



Universidade de Brasília
Instituto de Ciências Biológicas
Departamento de Botânica
Programa de Pós-Graduação em Botânica

**Levantamento da flora vascular da Estação
Ecológica Serra Geral do Tocantins, Jalapão,
TO-BA**

Aluna: **Raiana Rocha de Souza**

Orientador: **Prof. Dr. Marcelo Fragomeni Simon**

Coorientadora: **Prof. Dra. Juliana Gastaldello Rando**

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Dissertação de Mestrado apresentada
ao Programa de Pós-Graduação em
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obtenção do título de Mestre em
Botânica.

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RESUMO:

O Brasil é considerado um país megadiverso e possui grandes remanescentes de vegetação, que ainda cobrem cerca de 60% do país e abrigam uma considerável parte das espécies da Terra em uma variedade de ecossistemas. Um destes ecossistemas chave é o Cerrado, que possui uma flora rica e endêmica, mas encontra-se altamente ameaçado pela perda de habitats e degradação causados principalmente pela expansão da agricultura. Apesar da sua importância, diversas áreas do Cerrado permanecem pouco amostradas, particularmente aquelas situadas no Matopiba, uma fronteira agrícola localizada na porção norte do Cerrado. Para preencher as lacunas de conhecimento da biodiversidade nesta região, realizamos um levantamento florístico na Estação Ecológica Serra Geral do Tocantins (EESGT), uma das maiores reservas do Cerrado que abrange os estados do Tocantins (TO) e Bahia (BA). Com base em inventários de campo e buscas em bases de dados públicas de ocorrências de espécies (3623 registros), foram catalogadas 1131 espécies vasculares para a EESGT, distribuídas em 136 famílias e 483 gêneros. Samambaias e Licófitas possuem 42 spp., pertencentes a 17 famílias e 27 gêneros. Já as Angiospermas possuem 1089 spp. distribuídas em 119 famílias botânicas e 456 gêneros. As famílias mais ricas foram: Fabaceae (114 spp.); Poaceae (58); Rubiaceae (50); Asteraceae (41); Cyperaceae, Melastomataceae e Myrtaceae (39); Malvaceae e Euphorbiaceae (27); Apocynaceae (26); Eriocaulaceae (23); Malpighiaceae (21) e Lamiaceae (20). A maioria das espécies (1004) da EESGT aqui listadas não foi avaliada quanto ao grau de ameaça pela autoridade nacional de plantas ameaçadas de extinção (CNCFlora). Das 127 espécies avaliadas, duas foram classificadas na categoria Criticamente Ameaçadas, nove Ameaçadas e nove Vulneráveis. Foram indicadas também 15 espécies que são consideradas endêmicas para região do Matopiba. Novas ocorrências de espécies foram registradas para os estados em que a EESGT está localizada (23 para BA e 222 para TO). Como resultado do levantamento realizado, o presente trabalho traz registros importantes de espécies relevantes do ponto de vista da conservação, os quais poderão subsidiar ações de manejo e conservação da biodiversidade brasileira.

Palavras-chave: florística, biodiversidade, conservação, Jalapão, checklist.

ABSTRACT:

Brazil is considered a megadiverse country and has large remnants of vegetation, which still cover about 60% of the country and harbor a considerable part of the Earth's species in a variety of ecosystems. One key ecosystem is the Cerrado, which harbours a rich and endemic flora but highly threatened by habitat loss and degradation caused mainly by agricultural expansion. Despite its importance, many areas in the Cerrado remain poorly sampled, particularly those in the Matopiba, an agricultural frontier located in the northern portion of the Cerrado. To fill biodiversity knowledge gaps in that region, we carried out a floristic survey in the Estação Ecológica Serra Geral do Tocantins (EESGT), one of the largest reserves in the Cerrado located in Tocantins (TO) and Bahia (BA) states. Based on field inventories and search on public species occurrence databases (3623 records) we cataloged 1131 vascular species for the EESGT, distributed in 136 families and 483 genera. Ferns and Lycophytes comprise 42 spp. belonging to 17 families and 27 genera, while Angiosperms have 1089 spp. distributed in 119 families and 456 genera. The richest families are: Fabaceae (114 spp.), Poaceae (58), Rubiaceae (50), Asteraceae (41), Cyperaceae, Melastomataceae and Myrtaceae (39), Malvaceae and Euphorbiaceae (27), Apocynaceae (26), Eriocaulaceae (23), Malpighiaceae (21) and Lamiaceae (20). Most species (1004) found in the EESGT have not been assessed for threat by the national authority on endangered plants (CNCFlora). Among 127 species evaluated, two were classified as “Critically Endangered”, nine as Endangered and nine as “Vulnerable”. We also list 15 species considered endemic to the Matopiba region. New species occurrences were recorded for the states in which the EESGT is located (23 for BA and 222 for TO). As a result of our survey, the present work brings important records of species relevant from a conservation point of view, as they can support actions for the management and conservation of Brazilian biodiversity.

Keywords: floristics, biodiversity, conservation, Jalapão, checklist.

INTRODUÇÃO GERAL

O Cerrado é o segundo maior bioma da América do Sul, ocupando uma área de cerca de 2.000.000 km², o que representa cerca de 23% do território nacional, localizado essencialmente no Planalto Central do Brasil (Ribeiro & Walter, 2008; Borghetti et al., 2019). Considerado como um dos *hotspots* mundiais de biodiversidade (Myers et al. 2000), o Cerrado apresenta extrema riqueza de espécies endêmicas e sofre uma elevada perda de habitats. Do ponto de vista da diversidade biológica, o Cerrado brasileiro é reconhecido como a savana mais rica do mundo (p.ex. Klink & Machado, 2005), abrigando mais de 12,5 mil espécies de plantas nativas já catalogadas, das quais mais de 4.476 são endêmicas (Flora e Funga Brasil, 2022). O Cerrado faz fronteira com diferentes biomas, em que predominam florestas úmidas, como na Amazônia e na Mata Atlântica, florestas tropicais e subtropicais sazonalmente secas, contidas na Caatinga e no Chaco, além de vegetações abertas compostas por campos subtropicais e zonas úmidas contidas nesses biomas (Simon et al. 2009). Além da rica biota, o Cerrado possui importante papel em termos de disponibilidade de recursos hídricos, pois, dentre outras, nele estão localizadas as nascentes das bacias do Araguaia-Tocantins, do São Francisco, além de importantes afluentes das bacias Amazônica (ao norte) e do Prata (ao sul) (MMA, 2015).

O bioma Cerrado apresenta fisionomias que englobam formações florestais, savânicas e campestres (Ribeiro & Walter, 2008; MMA, 2020), compreendendo uma grande diversidade de habitats, que determinam uma notável alternância de espécies entre diferentes fitofisionomias. Conforme Ribeiro & Walter (2008), florestas representam áreas com predominância de espécies arbóreas, onde há formação de dossel, contínuo ou descontínuo. O termo savana refere-se a áreas com árvores e arbustos espalhados sobre um estrato gramíneo, sem a formação de dossel contínuo. Já o termo campo designa áreas com predomínio de espécies herbáceas e algumas arbustivas, faltando árvores na paisagem. Porém, toda a biodiversidade que o bioma contém começou a ser muito ameaçada pelo desmatamento desenfreado, que teve grande impulso após a década de 1970, transformando o Cerrado em uma nova e importante fronteira agrícola brasileira (INPE, 2020). Dados sobre a dinâmica do uso da terra têm mostrado avanço das atividades agrícolas e pecuária no Cerrado, resultando em perda de 50% da sua cobertura vegetal nativa (Souza Jr. et al., 2020).

Essa transformação tem modificado aspectos socioeconômicos regionais e impulsionado a produção agropecuária, tornando o Brasil um dos principais produtores mundiais de *commodities* agrícolas (INPE, 2020). Recentemente, o processo de conversão agrícola tem se intensificado na porção norte do bioma, resultando na substituição de habitats naturais pela agricultura de larga escala, a qual é caracterizada pela mecanização e intensificação da produção (Bolfe et al., 2016).

Considerada a última fronteira agrícola brasileira, o Matopiba, acrônimo que designa uma região geográfica que recobre partes dos estados do Maranhão, Tocantins, Piauí e Bahia, é resultante da expansão do agronegócio e do avanço de um modelo de produção agrícola altamente mecanizado em larga escala (Belchior et al., 2017). O Matopiba é um território vasto (com cerca de 730 mil km²) e heterogêneo, onde a fronteira agrícola tem se expandido sobre remanescentes de vegetação nativa. O ritmo de desmatamento somou mais de 126.036 km² entre 2000 e 2019, e o potencial de expansão da agricultura na região representa uma ameaça à vegetação nativa remanescente (Salomon, 2020). Na área e territórios que compreendem o Matopiba existem 42 Unidades de Conservação (UC), de várias categorias, e Terras Indígenas, que somadas compõem uma área total de aproximadamente 130.000 km² (GITE, 2015).

A conservação do Cerrado engloba sua biodiversidade e seus serviços ecossistêmicos, com destaque para a regulação do clima, fornecimento de água e polinização (Sano et al., 2019). Devido à necessidade de proteção da biodiversidade brasileira, a Lei Federal nº 9.985/00 que institui o Sistema Nacional de Unidades de Conservação (SNUC), estabeleceu critérios e normas para a criação, implantação e gestão das UCs. Esse sistema trouxe em seus dispositivos definições de termos necessários para o conhecimento e alcance dos objetivos da mesma. Seu artigo 1, inciso I, registra que UC constitui-se em um espaço territorial e seus recursos ambientais, incluindo as águas jurisdicionais, com características naturais relevantes, legalmente instituído pelo Poder Público, com objetivos de conservação e limites definidos, sob regime especial de administração, ao qual se aplicam garantias adequadas de proteção. No inciso II informa-se que conservação da natureza; e o manejo do uso humano da natureza, compreendendo a preservação, a manutenção, a utilização sustentável, a restauração e a recuperação do ambiente natural, para que possa produzir o maior benefício, em bases sustentáveis, às atuais gerações, mantendo seu potencial de satisfazer as necessidades e aspirações das gerações futuras, e garantindo a sobrevivência dos seres vivos em geral (Brasil, 2000).

Embora haja algumas leis que protegem a biodiversidade brasileira, tal proteção ainda permanece frágil, onde áreas protegidas públicas cobrem apenas 7,5% do bioma Cerrado (em comparação, por exemplo, com 46% da Amazônia). De acordo com a Lei de Proteção da Vegetação Nativa (LPVN), lei que substituiu o antigo Código Florestal Brasileiro de 1965 (Brancalion et al., 2016), no Cerrado apenas 20% (em comparação com 80% na Amazônia) de terras privadas são obrigados a serem reservadas para a conservação na forma de reserva legal, permitindo, portanto, o desmatamento da maior parte da vegetação nativa (Overbeck et al., 2015; Vieira et al., 2017).

A Estação Ecológica Serra Geral do Tocantins

Situada na fronteira agrícola do Matopiba, localizada na porção oriental do Tocantins e no extremo oeste da Bahia (Fig. 1), está a segunda maior área protegida e maior estação ecológica (ESEC) no Cerrado, Estação Ecológica Serra Geral do Tocantins (EESGT; Nogueira et al., 2011). Foi criada pelo Decreto s/nº, de 27 de setembro de 2001, com os objetivos de proteger e preservar amostras dos ecossistemas de Cerrado, bem como propiciar o desenvolvimento de pesquisas científicas (Brasil, 2001). A EESGT abrange uma área total de aproximadamente 716.306 hectares e é administrada pelo Instituto Chico Mendes da Conservação da Biodiversidade (ICMBio), que tem adotado as medidas necessárias à sua efetiva implantação e manejo do fogo (Barradas et al., 2020).

A EESGT é uma UC de Proteção Integral de Instância Federal, que segundo a Lei Federal nº 9.985/00, que instituiu o Sistema Nacional de Unidades de Conservação (SNUC), define proteção integral como a manutenção dos ecossistemas livres de alterações causadas por interferência humana, admitido apenas o uso indireto dos seus atributos naturais. A EESGT, o Parque Estadual do Jalapão, Parque Nacional das Nascentes do Parnaíba, a Área de Proteção Ambiental (APA) Jalapão, fazem parte dos mosaicos do Jalapão (Figura 1), região que possui a maior área contínua legalmente protegida do Cerrado, localizada na parte leste do estado do Tocantins na divisa com o Piauí, Bahia e Maranhão (Antar & Sano, 2019; ICMBio, 2002; ICMBio, 2014; Schmidt et al., 2007; Seplan, 2003a,b).

