2018



1 *Besleria pauciflora* MP



2 *Besleria pauciflora* MP



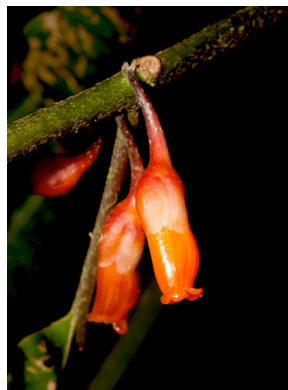
3 *Besleria pauciflora* MP



4 *Besleria reticulata* MP



5 *Besleria reticulata* MP



6 *Besleria* sp.1 AZ



7 *Besleria* sp.2 AZ



8 *Besleria* sp.2 AZ



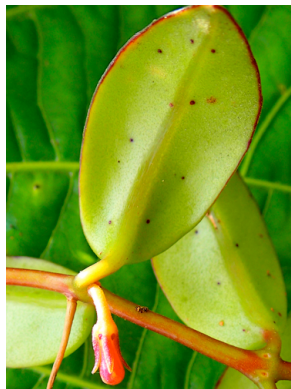
9 *Chrysothemis friedrichsthaliana* MP



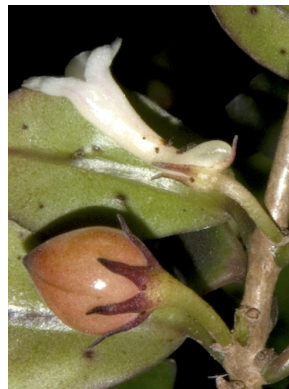
10 *Chrysothemis friedrichsthaliana* LC



11 *Codonanthispopsis crassifolia* MP



12 *Codonanthispopsis crassifolia* MP



13 *Codonanthispopsis crassifolia* JLC



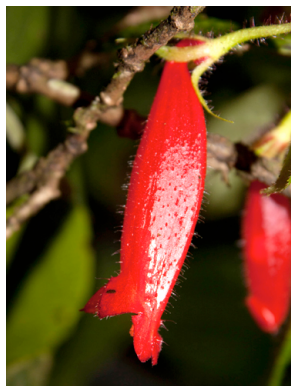
14 *Columnnea angustata* MP



15 *Columnnea angustata* MP



16 *Columnnea anisophylla* AZ



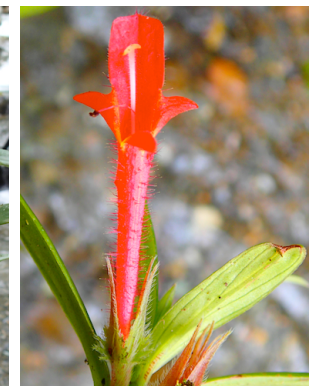
17 *Columnnea anisophylla* AZ



18 *Columnnea anisophylla* AZ



19 *Columnnea bilabiata* MP



20 *Columnnea bilabiata* MP

GESNERIACEAE of the Rio Anchicayá basin

Parque Nacional Natural Los Farallones de Cali (Valle del Cauca–Colombia)

2

Mathieu Perret¹, Alain Chautems¹, Gabriel E. Ferreira², Laura Clavijo³ & Alejandro Zuluaga³

¹Conservatoire et Jardin botaniques de la Ville de Genève, Switzerland, ²Instituto Nacional de Pesquisas da Amazônia, Manaus, Brasil, ³Universidad del Valle, Cali, Colombia

Photos by: M. Perret (MP), L. Clavijo (LC), A. Zuluaga (AZ), O.H. Marín (OHM), J.L. Clark (JLC).

