

PLANTS from rocky outcrops of *campo rupestre* of the Serra do Cipó

Maria Gabriela Gutierrez de Camargo¹, Soizig Le Stradic², Jacqueline Salvi de Mattos³, Beatriz Lopes Monteiro¹, Gustavo Shimizu⁴, Cassiano A. Dorneles Welker⁵, Marcelo Monge⁴ & Leonor Patrícia Cerdeira Morellato¹

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Photos: Maria Gabriela G. de Camargo [camargomgg@gmail.com] and Le Stradic. Produced by the authors with assistance from Valéria Sampaio, Field Museum. Support from: FAPESP and CNPq.



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This guide resulted from systematic and non-systematic plant surveys conducted in the highly diverse *campo rupestre* of the Serra do Cipó, Minas Gerais, Brazil. The study area comprises the Serra do Cipó National Park and its buffer zone (Environmental Protected Area Morro da Pedreira). The *campo rupestre* dominates the landscape above 900m altitude and is a mosaic of vegetation types such as stony grassland, sandy grassland, wet grassland, and rocky outcrops of quartzite. Here, we present 130 species sampled on the rocky outcrops, but not necessarily exclusive of this vegetation type, which is a key feature of *campo rupestre*. Voucher specimens were deposited in the Herbarium Rioclarense (HRCB).



1 *Ruellia brevifolia*
ACANTHACEAE



2 *Ruellia densa*
ACANTHACEAE



3 *Gomphrena incana*
AMARANTHACEAE



4 *Gomphrena incana*
AMARANTHACEAE



5 *Gomphrena moquinii*
AMARANTHACEAE



6 *Gomphrena scapigera*
AMARANTHACEAE



7 *Hemipogon hatschbachii*
APOCYNACEAE



8 *Mandevilla tenuifolia*
APOCYNACEAE



9 *Minaria decussata*
APOCYNACEAE



10 *Minaria ditassoides*
APOCYNACEAE



11 *Ilex nummularia*
AQUIFOLIACEAE



12 *Didymopanax macrocarpum*
ARALIACEAE



13 *Aspidia jolyana*
ASTERACEAE



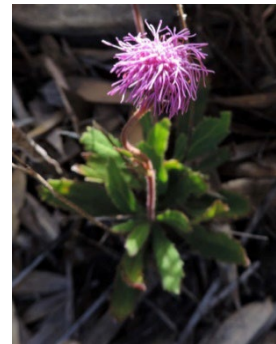
14 *Baccharis concinna*
ASTERACEAE



15 *Dasyphyllum reticulatum*
ASTERACEAE



16 *Echinocoryne schwenkiiifoli*
ASTERACEAE



17 *Heterocondylus pumilus*
ASTERACEAE



18 *Lessingianthus linearifolius*
ASTERACEAE

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19 *Lessingianthus psilophyllus*
ASTERACEAE



20 *Lessingianthus warmingianus*
ASTERACEAE



21 *Lychnophora passerina*
ASTERACEAE



22 *Lychnophora rupestris*
ASTERACEAE



23 *Mikania cipoensis*
ASTERACEAE



24 *Mikania cipoensis*
ASTERACEAE



25 *Mikania sessilifolia*
ASTERACEAE



26 *Porophyllum obscurum*
ASTERACEAE



27 *Pseudobrickellia angustissima*
ASTERACEAE



28 *Richteraego polymorpha*
ASTERACEAE



29 *Richteraego polymorpha*
ASTERACEAE



30 *Symphyopappus cuneatus*
ASTERACEAE



31 *Jacaranda paucifoliolata*
BIGNONIACEAE



32 *Vriesea stricta*
BROMELIACEAE



33 *Siphocampylus nitidus*
CAMPANULACEAE



34 *Evolvulus lithospermoides*
CONVOLVULACEAE



35 *Jacquemontia prostrata*
CONVOLVULACEAE



36 *Bulbostylis paradoxa*
CYPERACEAE



37 *Lagenocarpus junciformis*
CYPERACEAE



38 *Lagenocarpus rigidus*
CYPERACEAE

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39 *Rhynchospora ciliolata*
CYPERACEAE



40 *Rhynchospora consanguinea*
CYPERACEAE



41 *Rhynchospora recurvata*
CYPERACEAE



42 *Davilla elliptica*
DILLENIACEAE



43 *Gaylussacia montana*
ERICACEAE



44 *Actinocephalus polyanthus*
ERIOCAULACEAE



45 *Comanthera cipoensis*
ERIOCAULACEAE



46 *Leiothrix curvifolia*
ERIOCAULACEAE



47 *Paepalanthus argenteus*
ERIOCAULACEAE



48 *Paepalanthus bromelioides*
ERIOCAULACEAE



49 *Paepalanthus erectifolius*
ERIOCAULACEAE



50 *Syngonanthus anthemiflorus*
ERIOCAULACEAE



51 *Bernardia similis*
EUPHORBIACEAE



52 *Croton campestris*
EUPHORBIACEAE



53 *Microstachys daphnoides*
EUPHORBIACEAE



54 *Bionia coccinea*
FABACEAE



55 *Calliandra fasciculata*
FABACEAE



56 *Chamaecrista arrojadoana*
FABACEAE



57 *Chamaecrista linearis*
FABACEAE



58 *Chamaecrista ramosa*
FABACEAE

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59 *Dalbergia miscolobium*
FABACEAE