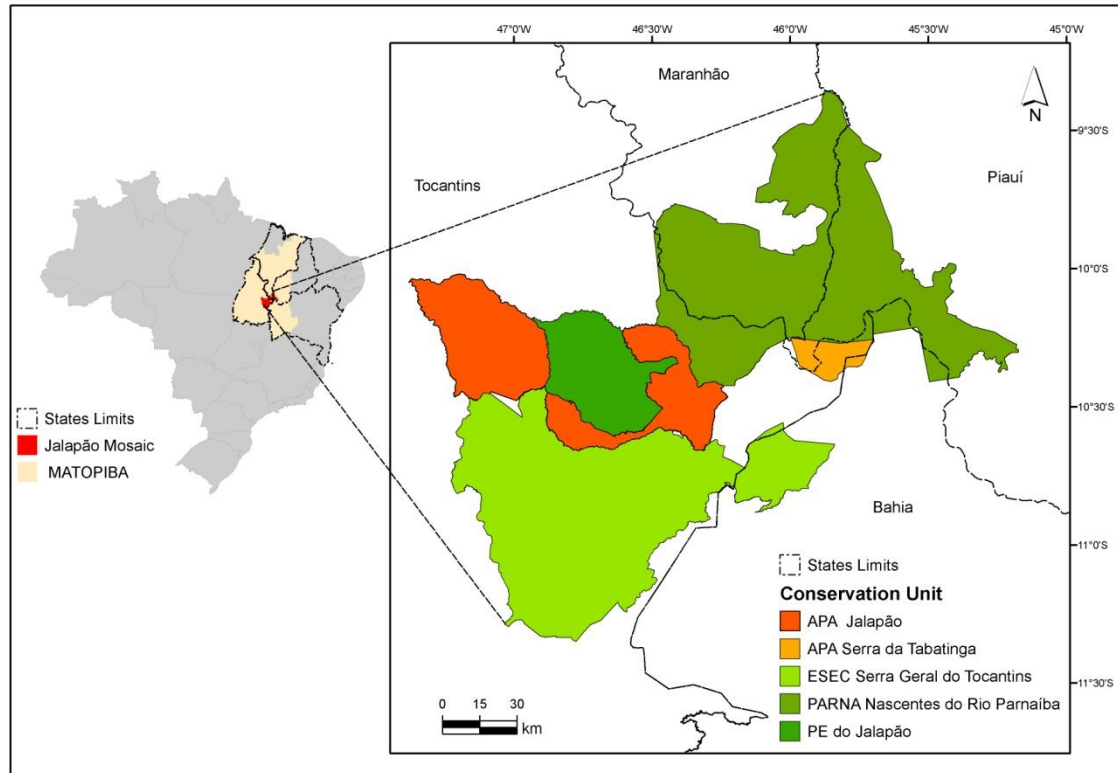


Figura 1. Delimitação da região do Matopiba e do Mosaico de Unidades de Conservação do Jalapão.

Figure 1. Delimitation of the Matopiba region and the Mosaic of Conservation Units of Jalapão.

A realização de estudos florísticos em áreas de grande relevância para biodiversidade e conservação, como na região do Jalapão, é extremamente importante para o conhecimento das espécies que ocorrem nas diferentes fisionomias, passo fundamental para a proposição e execução de ações de conservação e manejo da biodiversidade. Além de contribuir com o conhecimento da flora, esses estudos possibilitam inferir sobre os efeitos das queimadas na diversidade de plantas e, principalmente suprir a carência de dados básicos relevantes para o manejo das UCs (Cristo, 2013), permitindo o estabelecimento de ações de conservação para espécies ameaçadas. Atualmente, o Plano de Ação Territorial para Conservação de Espécies Ameaçadas de Extinção do Território Cerrado Tocantins (PAT Cerrado Tocantins) estabelece ações prioritárias de conservação para quatro táxons da flora. Essa iniciativa

também listou mais 16 espécies ameaçadas, que serão direta e indiretamente beneficiadas pela execução das ações de conservação (NATURATINS, 2020).

Estudos florísticos têm sido realizados na região do Jalapão, entre os quais destacam-se Proença et al. (2002), Scariot et al. (2003) e Antar & Sano (2019). Estudando a flora de fisionomias campestres e savânicas na região, Antar & Sano (2019) listaram 550 espécies, distribuídas em 85 famílias, sendo que dez espécies foram indicadas como raras, dez ameaçadas de extinção e doze foram apontadas como prováveis novas para a ciência. Contribuindo para o conhecimento da composição e diversidade da vegetação herbácea das veredas na Estação Ecológica Serra Geral do Tocantins, Silva et al. (2017) registraram a ocorrência de 213 espécies distribuídas em 109 gêneros e 49 famílias, listando 78 novos registros de espécies para o estado do Tocantins. Outros estudos realizados em diferentes trechos do Jalapão têm acrescentado informações relevantes para o conhecimento taxonômico da região, incluindo a descrição de novas espécies (Araujo & Souza 2007; França & Proença 2007; Proença et al., 2007; Yamamoto et al., 2008; Devecchi & Pirani 2015; Araújo et al., 2016; Mendes et al., 2017; Barbosa-Siva & Antar 2020), o que qualifica a região como uma importante fonte de novas descobertas botânicas Santana & Simon (2022).

Embora algumas expedições de coleta botânica tenham sido realizadas na EESGT e adjacências, a riqueza florística dessa que é uma das maiores UCs do Cerrado ainda é pouco conhecida e possui dados dispersos. Portanto, é essencial que inventários florísticos abrangentes que abarquem as diversas formas de vida e ambientes presentes na EESGT sejam realizados. Espera-se que um levantamento detalhado da flora da EESGT possa contribuir para ações de conservação, manejo e gestão nessa UC, além de contribuir com o conhecimento da diversidade vegetal do Cerrado.

O objetivo geral desta dissertação foi a realização de um levantamento florístico das espécies vasculares encontradas na EESGT. Dentre os objetivos específicos, destacam-se: i) Enriquecer herbários brasileiros com coletas de plantas vasculares (Licófitas, Samambaias, Gimnospermas e Angiospermas) provenientes da região do Jalapão nas diferentes fisionomias vegetais da UC.; ii) Compilar registros de ocorrência das espécies vasculares coletadas na EESGT depositadas em diferentes herbários; iii) Classificar na lista gerada as espécies raras de espécies vasculares para a EESGT, destacando as espécies de alto valor para a conservação como as raras, endêmicas da região do Jalapão ou do Tocantins e as eventualmente ameaçadas; e iv) Comparar a

composição em espécies da EESGT com a flora de outras UCs do Cerrado e listas florísticas disponíveis. Os resultados dessa dissertação são apresentados a seguir na forma de um manuscrito em formato de artigo científico.

REFERÊNCIAS

Antar GM & Sano PT (2019) Angiosperms of dry grasslands and savannahs of Jalapão, the largest conserved Cerrado area in Brazil. *Rodriguésia* 70: e04002017. doi: 10.1590/2175-7860201970070

Araujo AO & Souza VC (2007) Uma nova espécie de *Senna* Mill. (Leguminosae-Caesalpinioideae) do Brasil. *Rodriguésia* 58: 359-362 doi:10.1590/2175-7860200758210.

Barbosa-Silva RG & Antar GM (2020) Description vs deforestation: *Couepia brevistaminea* (Chrysobalanaceae), a new species on the frontier of agricultural expansion in the Brazilian savana. *Phytotaxa* 471 (1): 038-046. doi:10.11646/phytotaxa.471.1.4

Barradas ACS, Borges MA, Costa MM, Ribeiro KT (2020) Paradigmas da Gestão do Fogo em Áreas Protegidas no Mundo e o Caso da Estação Ecológica Serra Geral do Tocantins. *Biodiversidade Brasileira*, 10:71-86. doi:10.37002/biobrasil.v10i2.1474

Belchior EB, Alcântara PHR, Barbosa CF (2017) Perspectivas e desafios para a região do MATOPIBA. Informativo Técnico Núcleo de Sistemas Agrícolas da Embrapa Pesca e Agricultura. *Fronteira Agrícola*. nº16 p.1-3

Bolfe EL, Victória DC, Contini E, Bayma-Silva G, Spinelli-Araujo L, Daniel Gomes D (2016) Matopiba em crescimento agrícola aspectos territoriais e socioeconômicos. *Revista Política Agrícola* Ano XXV nº4 38-62.

Borghetti F, Barbosa, E, Ribeiro L, Ribeiro JF, Walter BMT (2019) South American Savannas. In: *Savanna Woody Plants and Large Herbivores*, First Edition. doi:10.1002/9781119081111.ch4

Brancalion PHS, Garcia LC, Loyola R, Ricardo R, Rodrigues RR, Pillar VD, Lewinsohn TM (2016) A critical analysis of the Native Vegetation Protection Law of

Brazil (2012): updates and ongoing initiatives. Nat. Conserv. (Impr.). <http://dx.doi.org/10.1016/j.ncon.2016.03.003>

Brasil. Decreto de 27 de setembro de 2001. Cria a Estação Ecológica Serra Geral do Tocantins, nos Estados do Tocantins e da Bahia, e dá outras providências. Disponível em: http://www.planalto.gov.br/ccivil_03/DNN/2001/Dnn9340.htm Acesso em: 12 out. 2020.

Brasil. Instituto Nacional de Pesquisas Espaciais. Brasília. INPE, 2020. COORDENAÇÃO GERAL DE OBSERVAÇÃO DA TERRA. DETER – Alertas de desmatamento no Cerrado Brasileiro. Disponível em: <http://cerrado.obt.inpe.br/monitoramento-do-desmatamento-no-cerrado-brasileiro-por-satelite/> Acesso em: 12 out. 2020.

Brasil. LEI No 9.985, DE 18 DE JULHO DE 2000. Regulamenta o art. 225, § 1o, incisos I, II, III e VII da Constituição Federal, institui o Sistema Nacional de Unidades de Conservação da Natureza e dá outras providências. Disponível em: http://www.planalto.gov.br/ccivil_03/leis/19985.htm Acesso em: 16 out. 2022.

Brasil. Ministério do Meio Ambiente (2015). Mapeamento do Uso e Cobertura do Cerrado: Projeto TerraClass Cerrado/2013/Brasília. 67p.

Brasil. Ministério do Meio Ambiente 2020. Relatório Parametrizado - Unidade de Conservação. Disponível em: <http://sistemas.mma.gov.br/cnuc/index.php?ido=relatorioparametrizado.exibeRelatorio&relatorioPadrao=true&idUc=76> Acesso em: 15 out. 2020.

Brasil. Ministério do Meio Ambiente. O Bioma Cerrado 2020. Brasília, 2020. Disponível em: <https://www.mma.gov.br/biomas/cerrado.html> Acesso em: 12 out. 2020.

Cristo SSV (2013) Abordagem geográfica e análise do patrimônio geomorfológico em unidades de conservação da natureza: Estação Serra Geral do Tocantins e área de entorno – Estado do Tocantins e Bahia. Tese, Universidade Federal do Rio Grande do Sul.

Devecchi MF & Pirani JR (2015) A new species of *Simaba* sect. *Grandiflorae* (Simaroubaceae) from Jalapão region, Tocantins, Brazil. *Phytotaxa* 227: 167-174, 2015.

Flora e Funga do Brasil Jardim Botânico do Rio de Janeiro. Disponível em: <http://floradobrasil.jbrj.gov.br/> Acesso em: 09 out. 2022.

França F, Proença CEB (2007) *Vochysia palmirana* (Vochysiaceae), a new species from Goiás and Tocantins, Brazil. *Brittonia* 59: 374-376

Grupo de Inteligência Territorial e Estratégica da Embrapa. Campinas (2015) Caracterização Territorial e estratégica do MATOPIBA. Disponível em: <https://www.embrapa.br/gite/projetos/matopiba/index.html> Acesso: 24 out. 2020.

Instituto Chico Mendes de Biodiversidade e Conservação. (2002) Decreto de criação do Parque Nacional das Nascentes do Rio Parnaíba. Disponível em: <https://www.icmbio.gov.br/portal/unidadesdeconservacao/biomas-brasileiros/mais-info/9727-parna-das-nascentes-do-rio-parnaiba> Acesso em: 12 nov. 2020.

Instituto Chico Mendes de Biodiversidade e Conservação. (2014) Plano de manejo para a Estação Ecológica Serra Geral do Tocantins (EESGT). p.529. Disponível em: <https://www.icmbio.gov.br/portal/esecc-serra-geral-do-tocantins?highlight=WyJlc2VjIiwic2VycmEiLCInc2VycmEiLCJnZXJhbCIImVzZW Mgc2VycmEiLCJlc2VjIHNlcnJhIGdlcmFsIiwic2VycmEgZ2VyYWwiXQ==> Acesso em: 28 set. 2020.

Klink CA & Machado RB (2005) A conservação do Cerrado brasileiro. *Megadiversidade* 1: 147-155.

Mendes TP, Souza AO, Silva MJ (2017) A new species hidden in the lowlands of Tocantins, Brazil: *Chamaecrista tocantinensis* (Fabaceae). *Systematic Botany* 42: 326-337.

Myers N, Mittermeier RA, Mittermeier CG, Fonseca BAG, Kent J (2000). Biodiversity hotspots for conservation priorities. *Nature* 403: 853-858.

NATURATINS (2020) Plano de Ação para Conservação das Espécies Ameaçadas de Extinção do Território Cerrado Tocantins - PAT Cerrado Tocantins. Palmas/TO. 27p. 2020. Disponível em: <<https://central3.to.gov.br/arquivo/536142/>> Acesso em: 13 nov. 2020.

Nogueira CC, Ferreira MN, Recoder RS, Carmignotto AP, Valdujo PH, Lima FCT, Gregorin R, Silveira LF, Rodrigues MT (2011) Vertebrados da Estação Ecológica Serra Geral do Tocantins: faunística, biodiversidade e conservação no Cerrado brasileiro. *Biota Neotropica* 11(1) doi:10.1590/S1676-06032011000100030

Overbeck GE, Velez-Martin E, Scarano FR, Lewinsohn TM, Fonseca CR, Meyer ST, Müller SC, Ceotto P, Dadalt L, Durigan G, Ganade G, Gossner MM, Guadagnin DL, Lorenzen K, Jacobi CM, Weisser WW, Pillar VD (2015) Conservation in Brazil needs to include non-forest ecosystems. *Diversity and Distributions* 21: 1455-1460. doi:10.1111/ddi.12380

Proença CEB, Sampaio AB, Silva LH, Milhomens LC, Simon MF, Simpson PL, Farias R (2002). Relatório de Botânica. In: Arruda, M.B.; von Behr, M. (Org.). Jalapão: expedição científica e conservacionista. Brasília: IBAMA, v. p. 21-28.