© M. Perret [mathieu.perret@ville-ge.ch], A. Chautems [alain.chautems@ville-ge.ch], G. Ferreira [g.emiliano.ferreira@gmail.com], L. Clavijo [lauriclav@gmail.com] and A. Zuluaga [azuluaga@gmail.com]

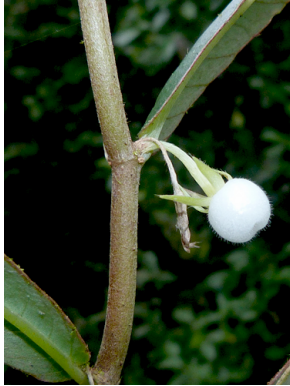
[fieldguides.fieldmuseum.org]

[922] version 2 3/2018



21 *Columnnea byrsina*

AZ



22 *Columnnea byrsina*

AZ



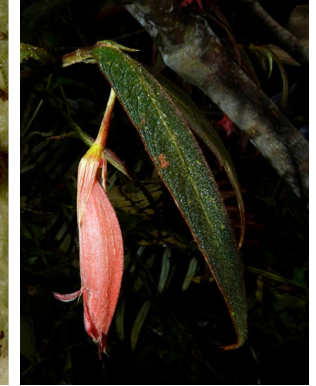
23 *Columnnea cuspidata*

LC



24 *Columnnea cuspidata*

AZ



25 *Columnnea dictyophylla*

AZ



26 *Columnnea dimidiata*

MP



27 *Columnnea dimidiata*

MP



28 *Columnnea fimbriatylx*

JLC



29 *Columnnea fimbriatylx*

JLC



30 *Columnnea fimbriatylx*

JLC



31 *Columnnea fuscihirta*

MP



32 *Columnnea fuscihirta*

OHM



33 *Columnnea gigantifolia*

LC



34 *Columnnea gigantifolia*

LC



35 *Columnnea kienastiana*

AZ



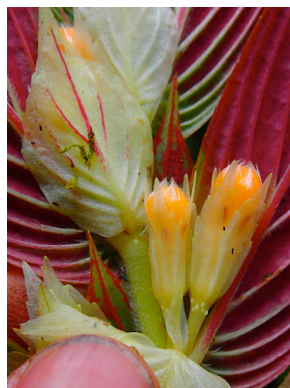
36 *Columnnea kienastiana*

AZ



37 *Columnnea longinervosa*

MP



38 *Columnnea longinervosa*

MP



39 *Columnnea longinervosa*

MP



40 *Columnnea minor*

MP

GESNERIACEAE of the Rio Anchicayá basin

Parque Nacional Natural Los Farallones de Cali (Valle del Cauca–Colombia)

3

Mathieu Perret¹, Alain Chautems¹, Gabriel E. Ferreira², Laura Clavijo³ & Alejandro Zuluaga³

¹Conservatoire et Jardin botaniques de la Ville de Genève, Switzerland, ²Instituto Nacional de Pesquisas da Amazônia, Manaus, Brasil, ³Universidad del Valle, Cali, Colombia

Photos by: M. Perret (MP), L. Clavijo (LC), A. Zuluaga (AZ), O.H. Marín (OHM), J.L. Clark (JLC).

© M. Perret [mathieu.perret@ville-ge.ch], A. Chautems [alain.chautems@ville-ge.ch], G. Ferreira [g.emiliano.ferreira@gmail.com], L. Clavijo [lauriclav@gmail.com] and A. Zuluaga [azuluagat@gmail.com]

[fieldguides.fieldmuseum.org]

[922] version 2 3/2018



41 *Columnnea minor* LC



42 *Columnnea minutiflora* OHM



43 *Columnnea minutiflora* OHM



44 *Columnnea parviflora* OHM



45 *Columnnea picta* MP



46 *Columnnea picta* MP



47 *Columnnea sulcata* OHM



48 *Columnnea sulcata* LC



49 *Cremosperma castroanum* LC



50 *Cremosperma nobile* JLC



51 *Cremosperma nobile* JLC



52 *Diastema affinis* MP



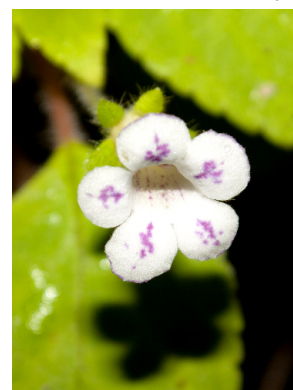
53 *Diastema affinis* MP



54 *Diastema affinis* AZ



55 *Diastema* sp. 1 MP



56 *Diastema* sp. 1 AZ



57 *Drymonia alloplectoides* MP



58 *Drymonia alloplectoides* MP



59 *Drymonia alloplectoides* MP



60 *Drymonia alloplectoides* LC

GESNERIACEAE of the Rio Anchicayá basin

Parque Nacional Natural Los Farallones de Cali (Valle del Cauca–Colombia)