60 *Mimosa bombycina*
FABACEAE



61 *Calolisianthus pedunculatus*
GENTIANACEAE



62 *Pseudotrimezia juncifolia*
IRIDACEAE



63 *Hyptidendron vauthieri*
LAMIACEAE



64 *Hyptis crenata*
LAMIACEAE



65 *Hyptis proteoides*
LAMIACEAE



66 *Spigelia sellowiana*
LOGANIACEAE



67 *Cuphea ericoides*
LYTHRACEAE



68 *Cuphea ericoides*
LYTHRACEAE



69 *Diplusodon hirsutus*
LYTHRACEAE



70 *Diplusodon orbicularis*
LYTHRACEAE



71 *Lafoensia pacari*
LYTHRACEAE



72 *Banisteriopsis campestris*
MALPIGHIACEAE



73 *Byrsonima dealbata*
MALPIGHIACEAE



74 *Byrsonima vacciniifolia*
MALPIGHIACEAE



75 *Peixotoa tomentosa*
MALPIGHIACEAE



76 *Tetrapteryx microphylla*
MALPIGHIACEAE



77 *Cambessedesia corymbosa*
MELASTOMATACEAE



78 *Cambessedesia semidecandra*
MELASTOMATACEAE

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79 *Lavoisiera confertiflora*
MELASTOMATACEAE



80 *Lavoisiera cordata*
MELASTOMATACEAE



81 *Lavoisiera crassifolia*
MELASTOMATACEAE



82 *Marcetia taxifolia*
MELASTOMATACEAE



83 *Miconia irwinii*
MELASTOMATACEAE



84 *Microlicia amplexicaulis*
MELASTOMATACEAE



85 *Microlicia hirticalyx*
MELASTOMATACEAE



86 *Pleroma cardinale*
MELASTOMATACEAE



87 *Trembleya laniflora*
MELASTOMATACEAE



88 *Myrcia guianensis*
MYRTACEAE



89 *Neea theifera*
NYCTAGINACEAE



90 *Luxemburgia ciliosa*
OCHNACEAE



91 *Ouratea floribunda*
OCHNACEAE



92 *Epistephium sclerophyllum*
ORCHIDACEAE



93 *Habenaria magniscutata*
ORCHIDACEAE



94 *Esterhazyia splendida*
OROBANCHACEAE



95 *Physocalyx major*
OROBANCHACEAE



96 *Phyllanthus klotzschianus*
PHYLLANTHACEAE



97 *Axonopus fastigiatus*
POACEAE



98 *Axonopus marginatus*
POACEAE

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99 *Echinolaena inflexa*
POACEAE



100 *Homolepis longispicula*
POACEAE



101 *Paspalum erianthum*
POACEAE



102 *Paspalum polyphyllum*
POACEAE



103 *Tattanyx arnaites*
POACEAE



104 *Trichantheum distichophyllum*
POACEAE



105 *Polygala cneorum*
POLYGALACEAE



106 *Polygala glochidata*
POLYGALACEAE



107 *Myrsine monticola*
PRIMULACEAE



108 *Borreria capitata*
RUBIACEAE



109 *Chomelia ribesioides*
RUBIACEAE



110 *Declieuxia fruticosa*
RUBIACEAE



111 *Declieuxia fruticosa*
RUBIACEAE



112 *Galianthe peruviana*
RUBIACEAE



113 *Palicourea rigida*
RUBIACEAE



114 *Psyllocarpus laricoides*
RUBIACEAE



115 *Remijia ferruginea*
RUBIACEAE



116 *Sabicea brasiliensis*
RUBIACEAE



117 *Turnera hilaireana*
TURNERACEAE



118 *Barbacenia flava*
VELLOZIACEAE

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119 *Barbacenia gentianoides*
VELLOZIACEAE



120 *Vellozia albiflora*
VELLOZIACEAE



121 *Vellozia compacta*
VELLOZIACEAE



122 *Vellozia epidendroides*
VELLOZIACEAE



123 *Vellozia nivea*
VELLOZIACEAE



124 *Vellozia patens*
VELLOZIACEAE



125 *Vellozia resinosa*
VELLOZIACEAE



126 *Lippia origanoides*
VERBENACEAE



127 *Lippia stachyoides* var. *martiana*
VERBENACEAE



128 *Stachytarpheta procumbens*
VERBENACEAE



129 *Vochysia elliptica*
VOCHYSIACEAE



130 *Vochysia thyrsoidea*
VOCHYSIACEAE



131 *Xyris asperula*
XYRIDACEAE



132 *Xyris longiscapa*
XYRIDACEAE



133 *Xyris melanopoda*
XYRIDACEAE



134 *Xyris pterygoblephara*
XYRIDACEAE



135 *Xyris trachyphylla*
XYRIDACEAE

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136 Rocky outcrops of the *campo rupestre* studied at Serra do Cipó, Minas Gerais, Brazil.



137 A view of *campo rupestre* at Serra do Cipó, Minas Gerais, Brazil, with a rocky outcrop in the foreground.



138 Rocky outcrops of the *campo rupestre* studied at Serra do Cipó, Minas Gerais, Brazil, with associated vegetation.