Proença CEB, Farias-Singer R, Gomes B (2007) *Pleonotoma orientalis* (Bignoniaceae-Bignoniaceae): expanded description, distribution and a new variety of a poorly known species. *Edinburgh Journal of Botany* 64: 17-23 doi:10.1017/S0960428606000680

Ribeiro JF, Walter BMT (2008) As principais fitofisionomias do bioma Cerrado. In: Sano SM, Almeida SP & Ribeiro JF (eds.) Cerrado: ecologia e flora. 2ª ed. Embrapa Cerrados.

Salomon, MMR (2020) Quem disputa o Matopiba? Interesses e sustentabilidade na fronteira agrícola. Tese de doutorado, Universidade de Brasília.

Sano EE, Rodrigues AA, Martins ES, Bettiola GM, Bustamante MMC, Bezerra AS, Couto Jr. AF, Vasconcelos V, Schülerb J, Bolfe EL (2019) Cerrado ecoregions: A spatial framework to assess and prioritize Brazilian savanna environmental diversity for conservation. *Journal of Environmental Management* 232: 818-828. doi: 10.1016/j.jenvman.2018.11.108

Santana JCO & Simon MF (2022) Plant diversity conservation in agricultural frontier in the Brazilian Cerrado. *Biodiversity and Conservation*. doi: 10.1007/s10531-022-02356-2

Scariot A, Cavalcanti TB, Sevilha AC, Sampaio AB, Carvalho-Silva M, Silva GP (2003) Flora e vegetação do entorno do Parque Estadual do Jalapão (TO). Série Documentos, Embrapa.

Schmidt IB, Figueiredo IB, Scariot A (2007) Ethnobotany and effects of harvesting on the population of *Syngonanthus nitens* (Bong.) Ruhland (Eriocaulaceae), a NTFP from Jalapão region, Central Brazil. *Economic Botany* 61: 73-85

Secretaria do Planejamento e Meio Ambiente – SEPLAN (2003a) Disponível em <http://gesto.to.gov.br/site_media/upload/plano_manejo/PLANO_DE_MANEJO_DO_PARQUE_ESTADUAL_DO_JALAPAO.pdf>. Acesso: 12 nov. 2020.

Secretaria do Planejamento e Meio Ambiente – SEPLAN (2003b) Disponível em:<http://gesto.to.gov.br/site_media/upload/gestao/documentos/Plano_Manejo_APA_Jalapao.pdf>. Acesso: 12 nov. 2020.

Silva DP, Amaral AG, Bijos NR, Munhoz CBR (2017) Is the herb-shrub composition of veredas (Brazilian palm swamps) distinguishable? *Acta Botanica Brasilica* - 32(1): 47-54. doi: 10.1590/0102-33062017abb0209

Simon MF, Grether R, Queiroz LP, Skema C, Pennington RT, Hughes CE (2009) Recent assembly of the Cerrado, a neotropical plant diversity hotspot, by in situ evolution of adaptations to fire. *Proceedings of the National Academy of Sciences of the United States of America* 106 (48) 20359-20364. doi:10.1073/pnas.0903410106

Souza Jr CM, Shimbo JZ, Rosa MR, Parente LL, Alencar AA, Rudorff BFT, Hasenack H, Matsumoto M, Ferreira LG, Souza-Filho PWM, Oliveira SW, Rocha WF, Fonseca AV, Marques CB, Diniz CG, Costa D, Monteiro D, Rosa ER, Vélez-Martin E, Weber EJ, Lenti FEB, Paternost FF, Pareyn FGC, Siqueira JV, Viera JL, Neto LCF, Saraiva MM, Sales MH, Salgado MPG, Vasconcelos R, Galano S, Mesquita VV, Azevedo T (2020) Reconstructing Three Decades of Land Use and Land Cover Changes in Brazilian Biomes with Landsat Archive and Earth Engine. *Remote Sens.* 12, 2735. doi:10.3390/rs12172735

Vieira RRS, RibeiroBR, Resende FM, Brum FT, Machado N, Sales LP, Macedo L, Soares-Filho, Loyola R (2017) Compliance to Brazil's Forest Code will not protect biodiversity and ecosystem services. *Diversity and Distributions*. doi:10.1111/ddi.12700

Yamamoto K, Chacon RG, Proença CEB, Cavalcanti TB, Graciano-Ribeiro D (2008) A distinctive new species of *Ouratea* (Ochnaceae) from the Jalapão region, Tocantins, Brazil. *Novon* 18: 397-404. doi: 10.3417/200609

VASCULAR FLORA OF THE ESTAÇÃO ECOLÓGICA SERRA GERAL DO TOCANTINS, A LARGE PROTECTED AREA IN THE JALAPÃO REGION, BRAZIL

INTRODUCTION

Located within the Neotropical region (Tropical America), which is considered the most biodiverse region in the world (Antonelli & Sanmartín, 2011; Lima et al., 2018), Brazil is considered a megadiverse country as well as a priority for biodiversity conservation. Large remnants of native vegetation that still cover about 60% of the country are home to a considerable part of Earth's species in a wide variety of ecosystems. (Oliveira et al., 2017). The planet's biodiversity is not evenly distributed, but rather concentrated in certain regions where there are exceptionally high concentrations of endemisms. However, many (but not all) of these areas are at risk of disappearing due to strong human impact (Mittermeier et al. al., 2011). Brazilian biodiversity is highly threatened by habitat loss and degradation, extraction of natural resources, expansion of agricultural activities, mining and fire caused by human action (Martinelli & Moraes, 2013) and lack of specific and effective public policies focused on the theme. One of the ways to prevent the loss of biodiversity is the creation and maintenance of Conservation Units (UCs). Although there are legal provisions that list criteria and standards for the creation, implementation and management of UCs, these are not protecting most endemic species and lineages in Brazil (Oliveira et al., 2017). The choice of the most appropriate areas for conservation can be guided based on robust information on species occurrence data obtained from biodiversity inventories (eg. Santana & Simon, 2022).

In addition to identifying priority areas for conservation, biodiversity inventories can also contribute to: provide new occurrence records for species; assess the conservation status of species; generate lists of species with high conservation value; help UC management plans; and discovery of new taxa for science. However, there is still a deficit in biodiversity inventories in Brazilian UCs. Oliveira et al. (2017) considered that only 1% of protected areas in Brazil have good sampling, which represents a major obstacle to the effective management of several UCs and Brazilian biodiversity in general.

Of recognized importance for conservation, and harbouring the largest remnants of native vegetation, is the Jalapão region, located in the northeast portion of the biome Cerrado (CNUC, 2021). In this region, the great concentration of protected areas known as (Mosaico do Jalapão), composed of several UCs in different categories comprising about 30 thousand km², is of great relevance for conservation (Brasil, 2022). Within this mosaic of UCs, the Serra Geral do Tocantins Ecological Station (EESGT) stands out as the second largest UC and largest ecological station in the Cerrado (CNUC, 2021; Nogueira et al., 2011).

Biodiversity inventories have been carried out in the Jalapão region in recent years, covering different groups of vertebrates (Aloísio et al., 2005; Rego et al., 2011; Recoder et al., 2011; Valdujo et al., 2011; Nogueira et al., 2011; Barbosa et al., 2021) and plants (Proença et al., 2002; Scariot et al., 2002; Antar, 2015; Antar & Sano, 2019). However, the lack of biological information in the region is clear, which despite having large remnants of native vegetation and rich biodiversity (Santana & Simon, 2022), has suffered an accelerated loss of habitats with the expansion of the agricultural frontier of MATOPIBA (Araújo et al., 2019).

Given the need for more inventories in Brazilian UCs, this study aims to increase the list of floristic data for the Jalapão region, by carrying out a floristic survey of vascular species found in the EESGT. This survey was mainly based on new collections carried out in the last five years, covering all types of vegetation and life forms, as well as a compilation of occurrence records obtained from several herbaria. A list of vascular species for the EESGT is presented, highlighting species of high conservation value such as rare, endemic to the Jalapão region or to the states in which the UC is located, and those that are eventually threatened. In addition, the species list of the EESGT is compared with the flora of other UCs in the Cerrado and with other studies carried out in the region.

MATERIAL AND METHODS

Study area

The study was carried out in the EESGT, located in the eastern portion of the state of Tocantins (TO) and the extreme west of the state of Bahia (BA), between the latitudes

10° 25' - 11° 21'S and longitudes 47° 13' - 45° 50'W, contained in the municipalities of Almas, Mateiros, Ponte Alta do Tocantins, Rio da Conceição (TO), and Formosa do Rio Preto (BA; Figure 1). From the point of view of water resources, the EESGT is of great importance, since there are several springs and watercourses that drain eastwards to the São Francisco river basin, or westwards to the Tocantins river basin, a hydrographic phenomenon known as amended waters (Villela & Nogueira, 2011; Lima & Caires, 2011).

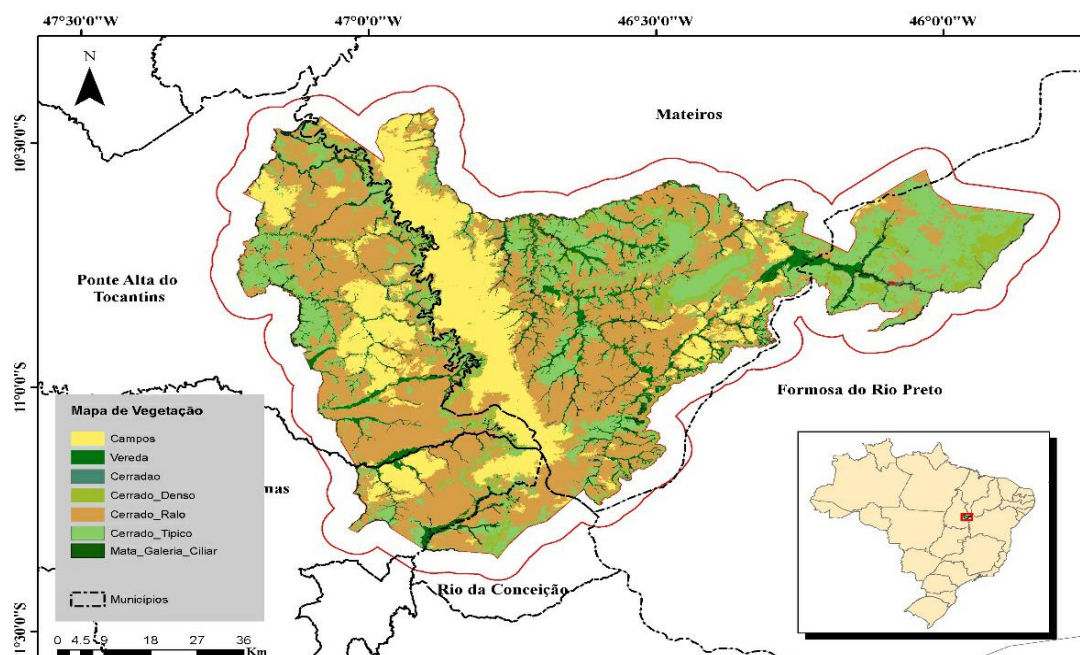


Figure 1. Location of the Estação Ecológica Serra Geral Tocantins. Vegetation map of the Estação Ecológica Serra Geral do Tocantins, showing the main physiognomies found. Adapted from Orozco-Filho (2017).

Ecologically and geomorphologically, the EESGT is located in the Araguaia-Tocantins and Chapadão do São Francisco Cerrado ecoregions (Sano et al., 2019). The landforms are characterized by sequences of plateaus and terraces. There are also some table-type mountain ranges and testimonies. The soils are of the following types: Quartzarenic Neosols, Yellow Latosols and rocky sandstone outcrops, in the steepest areas (Villela & Nogueira, 2011; Nogueira et al., 2013). According to the Köppen classification, the regional climate is type Aw (tropical rainy), characterized by seasonality with dry winters and rainy summers (Alvares et al., 2014), average annual

temperature of 24°C (MMA, 2020) and average annual precipitation of 1300 mm (measured in the Mateiros weather station; <https://www.snirh.gov.br/hidroweb/serieshistoricas>).

For many years, the EESGT adopted management strategies that tended to exclude fire, which predominated from the creation of the UC until 2012. After more than 10 years of adopting a fire exclusion policy, EESGT managers evaluated that this management approach was not being successful in promoting the conservation of biodiversity and was a reason for the intensification of socio-environmental conflicts over the use of fire. Between 2012 and 2014, managers changed their approach and started to consider the integrated fire management process, which considerably reduced the occurrence of wildfires (Barradas et al., 2020).

In the EESGT, grasslands and open savannic physiognomies predominate, with prevalence of “campos” and “Cerrado Ralo” (Ribeiro & Walter 2008). Savanna vegetation with more tree density occurs in the eastern portion of the UC. Along watercourses and springs, there are “vereda” swamps, as well as gallery and riparian forests. A vegetation map of the EESGT derived from high resolution RapidEye satellite image classification (Orozco-Filho, 2017) is shown in Figure 1.