4

Mathieu Perret¹, Alain Chautems¹, Gabriel E. Ferreira², Laura Clavijo³ & Alejandro Zuluaga³

¹Conservatoire et Jardin botaniques de la Ville de Genève, Switzerland, ²Instituto Nacional de Pesquisas da Amazônia, Manaus, Brasil, ³Universidad del Valle, Cali, Colombia

Photos by: M. Perret (MP), L. Clavijo (LC), A. Zuluaga (AZ), O.H. Marín (OHM), J.L. Clark (JLC).

© M. Perret [mathieu.perret@ville-ge.ch], A. Chautems [alain.chautems@ville-ge.ch], G. Ferreira [g.emiliano.ferreira@gmail.com], L. Clavijo [lauriclav@gmail.com] and A. Zuluaga [azuluaga@gmail.com]

[fieldguides.fieldmuseum.org] [922] version 2 3/2018



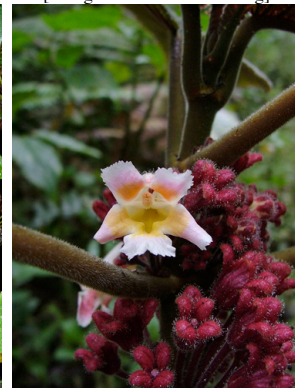
61 *Drymonia coriacea* LC



62 *Drymonia coriacea* LC



63 *Drymonia droseroides* AZ



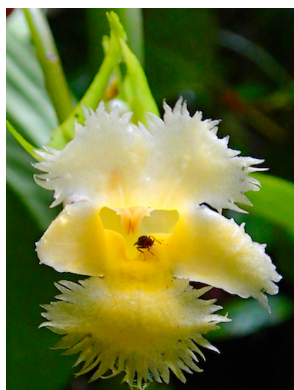
64 *Drymonia droseroides* LC



65 *Drymonia droseroides* AZ



66 *Drymonia lanceolata* MP



67 *Drymonia lanceolata* MP



68 *Drymonia macrophylla* LC



69 *Drymonia macrophylla* LC



70 *Drymonia serrulata* MP



71 *Drymonia serrulata* MP



72 *Drymonia serrulata* MP



73 *Drymonia teuscheri* MP



74 *Drymonia teuscheri* MP



75 *Drymonia turrilavae* MP



76 *Drymonia turrilavae* LC



77 *Drymonia turrilavae* JLC



78 *Drymonia variegata* MP



79 *Drymonia variegata* OHM



80 *Drymonia variegata* LC

GESNERIACEAE of the Rio Anchicayá basin

Parque Nacional Natural Los Farallones de Cali (Valle del Cauca–Colombia)

5

Mathieu Perret¹, Alain Chautems¹, Gabriel E. Ferreira², Laura Clavijo³ & Alejandro Zuluaga³

¹Conservatoire et Jardin botaniques de la Ville de Genève, Switzerland, ²Instituto Nacional de Pesquisas da Amazônia, Manaus, Brasil, ³Universidad del Valle, Cali, Colombia

Photos by: M. Perret (MP), L. Clavijo (LC), A. Zuluaga (AZ), O.H. Marín (OHM), J.L. Clark (JLC).

© M. Perret [mathieu.perret@ville-ge.ch], A. Chautems [alain.chautems@ville-ge.ch], G. Ferreira [g.emiliano.ferreira@gmail.com], L. Clavijo [lauriclav@gmail.com] and A. Zuluaga [azuluagat@gmail.com]

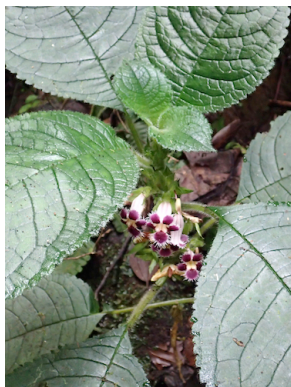
[fieldguides.fieldmuseum.org] [922] version 2 3/2018