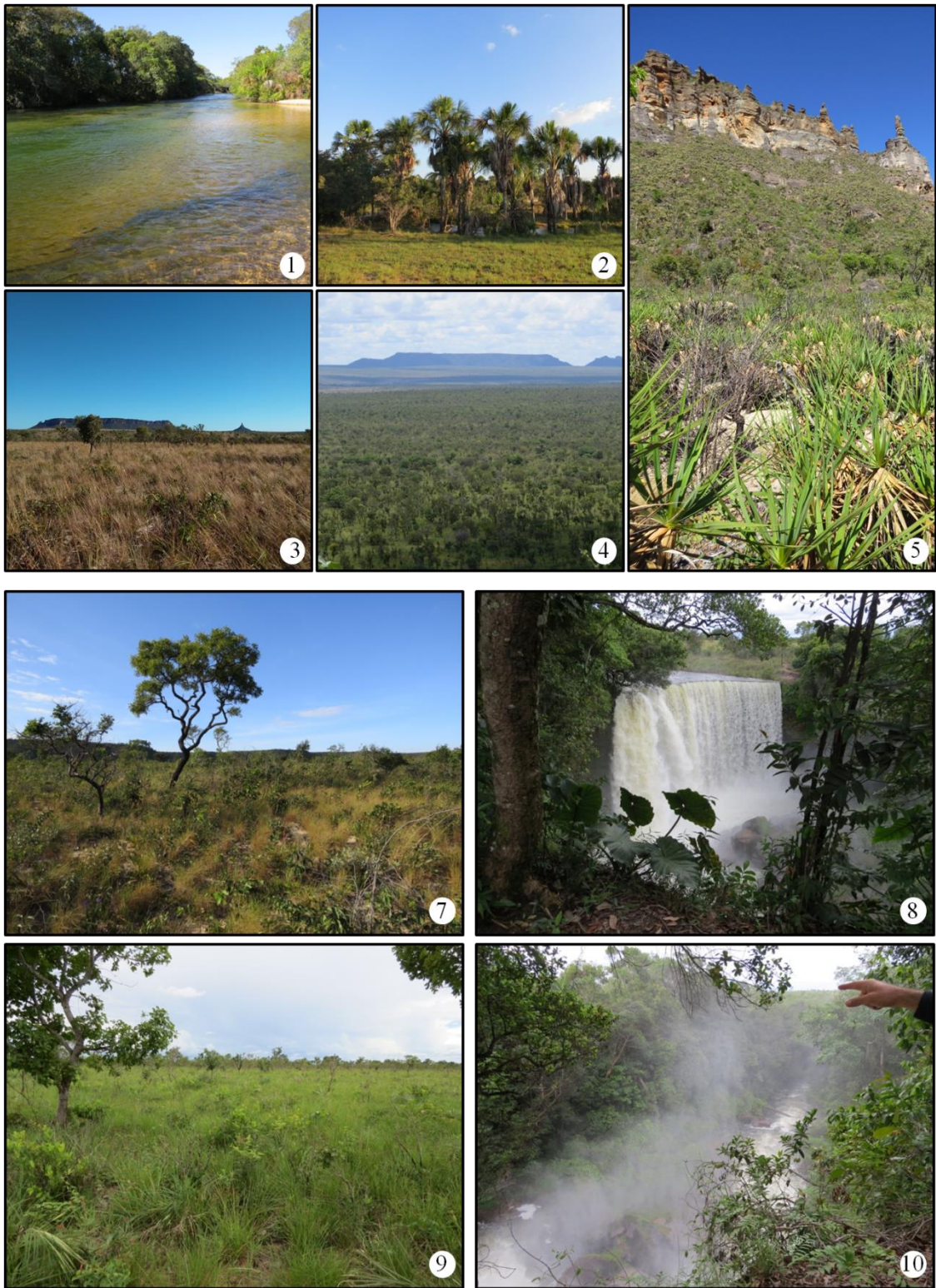


Figure 2. Main physiognomies at the ESEC GT. 1. Mata Ciliar; 2. Vereda; 3. Campo Sujo; 4. Cerrado stricto sensu; 5. Campo Rupestre; 7. Cerrado Ralo; 8. Mata Ciliar at Cachoeira da Fumaça; 9. Campo Sujo; 10. Mata Ciliar along Cachoeira da Fumaça. (Photos: Marcelo Fragomeni Simon)

Floristic survey

Five expeditions to survey the vascular flora of the EESGT were carried out by the collecting team of the Embrapa Genetic Resources and Biotechnology (Embrapa Cenargen) from 2018 to 2022, with the logistical support of the EESGT/ICMBio brigade. The five expeditions carried out had a team of six to ten people and lasted from 5 to 7 days in the field, where vascular plants comprising the different life forms occurring in the phytophysiognomies present in the EESGT were collected using standard method (Filgueiras et al., 1994). The expeditions targeted different areas in order to cover the largest number of locations in the UC. In each expedition, a base camp was established, from which different collection points were accessed: October 2018 (Vila dos Prazeres camp); August 2019 (rio Verdinho camp, in collaboration with the collection team from the Universidade Federal do Oeste da Bahia); March 2021 (Serra da Muriçoca camp); July 2021 (Vila dos Prazeres camp); March 2022 (Cachoeira da Fumaça and locations in the southern portion of the EESGT).

In each expedition, localities for botanical collection were defined in order to cover different environments that could be accessed by the roads that cut the EESGT. Basic information about the habit, common name and uses by local communities were recorded for the species collected, in addition to a field photographic record. After collection, the usual process of herborization was carried out with a gas oven drier in the field (IBGE, 2012). Subsequently, the material was organized and prepared for inclusion in herbarium, following the usual procedures for botanical specimens. Collections carried out by the field team were numbered by the following main collectors: R.R. Souza, M. Figueira, B. Schindler, ESEC Serra Geral do TO Team, J.G. Rando and M.F. Simon.

The botanical material collected was deposited in the Herbarium CENARGEN (CEN), with duplicates sent to the University of Brasília (UB) and Universidade Federal do Oeste da Bahia -UFOB (BRBA) herbaria. Other duplicates are being donated to other institutions. The collected samples were identified based on the comparison with herbarium specimens identified by specialists, through identification keys (Flora and Funga do Brasil 2022), and consultation of the specialized literature. Specialists from the following families and groups helped to determine the collections: Apocynaceae, A. Rapini; Asteraceae, J.B. Bringel Jr., V.R. Bueno; Burmanniaceae, D.F. Silva; Eriocaulaceae, C.O. Andrino; Fabaceae, J.G. Rando, M.F. Simon; Lamiaceae, G.M. Antar; Lentibulariaceae, P.M. Gonella; Loranthaceae, A.G. Detke; Lythraceae, T.B.

Cavalcanti; Myrtaceae, J.Q. Faria Jr; Orchidaceae, L. Bianchetti; Poaceae, J.F.M. Valls; Rubiaceae, P.G. Delprete; and Turneraceae, L. Rocha.

Compilation of occurrence records for the EESGT flora in public databases

In order to complement the field collections carried out during the project, a compilation of occurrences of vascular plant species was made based on secondary data from herbarium repositories available in public online databases. Species occurrence data digitally available were searched in the following databases: speciesLink, Global Biodiversity Information System (GBIF) and Re flora. The searches done in the speciesLink and Re flora databases were performed using geographic filters, downloading the occurrence of species in the Brazilian municipalities where the EESGT is located (Almas, Mateiros, Rio da Conceição, Ponte Alta do Tocantins and Formosa do Rio Preto). In GBIF, the occurrence data were downloaded by applying a geographic filter defined by a rectangle that encompasses the UC and adjacencies, delimited by the following coordinates: - 47.275 -11.395; -45.797 -11.395; -45.797 -10.382; -47.275 -10.382. The three data sources (speciesLink, GBIF, Re flora) initially provided 30,885 records, which were standardized to create a single initial dataset. The dataset went through several cleaning steps, namely: 1) records for which there was no information on the collection location and without geographic coordinates were excluded. 2) after the previous step, the data were filtered in the ArcGIS Desktop software, using the EESGT area as a delimitation, together with a buffer area (5km buffer), in order to include in this compilation areas immediately adjacent to the EESGT. Occurrence records that were not included in the delimited area were excluded, leaving 11,684 records at this stage; 3) in this step, the botanical duplicates (same collection deposited in different herbaria) were detected based on the collector name and number, and the collection date. Only one specimen per collection was retained and duplicates were excluded. In this procedure, in case of differences in identification among duplicates, the specimen preferably determined by a specialist was kept. This procedure resulted in 2452 records.

Preparation of a species list for the EESGT

After cleaning and checking the database, the data from the collections carried out at the EESGT by the Cenargen team (1171 records) were concatenated to the data obtained from online databases (2452 records), totaling a database containing 3623 records (Figure 3). The spelling and synonymy of the species was verified on the Plantminer platform (Carvalho et al., 2010), keeping only correct and accepted scientific names according to Flora and Funga do Brasil (2022).

For the elaboration of the final list of species, records identified at the species level were considered, as well as those identified up to genus, but belonging to species different from the others. Those were indicated in the list as sp. A selected herbarium voucher was chosen to represent each species listed. Data on habit and geographic distribution were also obtained from the Plantminer platform, which uses data available from Flora and Funga do Brasil (2022).

Information on the degree of threat of the species was obtained from the website of CNCFlora (<http://cncflora.jbrj.gov.br>), the national authority on endangered species of the Brazilian flora. The species were classified as endemic to the Matopiba region based on the list by Santana & Simon (2022). The presence of endemic species in UC was obtained from Santana & Simon (2022). Information on species occurrence in the states derived from Flora and Funga do Brasil (2022) was used to verify new occurrence records for Bahia and Tocantins.

RESULTS

Floristics

Based on the 3623 unique records of collections carried out in the EESGT and also in its buffer area (Figure 3), 1131 species were listed (Annexes I and II), comprising various life forms including herbs (33.0%), trees (12.7%), subshrubs (8.6%), shrubs (7.7%), lianas/vines (5.1%), palms (1.3%), and more than one life form (31.9%). Regarding substrate, species were recorded in different categories: terrestrial (85.2%), rupicolous (1.2%), aquatic (1.2%), and more than one substrate (11.2%). Epiphyte, hemiepiphyte, parasite, hemiparaiste together comprised less than 2% of species recorded.

The 42 species of Ferns and Lycophytes (Annex I; Figure 4) have 77 records (collections) and belong to 27 genera and 17 families. The collections carried out by the Embrapa Cenargen team, in the years 2018 to 2022, increased by 62% the records of Ferns and Lycophytes in the EESGT.

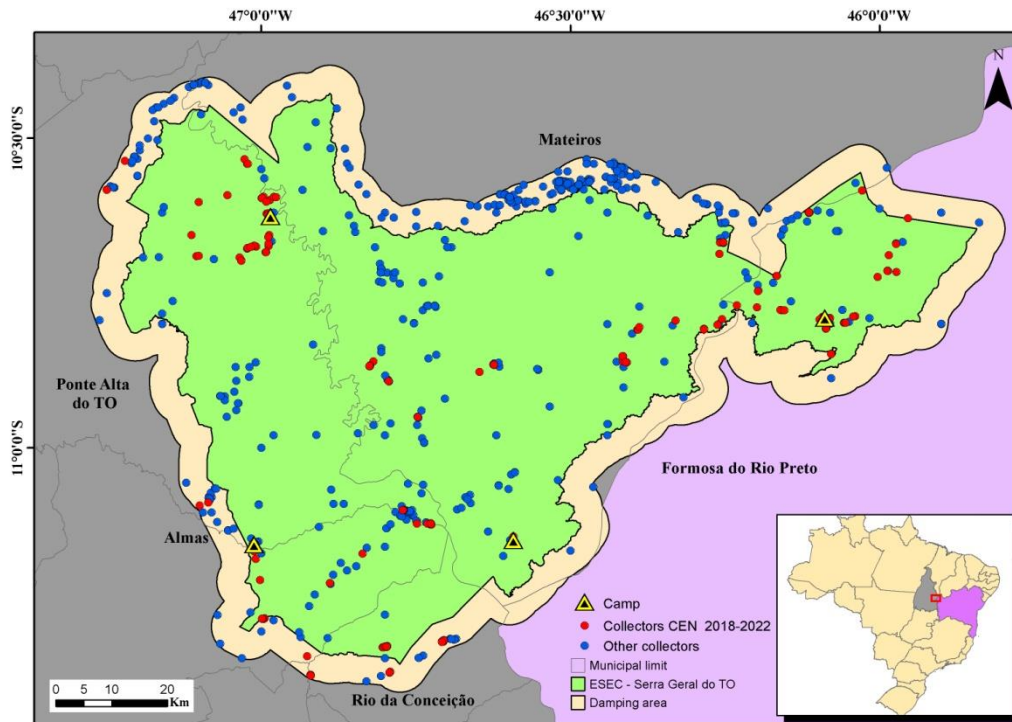


Figure 3: Botanical collections carried out at the Estação Ecológica Serra Geral do Tocantins, with records of collections made by Embrapa Cenargen collectors between 2018 and 2022, and by other collectors obtained from the online databases.