81 *Drymonia warszewicziana* MP



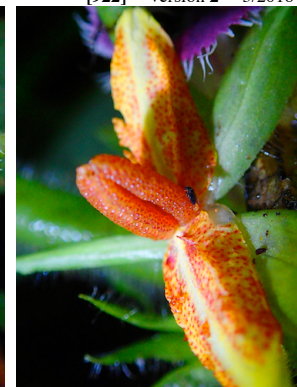
82 *Drymonia warszewicziana* MP



83 *Drymonia* sp. 1 MP



84 *Drymonia* sp. 1 MP



85 *Drymonia* sp. 1 MP



86 *Drymonia* sp. 2 AZ



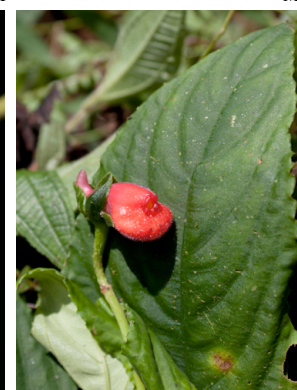
87 *Drymonia* sp. 2 AZ



88 *Gasteranthus wendlandianus* JLC



89 *Gasteranthus wendlandianus* AZ



90 *Gasteranthus* sp. MP



91 *Glossoloma panamense* MP



92 *Glossoloma panamense* MP



93 *Glossoloma schultzei* AZ



94 *Glossoloma schultzei* AZ



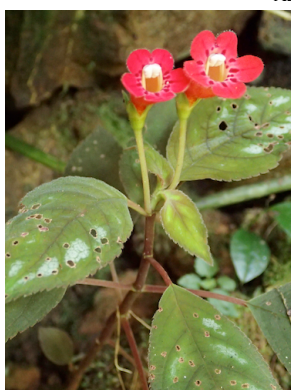
95 *Glossoloma schultzei* AZ



96 *Kohleria affinis* AZ



97 *Kohleria affinis* AZ



98 *Kohleria inaequalis* MP



99 *Kohleria inaequalis* MP



100 *Kohleria spicata* MP

GESNERIACEAE of the Rio Anchicayá basin

Parque Nacional Natural Los Farallones de Cali (Valle del Cauca–Colombia)

6

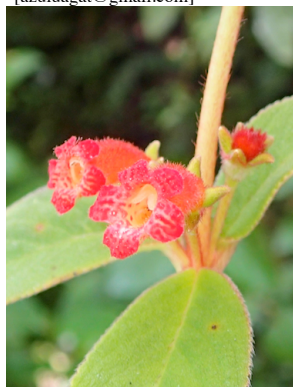
Mathieu Perret¹, Alain Chautems¹, Gabriel E. Ferreira², Laura Clavijo³ & Alejandro Zuluaga³

¹Conservatoire et Jardin botaniques de la Ville de Genève, Switzerland, ²Instituto Nacional de Pesquisas da Amazônia, Manaus, Brasil, ³Universidad del Valle, Cali, Colombia

Photos by: M. Perret (MP), L. Clavijo (LC) A. Zuluaga (AZ), O.H. Marín (OHM), J.L. Clark (JLC).

© M. Perret [mathieu.perret@ville-ge.ch], A. Chautems [alain.chautems@ville-ge.ch], G. Ferreira [g.emiliano.ferreira@gmail.com], L. Clavijo [lauriclav@gmail.com] and A. Zuluaga [azuluagat@gmail.com]

[fieldguides.fieldmuseum.org] [922] version 2 3/2018



101 *Kohleria spicata*

MP



102 *Kohleria spicata* (rizomes)