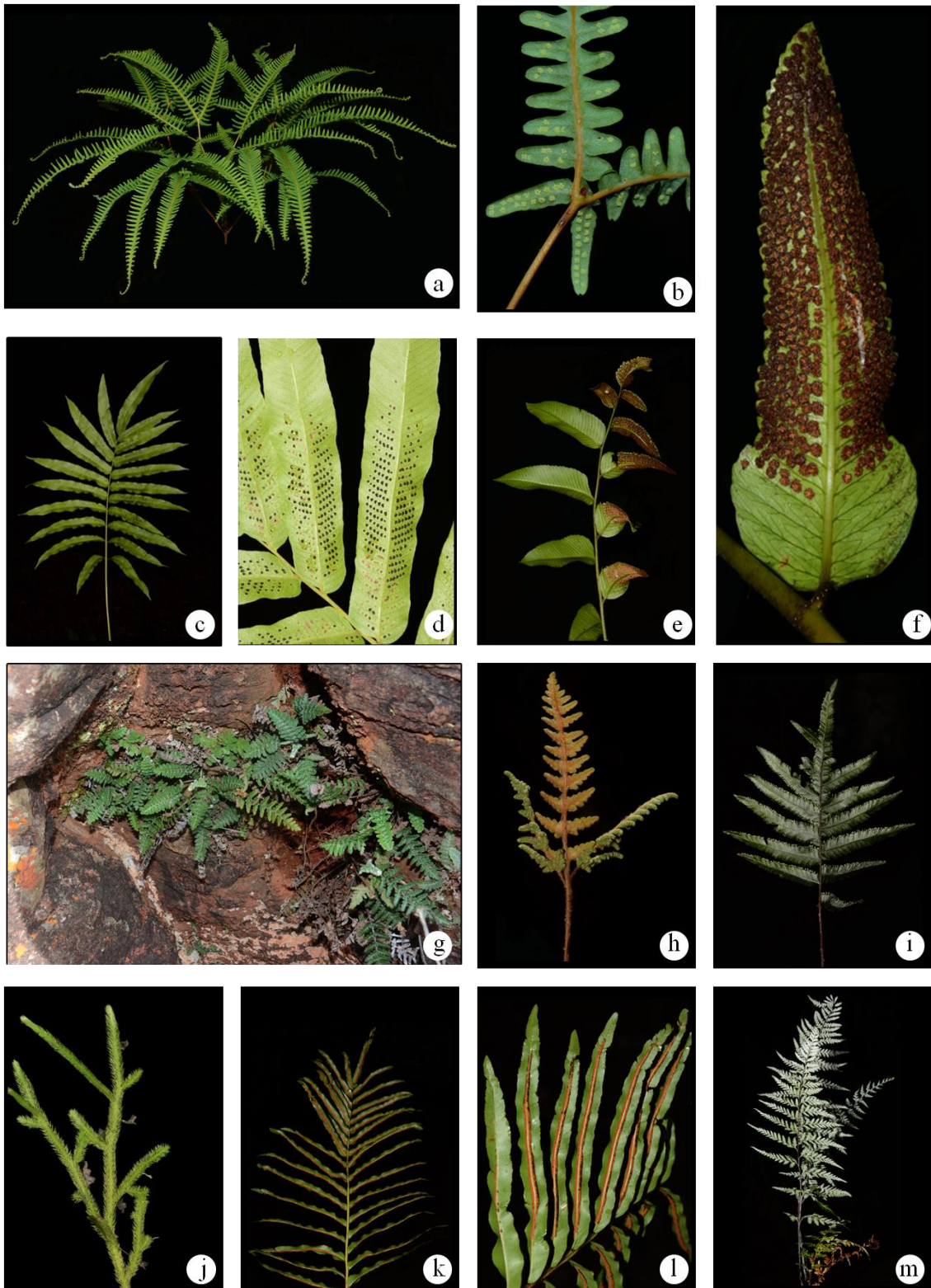


Figure 4: Representatives of Ferns and Lycophytes found at the EESGT. a-b) *Dicranopteris flexuosa* c-d) *Meniscium arborescens* e-f) *Cycloodium meniscioides* g-h) *Anemia trichorhiza* j) *Lycopodiella longipes* i) *Trichomanes pinnatum* k-l) *Telmatoblechnum serrulatum* m) *Pityrogramma calomelanos* (Photos: Maurício Figueira).

The 1089 species of Angiosperms recorded in the EESGT (Annex II; Figures 5 and 6) are distributed into 123 families and 486 genera. The most representative families are: Fabaceae (120 spp.); Poaceae (71); Cyperaceae (53); Rubiaceae (52); Asteraceae (50); Melastomataceae and Myrtaceae (42); Euphorbiaceae (30); Apocynaceae (29); Eriocaulaceae and Malvaceae (27); Bignoniaceae and Lamiaceae (24); Malpighiaceae (22). The 14 families mentioned above comprise more than 56% of the species that make up the EESGT list of Angiosperm species, while the remaining 109 families contributed with less than 22 species each. The richest genera were: *Chamaecrista* (21 species.); *Myrcia* (18); *Eugenia* and *Paspalum* (17); *Mimosa* (16); *Rhynchospora* and *Xyris* (15); *Polygala* (13); *Miconia*, *Byrsonima* and *Syngonanthus* (12). Gymnosperms were not found in the survey.

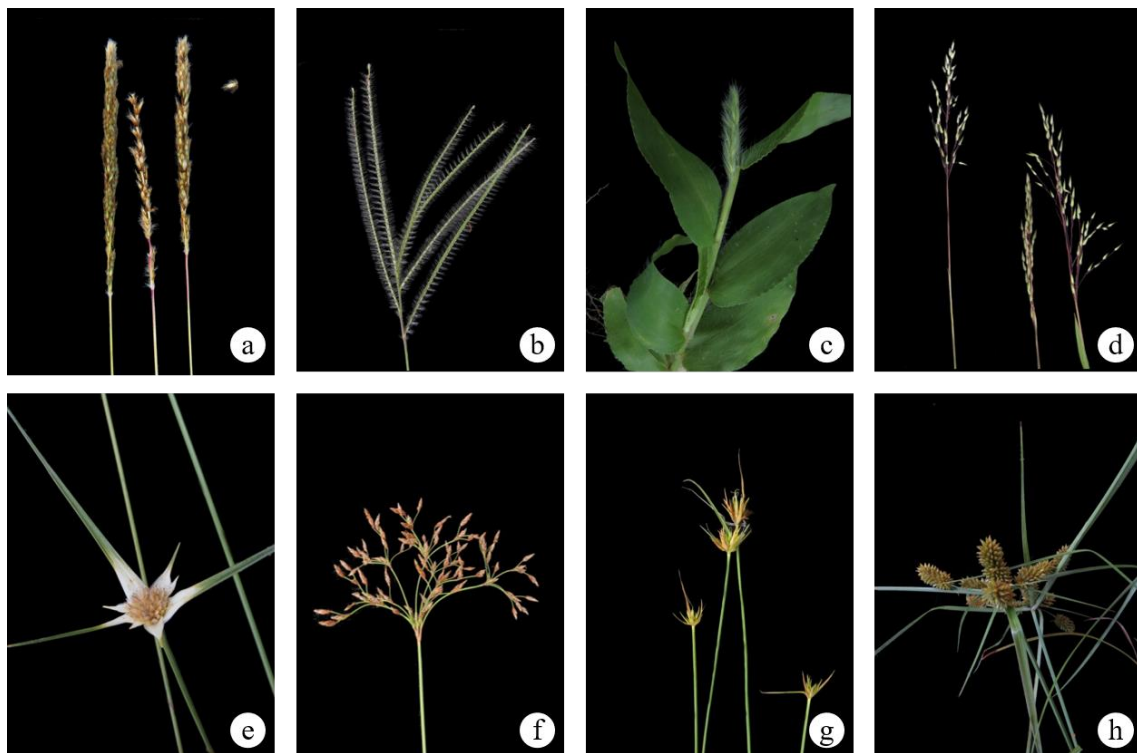


Figure 5. Representatives of Angiosperms found at the EESGT. a) *Eriochrysis* sp. b) *Axonopus aureus*. c) *Ichnanthus* sp. d) *Arthropogon villosus*. e) *Rhynchospora* sp.1. f) *Bulbostylis junciformis*. g) *Rhynchospora* sp.2. h) *Cyperus* sp. (Photos: Marcelo Fragomeni Simon).



Figure 6: Representatives of Angiosperms found at the EESGT. **a)** *Distimake digitatus* **b)** *Passiflora mansoi* **c)** *Chamaecrista desvauxii* **d)** *Utricularia subulata* **e)** *Copaifera marginata* **f)** *Periandra heterophylla* **g)** *Renealmia dermatopetala* **h)** *Zephyranthes sylvatica* **i)** *Philcoxia goiasensis* **j)** *Cipura paludosa* **k)** *Odontadenia lutea* **l)** *Mimosa burchellii* **m)** *Casselia confertiflora* **n)** *Ipomoea batatoides* **o)** *Acisanthera uniflora* **p)** *Syngonanthus reclinatus* (Photos: Marcelo Fragomeni Simon).

Species with high conservation value and new occurrence records

Among the species compiled in the EESGT, 1004 had no threat status assessed by the CNCFlora, and only 127 species achieved any assessment (Annex III): two species were classified as CR (Critically Endangered) - *Encholirium disjunctum* Forzza, *Pseudotrimezia juncifolia* (Klatt) Lovo & A.Gil; nine species as EN (Endangered) - *Comanthera elegans* (Bong.) L.R.Parra & Giul., *Hyptidendron conspersum* (Benth.) Harley, *Ouratea acicularis* R.G.Chacon & K.Yamam., *Polygala monosperma* A.W.Benn., *Stachytarpheta integrifolia* (Pohl) Walp., *Staelia tocaninsiana* R.M.Salas & E.L.Cabral, *Strophopappus bicolor* DC., *Turnera pinifolia* Cambess., and *Xyris goyazensis* Malme.; nine as VU (Vulnerable) - *Anemia trichorhiza* Gardner, *Attalea barreirensis* Glassman, *Axonopus fastigiatus* (Nees ex Trin.) Kuhl., *Cereus mirabella* N.P.Taylor, *Chamaecrista coradinii* H.S. Irwin & Barneby, *Discocactus catingicola* Buining & Brederoo, *Homalolepis glabra* (Engl.) Devecchi & Pirani, *Hyptis arenaria* Benth. and *Pfaffia minarum* Pedersen.; eight species as NT (Near Threatened); 87 species as LC (Least concern); and ten species as DD (Data deficient). For nomenclatural reasons, two species received more than one status: *Rhynchospora tenuis* LC/EN, due to one of its synonyms, *R. enmanuelis*, having been classified as EN; and *Struthanthus flexicaulis*, whose synonyms *S. microstylus* (CR), *S. pusilifolius* (EN) and *S. rufo-furfuraceus* (DD) received different classifications (Annex III). As these names are currently synonymous, the two accepted taxa demand a new threat assessment.

Sixteen species (Annexes I and II) were recorded among those considered endemic to the Matopiba region, according to the list produced by Santana & Simon (2022). A total of 245 new occurrences of species were recorded for the states in which the EESGT is located, 23 for Bahia and 222 for Tocantins (Annex IV).

DISCUSSION

Our results indicate a high floristic richness of the Serra Geral do Tocantins Ecological Station with 1131 cataloged species, but a still low number considering the UC extension area and other locations better explored botanically in the Cerrado.

Comparing the list of the present study with floristic surveys of other UCs of the Cerrado biome, the Ecological Reserve of the Brazilian Institute of Geography and Statistics (RECOR), comprising an area of 13 km², in the Federal District, has a list with 1801 species of native and exotic plants (RECOR, 2011). Munhoz & Proença (1998) documented 1310 species in an area of about 2406 km², in Chapada dos Veadeiros, Goiás. In the geographically closest Chapada das Mesas National Park (1600 km²; Maranhão) a total of 242 species in 181 genera and 64 families were recorded (Saraiva et al., 2020). Although we have documented 1131 species in a much larger area of 7160 km², we consider this list reasonable in terms of accumulated knowledge, considering that expeditions have only intensified in the last four years.

In order to place our results in the context of other studies, we highlight here previous surveys that sampled the flora of the Jalapão region. Scariot et al. (2002), carrying out a floristic survey in the area surrounding the Parque Estadual do Jalapão (PEJ), located north of the EESGT, recorded 235 species distributed in 72 families. Silva et al. (2017) carried out a study in the veredas of the EESGT, recording 213 species, distributed in 49 families. Antar & Sano (2019) carried out an inventory with emphasis on the grassland and savanna physiognomies of Jalapão (excluding habitats with rocky soil), compiling a list of 550 species of Angiosperms, which were collected in several areas of Jalapão, including the PEJ and EESGT. Although these studies are of great regional relevance, the present study undertook a more comprehensive collecting effort, aiming to cover not only the maximum area of the largest Ecological Station and second largest UC in the Cerrado (CNUC, 2021), but also: different groups of plants (Ferns, Lycophytes and Angiosperms); various life forms (herbs, shrubs, subshrubs, trees, lianas/vines, palms, succulents and dracenoids); different substrates (aquatic, epiphyte, hemiepiphyte, parasite, hemiparasite, rupicolous, saprophyte and terrestrial); and in all the physiognomies that make up the EESGT landscape, which were not included in the other studies mentioned above.

Although other collectors carried out botanical collections in the EESGT, the Bahian portion of the UC (in Formosa do Rio Preto) was better sampled by the present study. From our database, we obtained 326 records of collections carried out by the Embrapa Cenargen team and only 131 records of secondary data, showing a 72% increase in collections in the Bahian territory, where the highest concentrations of forest physiognomies and Cerrado Denso occur.

Among the 3621 collections compiled in the UC, we observed a high number of specimens that were not determined (1020; 28%) at the species level. The review of these materials deposited in herbaria, and their identification at the species level, may provide new records for the EESGT, thus expanding the checklist of this UC.

Only a small fraction (11%) of the species listed for the EESGT were formally assessed for their degree of threat by CNCFlora, which corroborates the lack of knowledge about the degree of threat for species from the Matopiba region (Santana & Simon 2022). Even so, our survey increased the number of occurrence records for endemic and threatened species, which contributed to a better understanding of the geographic distribution and protection status of these species. Species endemic to the Matopiba (Santana & Simon, 2022), an agricultural frontier that threatens the biodiversity of the Cerrado, that had already been recorded in other UCs and that are now also registered in the EESGT include: *Axonopus fastigiatus*, *Duguetia rotundifolia*, *Calea purpurea*, *Chamaecrista pauciflora*, *Hyptidendron conspersum*, *Helicteres krapovickasii*, *Homalolepis rigida*, *Mandevilla abortiva*, *Mimosa flabellifolia*, *Ouratea acicularis* and *Turnera fasciculifolia*. In addition to being endemic to the Matopiba, *Annona gardneri*, *Chamaecrista coradinii*, *Phyllanthus allemii* and *Qualea hannekesaskiarum* are recorded for the first time in a UC. New records for *Phyllanthus allemii* obtained by our collecting team allowed a better assessment of its conservation status (Mendes et al., 2022). This species was known only from the type specimen collected in 1984. We also obtained important records of species considered rare, eg. those with few records in the in the Jalapão region, such as: *Agarista oleifolia*, *Bernardia gardneri*, *Casearia mestrensis*, *Cordia weddellii*, *Cybianthus guyanensis*, *Dolioscarpus elliptifolius*, *Medusantha multiflora*, *Micropholis guyanensis*, *Pitcairna ensifolia*, *Pitcairna torresiana*, *Raddiella esenbeckii*, *Rhabdodendron gardnerianum*, *Sida silvaniana*, *Sloanea sinemariensis*, *Strophopappus bicolor*, *Vellozia bulbosa*, *Vellozia glochidea*, *Waltheria excelsa* and *Zygia cataractae*.

We also recorded several species that are little known, or that have been described in the last years, such as: *Anemia areniticola* (Pereira et al., 2022; Anemiaceae); *Dioscorea compacta* (Araújo et al., 2016; Dioscoreaceae), *Chamaecrista pauciflora* (Matos et al., 2019; Fabaceae); *Homalolepis rigida* (Devecchi & Pirani 2018; Simaroubaceae), *Mimosa flabellifolia* (Borges & Antar 2016; Fabaceae), *Turnera fasciculifolia* (Rocha et al., 2020) and *Turnera macrosperma* (Rocha & Arbo 2020; Turneraceae). According to plant specialists contacted, we have listed some likely new species for the following genera: *Blechnum*, *Bonamia*, *Ctenium*, *Chamaecrista*, *Manihot*, *Microlicia*, *Miconia*, *Mimosa*, *Paepalanthus* and *Tibouchina*. Thus, more than ten probable new species for the Jalapão region were recorded, corroborating the results of a recent study that highlights the region as a major cradle for discoveries of new plant species (Santana & Simon, 2022).

The present work brings important records about rare, threatened, endemic, newly described, and potentially new species, as well as new species occurrences for Bahia and Tocantins states, thus increasing the knowledge on the Jalapão flora. This survey provides relevant information to support biodiversity management and conservation actions in the Jalapão region, in addition to highlighting the role of the EESGT in preserving the flora in a region where the agricultural frontier is rapidly advancing.

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REFERENCES

Aloísio GR, Oliveira FG, Angelini R (2005) Fish, State Park of Jalapão, State of Tocantins, Brazil. Check List, 1(1): 10-13 doi: 10.15560/1.1.10

Alvares CA, Stape JL, Sentelhas PC, Gonçalves JLM, Sparovek G (2014) Köppen's climate classification map for Brazil. Meteorologische Zeitschrift, 22: 711-728. doi:10.1127/0941-2948/2013/0507

Antar GM & Sano PT (2019) Angiosperms of dry grasslands and savannahs of Jalapão, the largest conserved Cerrado area in Brazil. Rodriguésia, 70: e04002017. doi: 10.1590/2175-7860201970070

Antonelli A & Sanmartin I (2011) Why are there so many plant species in Neotropics? Taxon, 60(2): 403-414.

Araújo D, Antar GM, Lombardi JA (2016) *Dioscorea compacta* (Dioscoreaceae), a new endangered dwarf species from the Jalapão region, Tocantins, Brazil. Kew Bulletin, 71: 27. doi:10.1007/s12225-016-9635-8

Araújo MLS, Sano EE, Bolfe ÉL et al. (2019) Spatiotemporal dynamics of soybean crop in the Matopiba region, Brazil (1990–2015). Land Use Policy, 80: 57–67. <https://doi.org/10.1016/j.landusepol.2018.09.040>

Barradas ACS, Borges MA, Costa MM, Ribeiro KT (2020) Paradigmas da gestão do fogo em áreas protegidas no mundo e o caso da Estação Ecológica Serra Geral do Tocantins. Biodiversidade Brasileira, 10: 71-86. doi:10.37002/biobrasil.v10i2.1474

Borges LM & Antar GM (2016) Four they are! Broadening the description of *Mimosa flabellifolia* (Leguminosae Mimosoideae), a rare species from the Brazilian Cerrado. Phytotaxa, 243: 155-162.

Brasil. Cadastro Nacional de Unidades de Conservação (2021). Brasília. Disponível em: <https://dados.gov.br/dataset/unidadesdeconservacao/resource/1f50ca6b-Tf045-4c79-b172-33c58a59e667>. Acesso em 28/05/2022.

Carvalho GH, Cianciaruso M, Batalha M (2010) Software, Data and Modelling News: Plantminer: A web tool for checking and gathering plant species taxonomic information. Environmental Modelling & Software, 25: 815-816 doi:10.1016/j.envsoft.2009.11.014

Devecchi MF, Thomas WW, Pirani JR (2018) Taxonomic revision of the neotropical genus *Homalolepis* Turcz. (Simaroubaceae) Phytotaxa, 366: 86. doi:10.11646/phytotaxa.366.1.1

Filgueiras TS (1994) Caminhamento: um método expedito para levantamentos florísticos qualitativos. Cadernos de Geociências, 12: 39-43.

Instituto Brasileiro de Geografia e Estatística (2012). Manual técnico da vegetação brasileira p.188-217.

Lima FCT & Caires RA (2011) Fishes from the Serra Geral do Tocantins Ecological Station, Rio Tocantins and Rio São Francisco basins, with remarks on the biogeographical implications of the common headwater between the Rio Sapão and Rio Galheiros. Biota Neotropica, 11(1): <http://www.biotaneotropica.org.br/v11n1/en/abstract?article+bn03411012011>.

Lima NE, Carvalho AA, Lima-Ribeiro MS, Manfrin MH (2018) Caracterização e história biogeográfica dos ecossistemas secos neotropicais. Rodriguésia, 69(04): 2209-2222. doi: 10.1590/2175-7860201869445

Martinelli G & Moraes MA (2013) Livro Vermelho da Flora do Brasil. Disponível em: <http://cncflora.jbrj.gov.br/portal> Acesso em: 16 out. 2022.

Matos RG, Souza AO, Silva MJ (2019) *Chamaecrista pauciflora* (Fabaceae) a new species from the lowlands of the state of Tocantins, Brazil. Phytotaxa, 42(3): 234. doi.org/10.11646/phytotaxa.422.3.3

Mendes JCR, Figueira M, Schindler B, Noronha SE, Simon MF, Sales MF, Athiê-Souza SM (2022) Novelties in *Phyllanthus* (Phyllanthaceae) from the Brazilian cerrado: new records of the rare species *P. allemii*. Phytotaxa, 538(2): 149-156. doi.org/10.11646/phytotaxa.538.2.7

Mittermeier RA, Turner WR, Larsen FW, Brooks TM, Gascon C (2011) Global biodiversity conservation: the critical role of hotspots. In: Zachos E & Habel JC (eds.) Biodiversity hotspots. Springer Publishers, London. p. 3-22

Munhoz CBR & Proença CEB (1998). Composição florística do município de Alto Paraíso de Goiás na Chapada dos Veadeiros. Boletim do Herbário Ezechias Paulo Heringer, 3.

Nogueira C, Ferreira MN., Recoder RS, Carmignotto APC, Valdujo PH, Lima FCT, Gregorin R, Silveira LF, Rodrigues MT (2011) Vertebrate fauna of Estação Ecológica Serra Geral do Tocantins: biodiversity and conservation in the Brazilian Cerrado hotspot. Biota Neotropica, 11(1): doi.org/10.1590/S1676-06032011000100030.

Nogueira CC, Pinheiro M, Crema A (2013) Relatório do Projeto – Subsídios para o Plano Estratégico do Mosaico do Jalapão. 88p.

Oliveira U, Paglia AP, Soares-Filho BS, Brescovit AD (2017) Biodiversity conservation gaps in the Brazilian protected areas. *Scientific Reports*, 7: 9141. doi: 10.1038/s41598-017-08707-2

Orozoco-Filho JC (2017) Avaliação do Uso da Abordagem Orientada-Objeto com Imagens de Alta Resolução RapidEye na Classificação das Fitofisionomias do Cerrado. Tese de mestrado, Universidade de Brasília.

Plantminer (2022) Brazilian Flora 2020 – Flora R package frontend. Disponível em: <http://www.plantminer.com/>> Acesso em: 6 out. 2022.

Proença CEB Sampaio AB, Silva LH, Milhomens LC, Simon MF, Simpson PL, Farias R (2002) Relatório de Botânica. In: Arruda, M.B. & von Behr, M. (Org.). Jalapão: expedição científica e conservacionista. Brasília: IBAMA, v. p. 21-28.

Recoder RS, Teixeira Junior M, Camacho A, Nunes PMS, Mott T, Valdujo PH, Ghellere JM, Nogueira C, Rodrigues MT (2011) Reptiles of Serra Geral do Tocantins Ecological Station, Central Brazil. *Biota Neotropica*, 11(1): doi.org/10.1590/S1676-06032011000100026

Rego MA, Silveira LF, Piacentini VDQ, Schunck F, Machado E, Pinheiro RT, Reis E (2011). As aves da Estação Ecológica Serra Geral do Tocantins, Centro do Brasil. *Biota Neotropica*, 11: doi.org/10.1590/S1676-06032011000100027.

Ribeiro JF, Walter BMT (2008) As principais fitofisionomias do bioma Cerrado. In: Sano SM, Almeida SP & Ribeiro JF (eds.) *Cerrado: ecologia e flora*. 2ª ed. Embapa Cerrados.

IBGE (2011) Reserva Ecológica do IBGE, Coordenação de Recursos Naturais e Estudos Ambientais; ML Ribeiro, organizador. - Rio de Janeiro: IBGE.

Pereira JBS, Nunes MG, Labiak PH (2022) Novelties in the *Anemia elegans* Clade (Anemiaceae), with a New Species and Nothospecies from Brazil. *Systematic Botany*, 47(3): 840-845. Doi:10.1600/036364422X16573019348364

Rocha L & Arbo MM (2020) A new species of *Turnera* (Turneraceae, Passifloraceae s.l.) from the Brazilian Cerrado. *Systematic Botany*, 45(4): 826-832. doi: 10.1600/036364420X16033963649309

Rocha L, Ribeiro PL, Arbo MM (2020) *Turnera fasciculifolia* (Turneraceae, Passifloraceae s.l.): a new species from the Jalapão region, Tocantins, Brazil. *Systematic Botany*, 45(4):833-838. doi:10.1600/036364420X16033962925286

Sano EE, Rodrigues AA, Martins ES, Bettiola GM, Bustamante MMC, Bezerra AS, Couto Jr. AF, Vasconcelos V, Schülerb J, Bolfe EL (2019) Cerrado ecoregions: A spatial framework to assess and prioritize Brazilian savanna environmental diversity for conservation. *Journal of Environmental Management* 232: 818-828. doi: 10.1016/j.jenvman.2018.11.108

Santana JCO & Simon MF (2022) Plant diversity conservation in agricultural frontier in the Brazilian Cerrado. *Biodiversity and Conservation*, 31: 667–681. doi: 10.1007/s10531-022-02356-2

Saraiva RVC, Leonel LV, Reis FF, Figueiredo FAMMA, Reis FO, Sousa JRP, Muniz FH, Ferraz TM (2020) Cerrado physiognomies in Chapada das Mesas National Park (Maranhão, Brazil) revealed by patterns of floristic similarity and relationships in a transition zone. *Anais da Academia Brasileira de Ciências*, 92(2): e20181109 doi: 10.1590/0001-3765202020181109

Scariot A, Cavalcanti TB, Sevilha AC, Sampaio AB, Carvalho-Silva M, Silva GP (2003) Flora e vegetação do entorno do Parque Estadual do Jalapão (TO). *Série Documentos*, Embrapa.

Silva DP, Amaral AG, Bijos NR, Munhoz CBR (2017) Is the herb-shrub composition of veredas (Brazilian palm swamps) distinguishable? *Acta Botanica Brasílica*, 32(1): 47-54. doi: 10.1590/0102-33062017abb0209

Valdujo PH, Camacho A, Recoder RS, Teixeira Junior M, Ghellere JMB, Mott T, Nunes PMS, Nogueira C, Rodrigues MT (2011) Amphibians from Estação Ecológica Serra Geral do Tocantins, Jalapão region, Tocantins and Bahia States. *Biota Neotropica*, 11(1). doi.org/10.1590/S1676-06032011000100025

Villela FNJ & Nogueira C (2011) Geologia e geomorfologia da estação ecológica Serra Geral do Tocantins. *Biota Neotropica* 11(1). doi: 10.1590/S1676-06032011000100023

Annex I. Ferns and Lycophytes collected at the ESEC Serra Geral do TO listed alphabetically by family and species name, including voucher information (collector's name, collection number and date, determiner, life form, substrate and Herbarium).