MP



103 *Monopyle macrocarpa*

MP



104 *Monopyle macrocarpa*

AZ



105 *Monopyle* sp. 1

AZ



106 *Monopyle* sp. 1

AZ



107 *Monopyle* sp. 2

AZ



108 *Monopyle* sp. 2

AZ



109 *Monopyle* sp. 2

AZ



110 *Napeanthus apodemus*

MP



111 *Napeanthus apodemus*

MP



112 *Napeanthus apodemus*

AZ



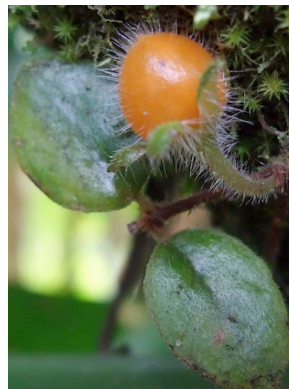
113 *Napeanthus apodemus*

AZ



114 *Neomortonia rosea*

MP



115 *Neomortonia rosea*

MP



116 *Trichodrymonia gigantea*

AZ



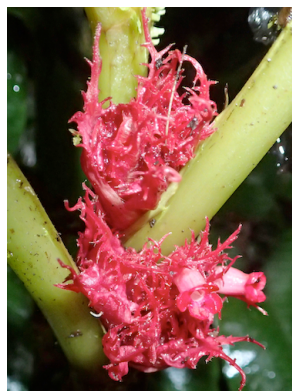
117 *Trichodrymonia gigantea*

AZ



118 *T. metamorphophylla*

MP



119 *T. metamorphophylla*

MP



120 *T. metamorphophylla*

MP

GESNERIACEAE of the Rio Anchicayá basin

Parque Nacional Natural Los Farallones de Cali (Valle del Cauca–Colombia)

7

Mathieu Perret¹, Alain Chautems¹, Gabriel E. Ferreira², Laura Clavijo³ & Alejandro Zuluaga³

¹Conservatoire et Jardin botaniques de la Ville de Genève, Switzerland, ²Instituto Nacional de Pesquisas da Amazônia, Manaus, Brasil, ³Universidad del Valle, Cali, Colombia

Photos by: M. Perret (MP), L. Clavijo (LC), A. Zuluaga (AZ), O.H. Marín (OHM), J.L. Clark (JLC).

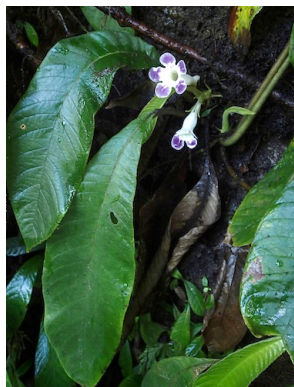
© M. Perret [mathieu.perret@ville-ge.ch], A. Chautems [alain.chautems@ville-ge.ch], G. Ferreira [g.emiliano.ferreira@gmail.com], L. Clavijo [lauriclav@gmail.com] and A. Zuluaga [azuluaga@gmail.com]

[fieldguides.fieldmuseum.org]

[922] version 2 03/2018



121 *T. metamorphophylla*



122 *Trichodrymonia* sp. 1



123 *Trichodrymonia* sp. 1



124 *Trichodrymonia* sp. 1



125 *Trichodrymonia* sp. 2



126 *Trichodrymonia* sp. 2



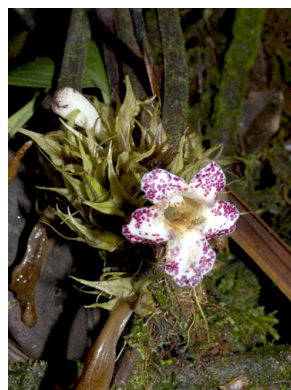
127 *Trichodrymonia* sp. 3



128 *Trichodrymonia* sp. 3



129 *Trichodrymonia* sp. 4



130 *Trichodrymonia* sp. 4

The Rio Anchicayá is born in the western Cordillera of the Andes in the Department of Valle del Cauca (Colombia) and flows northwestern into de Pacific Ocean. The rain forests found in this area are part of the Choco Biogeographic region and are among the most biodiverse in the Neotropics. The rain forests found in this area are part of the Choco Biogeographic region and are among the most biodiverse in the Neotropics. The area we visited corresponds to the high and medium part of the basin, between 500 and 2000 m above sea level. In this area, we found a high diversity of Gesneriaceae represented by 58 species and 13 genera. Part of the basin is protected by the Farallones de Cali National Natural Park, but human activities like deforestation and illegal mining are threatening this biodiversity hotspot.

We thank the Farallones de Cali National Natural Park for granting us permission to study this area.

Inset showing the location of the studied region (red rectangle) and the Farallones de Cali National Park (area in orange)