Ferns and Lycophytes - Family/Species	Voucher						
	Collector's name	Collection number	Collection date	Determined by	Life form	Substrate	Herbarium
Anemiaceae							
<i>Anemia andersonii</i> Mickel & Labiak	Schindler, B	396	19/03/2022	Labiak, PH	Herb	Rupicolous	CEN
<i>Anemia arenitcola</i> Pereira et al.	Schindler, B	29	26/02/2021	Labiak, PH	Herb	Rupicolous	CEN
<i>Anemia humilis</i> (Cav.) Sw.	Schindler, B	205	20/06/2021	Labiak, PH	Herb	Rupicolous	CEN
<i>Anemia presliana</i> Prantl	Schindler, B	28	26/02/2021	Labiak, PH	Herb	Rupicolous	CEN
<i>Anemia trichorhiza</i> Gardner	Schindler, B	207	20/06/2021	Labiak, P & Nunes, MG	Herb	Rupicolous	CEN
Indeterminada	Labiak, PH	5896	06/03/2015	Labiak, PH	Herb	Rupicolous	RB
Blechnaceae							
<i>Blechnum polypodioides</i> Raddi	Caxambu, MG	3209	02/08/2010	Labiak, PH	Herb	Terrestrial	HCF
<i>Telmatoblechnum serrulatum</i> (Rich.) Perrie, D.J. Ohlsen & Brownsey	Simon, MF	3532	05/10/2018	Walter, BMT	Herb	Terrestrial	CEN
<i>Blechnum</i> sp.	Schindler, B	45	02/03/2021	Schindler, B	Herb	Terrestrial	CEN
Cyatheaceae							
<i>Cyathea delgadii</i> Sternb.	Schindler, B	364	15/03/2021	Dittrich, VAO	Subshrub	Terrestrial	CEN
<i>Cyathea myriotricha</i> (Baker) R.C.Moran & J.Prado	Schindler, B	44	02/03/2021	Schindler, B & Dittrich, VAO	Herb	Rupicolous	CEN
<i>Cyathea pungens</i> (Willd.) Domin	Schindler, B	366	15/03/2022	Schindler, B	Subshrub	Terrestrial	CEN
Dryopteridaceae							
<i>Cyclodium meniscioides</i> (Willd.) C.Presl	Schindler, B	46	02/03/2021	Schindler, B & Dittrich, VAO	Herb	Hemiepífita	CEN
<i>Parapolystichum effusum</i> (Sw.) Ching	Forzza, RC	8533	04/03/2015	Salino, A	Herb	Terrestrial	UPCB
Gleicheniaceae							

<i>Dicranopteris flexuosa</i> (Schrad.) Underw.	Figueira, M	1059	09/08/2019	Schindler, B	Herb	Rupicolous	CEN
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Hymenophyllaceae

<i>Trichomanes pilosum</i> Raddi	Schindler, B	363	15/03/2022	Gonzatti, F	Herb	Epiphyte, Rupicolous, Terrestrial	CEN
<i>Trichomanes pinnatum</i> Hedw.	Schindler, B	35	28/02/2021	Schindler, B	Herb	Terrestrial	CEN
<i>Didymoglossum punctatum</i> (Poir.) Desv.	Lima, DPO	53	16/06/2010		Herb	Epiphyte, Rupicolous	RB

Lindsaeaceae

<i>Lindsaea stricta</i> (Sw.) Dryand.	Figueira, M	1064	09/08/2019	Schindler, B	Herb	Rupicolous	CEN
<i>Lindsaea</i> sp.	Schindler, B	190	15/06/2021	Schindler, B	Herb	Rupicolous	CEN

Lycopodiaceae

<i>Lycopodiella longipes</i> (Grev. & Hooker) Holub	Schindler, B	188	15/06/2021	Dittrich, VAO	Herb	Terrestrial	CEN
<i>Lycopodium</i> sp.	Santos, ER	2664	23/11/2020		Herb	Terrestrial	HUTO
<i>Palhinhaea cf. camporum</i> (B. Øllg. & P.G. Windisch) Holub	Figueira, M	1060	09/08/2019	Schindler, B	Herb	Terrestrial	CEN
<i>Palhinhaea cernua</i> (L.) Franco & Vasc.	Silva, DP	91	04/11/2014		Herb	Terrestrial	UB

Lygodiaceae

<i>Lygodium venustum</i> Sw.	Labiak, PH	5887	05/03/2015	Arana, M	Herb	Terrestrial	RB
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Marattiaceae

<i>Danaea</i> sp.	Schindler, B	367	15/03/2022	Schindler, B	Herb	Terrestrial	CEN
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Metaxyaceae

<i>Metaxya</i> sp.	Schindler, B	43	02/03/2021	Schindler, B	Herb	Terrestrial	CEN
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Microteaceae

<i>Microtea celosoides</i> Moq. ex Sennikov & Sukhor.	Figueira, M	1697	25/02/2021	Figueira, M	Herb	Terrestrial	CEN
<i>Microtea</i> sp.	Labiak, PH	5836	03/03/2015	Labiak, PH	Herb	Terrestrial	UPCB
Nephrolepidaceae							
<i>Nephrolepis biserrata</i> (Sw.) Schott	Schindler, B	33	28/02/2021	Schindler, B	Herb	Epiphyte, Rupicolous, Terrestrial	CEN
Pteridaceae							
<i>Adiantum serratodentatum</i> Willd.	Schindler, B	32	27/02/2021	Schindler, B & Figueira, M	Herb	Terrestrial	CEN
<i>Adiantum sinuosum</i> Gardner	Schindler, B	30	26/02/2021	Schindler, B & Dittrich, VAO	Herb	Terrestrial Rupicolous,	CEN
<i>Cheilanthes pohliana</i> Mett.	Schindler, B	376	16/03/2022	Schindler, B	Herb	Terrestrial	CEN
<i>Doryopteris concolor</i> (Langsd. & Fisch.) Kuhn & Decken	Caxambu, MG	3242	02/08/2010	Caxambu, MG	Herb	Rupicolous, Terrestrial	HCF
<i>Mineirella eriophora</i> (Fée) Ponce & Scataglioni	Schindler, B	206	20/06/2021	Ponce, MM	Herb	Rupicolous	CEN
<i>Pityrogramma calomelanos</i> (L.) Link	Schindler, B	191	15/06/2021	Schindler, B	Herb	Terrestrial Rupicolous,	CEN
Indeterminado	Labiak, PH	5899	06/03/2015	Labiak, PH	Herb	Terrestrial	RB
Schizaeaceae							
<i>Schizaea elegans</i> (Vahl) Sw.	Schindler, B	368	15/03/2022	Dittrich, VAO	Herb	Terrestrial	CEN
Selaginellaceae							
<i>Selaginella radiata</i> (Aubl.) Spring	Schindler, B	38	01/03/2021	Goés-Neto, L	Herb	Rupicolous, Terrestrial	CEN
<i>Selaginella</i> sp.	Souza, RR	220	15/03/2022	Schindler, B	Herb	Rupicolous, Terrestrial	CEN
Thelypteridaceae							
<i>Meniscium maxonianum</i> (A.R.Sm.) R.S.Fernandes & Salino	Figueira, M	1025	07/08/2019	Schindler, B	Herb	Terrestrial	CEN
<i>Meniscium</i> sp.	Schindler, B	374	16/03/2022	Schindler, B	Herb	Terrestrial	CEN

Annex II. Angiosperms collected at the ESEC Serra Geral do TO listed alphabetically by family and species name, including voucher information (collector's name, collection number and date, determiner, life form, substrate and Herbarium). * Endemic of Matopiba.

Angiosperms – Family/Specie	Voucher						
	Collector's name	Colection number	Collection date	Determined by	Life form	Substrate	Herbarium
Acanthaceae							
<i>Lepidagathis cyanea</i> (Leonard) Kameyama	Caxambu, MG	3227	02/08/2010	Barboza, E & Cordeiro, J	Subshrub	Terrestrial	HCF
<i>Lepidagathis montana</i> (Nees) Kameyama	Schindler, B	198	19/06/2021	Fernandes, UG	Shrub	Terrestrial	CEN
<i>Mendoncia hoffmannseggiana</i> Nees	Simon, MF	4157	26/02/2021	Walter, BMT	Liana/vine	Terrestrial	CEN
<i>Ruellia angustior</i> (Nees) Lindau	Pereira, A	55	06/08/2019	Walter, BMT	Subshrub	Terrestrial	CEN
<i>Ruellia densa</i> (Nees) Hiern	Walter, BMT	5244	10/08/2004	Walter, BMT	Subshrub	Terrestrial	CEN
<i>Ruellia geminiflora</i> Kunth	Lolis, SF	13	26/10/2000		Subshrub	Terrestrial	HTO
<i>Ruellia incomta</i> (Nees) Lindau	Souza, RR	162	20/06/2021	Walter, BMT	Subshrub	Terrestrial	CEN
<i>Ruellia trachyphylla</i> Lindau	Simon, MF	4062	26/02/2021	Walter, BMT	Subshrub	Terrestrial	SPF
Achariaceae							
<i>Lindackeria latifolia</i> Benth.	Mehlig, U	1425	12/09/2013	Ramos, JF	Shrub, Tree	Terrestrial	INPA
Alismataceae							
<i>Echinodorus</i> sp.	Figueira, M	1014	06/08/2019		Herb	Aquatic	CEN
<i>Sagittaria rhombifolia</i> Cham.	Souza, RR	110	17/06/2021	Walter, BMT	Herb	Aquatic	CEN
Alstroemeriaceae							
<i>Alstroemeria stenophylla</i> M.C.Assis	Antar, GM	410	16/03/2014	Assis, MC	Herb	Rupicolous, Terrestrial	SPF
Amaranthaceae							

<i>Alternanthera martii</i> R.E.Fr.	Antar, GM	417	13/04/2014	Antar, GM	Subshrub	Terrestrial	SPF
<i>Alternanthera sp.</i>	Figueira, M	1702	25/02/2021		Subshrub Herb,	Terrestrial	CEN
<i>Gomphrena agrestis</i> Mart.	Souza, RR	95	17/06/2021	Marchioretto, MS	Subshrub	Terrestrial	CEN
<i>Pfaffia minarum</i> Pedersen	Simon, MF	3752	08/08/2019	Marchioretto, MS	Subshrub Herb,	Terrestrial	CEN
<i>Pfaffia sericantha</i> (Mart.) Pedersen	Serra Geral - TO Equipe ESEC	53	07/08/2019	Walter, BMT Figueira, M & Schindler, B	Subshrub Herb,	Terrestrial	CEN
<i>Riencourtia tenuifolia</i> Gardner	Serra Geral - TO	97	17/01/2020		Subshrub	Terrestrial	CEN

Amaryllidaceae

<i>Zephyranthes sylvatica</i> (Mart. ex Schult. & Schult.f.) Baker	Simon, MF	3500	04/10/2018	Amaral-Lopes, AC	Herb	Terrestrial	CEN
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Anacardiaceae

<i>Anacardium humile</i> A.St.-Hil.	Paula-Souza, J	9121	07/10/2007	Pirani, JR	Tree	Terrestrial	SPF
<i>Anacardium occidentale</i> L.	Antar, GM	460	17/09/2014	Antar, GM	Tree	Terrestrial	CEN
<i>Astronium fraxinifolium</i> Schott	Souza, RR Equipe ESEC	180	21/06/2021	Figueira, M	Tree	Terrestrial	CEN
<i>Tapirira guianensis</i> Aubl.	Serra Geral - TO	1	06/08/2019	Simon, MF	Tree	Terrestrial	CEN
<i>Tapirira retusa</i> Ducke	Paula-Souza, J	9100	07/10/2007	Rando, JG	Tree	Terrestrial	SPF

Annonaceae

<i>Annona aurantiaca</i> Barb.Rodr.	Souza, RR	69	17/06/2021	Simon, MF	Shrub	Terrestrial	CEN
<i>Annona crassiflora</i> Mart.	Souza, RR Equipe ESEC	29	15/06/2021	Schindler, B	Tree	Terrestrial	CEN
<i>Annona dioica</i> A.St.-Hil.	Serra Geral - TO	57	07/08/2019	Walter, BMT	Shrub	Terrestrial	CEN
<i>Annona gardneri</i> R.E.Fr. *	Simon, MF	4064	26/02/2021	Schindler, B	Shrub	Terrestrial	CEN
<i>Annona malmeana</i> R.E.Fr.	Antar, GM	280	29/10/2013	Lopes, JC	Shrub Shrub,	Terrestrial	HUEFS
<i>Annona tomentosa</i> R.E.Fr.	Góes, BTM	167	08/11/2015	Lopes, JC	Subshrub	Terrestrial	IBGE
<i>Duguetia furfuracea</i> (A.St.-Hil.) Saff.	Simon, MF	4083	26/02/2021	Schindler, B	Tree	Terrestrial	CEN
<i>Duguetia marcgraviana</i> Mart.	Souza, RR	177	20/06/2021	Walter, BMT	Tree	Terrestrial	CEN

<i>Duguetia rotundifolia</i> R.E.Fr. *	Antar, GM	536	21/09/2014	Mello-Silva, R	Tree	Terrestrial	CEN
<i>Guatteria</i> sp.	Arnaldo et al.	1888	01/12/1999		Tree	Terrestrial	HTO
<i>Oxandra sessiliflora</i> R.E.Fr.	Amorim, AM	9264	04/03/2015	Mendes-Silva, J	Shrub, Tree	Terrestrial	W
<i>Xylopia aromatica</i> (Lam.) Mart.	Simon, MF	3483	04/10/2018	Simon, MF	Shrub, Tree	Terrestrial	RB
<i>Xylopia emarginata</i> Mart.	Souza, RR	151	19/06/2021	Simon, MF	Tree	Terrestrial	CEN

Apiaceae

<i>Eryngium ebracteatum</i> Lam.	Souza, RR	18	15/06/2021	Schindler, B	Herb	Terrestrial	CEN
<i>Eryngium juncifolium</i> (Urb.) Mathias & Constance	Caxambu, MG	3243	02/08/2010	Cardozo, AL	Herb	Terrestrial	HCF
<i>Eryngium pristis</i> Cham. & Schldtl.	Caxambu, MG	3207	02/08/2010	Cardozo, AL	Herb	Rupicolous, Terrestrial	HCF

Apocynaceae

<i>Allamanda salicifolia</i> (Willd. ex Roem. & Schult.) J.F.Morales	Schindler, B	195	17/06/2021	Walter, BMT	Shrub	Terrestrial	CEN
<i>Aspidosperma brasiliense</i> A.S.S.Pereira & A.C.D.Castello	Santos, PP	260	10/04/2018	Coutinho, TS	Tree	Terrestrial	CEN
<i>Aspidosperma macrocarpon</i> Mart. & Zucc.	Souza, RR	261	16/03/2022	Simon, MF	Tree	Terrestrial	CEN
<i>Aspidosperma tomentosum</i> Mart. & Zucc.	Simon, MF	3407	02/10/2018	Simon, MF	Tree	Terrestrial	CEN
<i>Barjonia</i> sp.	Scheidegger, NMB	80	07/08/2019		Herb, Subshrub	Terrestrial	CEN
<i>Blepharodon amazonicum</i> (Benth.) Fontella	Simon, MF	4107	27/02/2021	Walter, BMT	Liana/vine	Terrestrial	CEN
<i>Blepharodon bicolor</i> Decne.	Farias, R	413	04/05/2001	Milhomens, LC	Liana/vine	Terrestrial	CEN
<i>Blepharodon lineare</i> (Decne.) Decne.	Simon, MF	3973	24/02/2021	Figueira, M	Herb	Terrestrial	CEN
<i>Forsteronia affinis</i> Müll.Arg.	Souza, RR	282	19/03/2022	Rapini, A	Liana/vine	Terrestrial	CEN
<i>Hancornia speciosa</i> Gomes	Simon, MF	3541	05/10/2018	Simon, MF	Tree	Terrestrial	CEN
<i>Hemipogon</i> sp.	Verdi, M	7819	14/01/2020	Rapini, A	Herb, Subshrub	Terrestrial	RB
<i>Himatanthus articulatus</i> (Vahl) Woodson	Haidar, RF	1126	12/11/2008	Haidar, RF	Tree	Terrestrial	HUTO
<i>Himatanthus drasticus</i> (Mart.) Plumel	Souza, RR	310	19/03/2022	Walter, BMT	Tree	Terrestrial	CEN
<i>Himatanthus obovatus</i> (Müll. Arg.) Woodson	Simon, MF	3399	02/10/2018	Simon, MF	Tree	Terrestrial	CEN

<i>Mandevilla abortiva</i> J.F.Morales *	Equipe ESEC Serra Geral - TO	16	06/08/2019	Walter, BMT & Pereira, JB	Liana/vine	Terrestrial	CEN
<i>Mandevilla illustris</i> (Vell.) Woodson	Antar, GM	743	31/05/2015	Antar, GM	Subshrub	Terrestrial	SPF
<i>Mandevilla scabra</i> (Hoffmanns. ex Roem. & Schult.) K.Schum.	Simon, MF	4247	19/03/2022	Rapini, A	Liana/vine	Terrestrial	CEN
<i>Mandevilla tenuifolia</i> (J.C.Mikan) Woodson	Simon, MF	4049	26/02/2021	Simon, MF	Liana/vine, Subshrub	Rupicolous, Terrestrial	CEN
<i>Marsdenia</i> sp.	Árbocz, GF	6254	29/10/1998	Silva, MA	Liana/vine	Terrestrial	HTO
<i>Minaria acerosa</i> (Mart.) T.U.P.Konno & Rapini	Simon, MF	4025	25/02/2021	Simon, MF	Shrub	Terrestrial	CEN
<i>Minaria cordata</i> (Turcz.) T.U.P.Konno & Rapini	Souza, RR	195	15/03/2022	Rapini, A	Subshrub	Rupicolous, Terrestrial	CEN
<i>Minaria micromeria</i> (Decne.) T.U.P.Konno & Rapini	Souza, RR	73	17/06/2021	Rapini, A	Subshrub Herb, Subshrub	Terrestrial	CEN
<i>Nephradenia acerosa</i> Decne.	Simon, MF	3991	24/02/2021	Coutinho, TS	Subshrub	Terrestrial	CEN
<i>Odontadenia geminata</i> (Hoffmanns. ex Roem. & Schult.) Müll.Arg.	Scatinga, AV	129	05/08/2012	Simões, AO	Liana/vine	Terrestrial	UEC
<i>Odontadenia hypoglauca</i> Müll.Arg.	Simon, MF	4244	19/03/2022	Walter, BMT	Liana/vine Shrub, Subshrub	Terrestrial	CEN
<i>Odontadenia lutea</i> (Vell.) Markgr.	Souza, RR	84	17/06/2021	Rapini, A	Subshrub	Terrestrial	CEN
<i>Odontadenia nitida</i> (Vahl) Müll.Arg.	Scatigna, AV	128	05/08/2012	Rapini, A	Liana/vine	Terrestrial	HUEFS
<i>Petalostelma martianum</i> (Decne.) E.Fourn.	França, F	3275	29/04/2000	Konno, TUP	Liana/vine	Terrestrial	SPF
<i>Tassadia propinqua</i> Decne.	Forzza, RC	8493	03/03/2015	Rapini, A	Subshrub	Terrestrial	HUEFS
Apodanthaceae							
<i>Pilostyles blanchetii</i> (Gardner) R.Br.	Figueira, M	1698	25/02/2021	Figueira, M	Herb	Parasite	CEN
Aquifoliaceae							
<i>Ilex affinis</i> Gardner	Figueira, M	1688	24/02/2021	Figueira, M & Schindler, B	Shrub, Tree	Terrestrial	CEN
<i>Ilex conocarpa</i> Reissek	Sampaio, AB	372	03/05/2021	Santos, FFM	Shrub, Tree	Terrestrial	CEN
<i>Ilex inundata</i> Poepp. ex Reissek	Simon, MF	4115	27/02/2021	Simon, MF	Tree	Terrestrial	CEN
Araceae							

<i>Anthurium</i> sp.	Souza, RR	112	17/06/2021		Herb	Terrestrial	CEN
<i>Philodendron brevispathum</i> Schott	Simon, MF	4113	27/02/2021	Simon, MF	Herb	Hemiepiphyte	CEN
<i>Philodendron propinquum</i> Schott	Caxambu, MG	3155	01/08/2010	Temponi, LG & Poli, LP	Herb	Hemiepiphyte	HCF
<i>Philodendron wulfschlaegelii</i> Schott	Sampaio, AB	505	07/05/2021	Gonçalves, EG	Herb	Hemiepiphyte, Terrestrial	UB
<i>Philonotia</i> sp.	Faria, Jr, JE	354	20/09/2008		Herb	Terrestrial	UB
<i>Taccarum crassispathum</i> E.G.Gonç.	Simon, MF	4119	27/02/2021	Simon, MF	Herb	Rupicolous, Terrestrial	CEN
<i>Thaumatophyllum dardanianum</i> (Mayo) Sakur., Calazans & Mayo	Silva, DF	10	02/11/2014		Herb	Aquatic, Rupicolous	UB
<i>Thaumatophyllum uliginosum</i> (Mayo) Sakur., Calazans & Mayo	Caxambu, MG	3183	01/08/2010	Cordeiro, J & Barboza, E	Herb	Aquatic, Rupicolous	HCF
<i>Urospatha edwallii</i> Engl.	Góes, BTM	176	08/11/2015	Calazans, LSB	Herb	Aquatic, Terrestrial	RB
<i>Urospatha sagittifolia</i> (Rudge) Schott	Forzza, RC	8488	03/03/2015	Calazans, LSB	Herb	Aquatic, Terrestrial	RB

Araliaceae

<i>Didymopanax burchellii</i> Seem.	Antar, GM	715	30/01/2015	Fiaschi, P	Tree	Terrestrial	SPF
<i>Didymopanax vinosus</i> (Cham. & Schltld.) Marchal	Souza, RR	129	18/06/2021	Simon, MF	Shrub	Terrestrial	CEN

Arecaceae

<i>Acrocomia</i> sp.	Melo, MS	190	17/01/2018		Palm	Terrestrial	UB
<i>Allagoptera leucocalyx</i> (Drude) Kuntze	Martins, RC	239	25/04/2001	Martins, RC	Palm	Terrestrial	UB
<i>Astrocaryum campestre</i> Mart.	Simon, MF	3471	04/10/2018	Simon, MF	Palm	Terrestrial	CEN
<i>Attalea barreirensis</i> Glassman	Sampaio, AB	497	07/05/2001	Noblick, LR	Palm	Terrestrial	CEN
<i>Attalea eichleri</i> (Drude) A.J.Hend.	Martins, RC	240	25/04/2001	Martins, RC	Palm	Terrestrial	UB
<i>Attalea exigua</i> Drude	Martins, RC	241	25/04/2001	Martins, RC	Palm	Terrestrial	UB
<i>Attalea maripa</i> (Aubl.) Mart.	Balick, MB	1302	19/11/1981	Martins, M & Perez, EL	Palm	Terrestrial	CEN
<i>Geonoma</i> sp.	Serra Geral - TO Equipe ESEC	5	06/08/2019		Palm	Terrestrial	CEN
<i>Mauritia flexuosa</i> L.f.	Serra Geral - TO	6	06/08/2019	Amaral-Santos, A	Palm	Terrestrial	CEN

<i>Mauritiella armata</i> (Mart.) Burret	Equipe ESEC Serra Geral - TO	61	07/08/2019	Simon, MF	Palm	Terrestrial	CEN
<i>Oenocarpus bacaba</i> Mart.	Souza, RR	221	15/03/2022	Simon, MF	Palm	Terrestrial	CEN
<i>Syagrus allagopteroides</i> Noblick & Lorenzi	Scariot, AO	628	15/06/2002	Lima, GP	Palm	Terrestrial	CEN
<i>Syagrus cocoides</i> Mart.	Simon, MF	4132	27/02/2021	Simon, MF	Palm	Terrestrial	CEN
<i>Syagrus comosa</i> (Mart.) Mart.	Simon, MF	3486	04/10/2018	Simon, MF	Palm	Terrestrial	CEN
<i>Syagrus glazioviana</i> (Dammer) Becc.	Souza, RR	91	17/06/2021	Lima, GP	Palm	Terrestrial	CEN

Asteraceae

<i>Aldama gardneri</i> (Baker) E.E.Schill. & Panero	Miranda, CA	194	30/03/1978	Margenta, M	Herb, Subshrub	Terrestrial	RB
<i>Aldama oblongifolia</i> (Gardner) E.E.Schill. & Panero	Antar, GM	403	26/01/2014	Antar, GM	Herb, Subshrub	Terrestrial	CEN
<i>Aldama robusta</i> (Gardner) E.E.Schill. & Panero	Simpson, PL	56	06/05/2001	Margenta, M	Herb, Subshrub	Terrestrial	UB
<i>Aldama</i> sp.	Simon, MF	4051	26/02/2021		Herb, Subshrub	Terrestrial	CEN
<i>Arctium minus</i> (Hill) Bernh.	Forzza, RC	8539	04/03/2015	Kilipper, JT	Herb	Terrestrial	UPCB
<i>Aspilia leucoglossa</i> Malme	Simon, MF	3974	24/02/2021	Bringel Jr., JBA	Herb, Subshrub	Terrestrial	CEN
<i>Ayapana amygdalina</i> (Lam.) R.M.King & H.Rob.	Equipe ESEC Serra Geral - TO	77	09/08/2019	Bringel Jr., JBA	Subshrub	Terrestrial	CEN
<i>Baccharis</i> sp.	Souza, RR	70	17/06/2021		Shrub	Terrestrial	CEN
<i>Baccharis milleflora</i> (Less.) DC.	Caxambu, MG	3248	02/08/2010	Cordeiro, J	Shrub	Rupicolous, Terrestrial	HCF
<i>Baccharis paranensis</i> Heering & Dusén	Caxambu, MG	3251	03/08/2010	Heiden, G	Subshrub	Rupicolous, Terrestrial	HCF
<i>Baccharis vulneraria</i> Baker	Caxambu, MG	3226	02/08/2010	Cordeiro, J	Subshrub	Terrestrial	HCF
<i>Calea fruticosa</i> (Gardner) Urbatsch, Zlotzky & Pruski	Souza, RR	126	18/06/2021	Bueno, VR	Shrub	Terrestrial	CEN
<i>Calea gardneriana</i> Baker	Felfili, JM	526	21/04/2004	Fonseca, ML	Subshrub	Terrestrial	HUFU
<i>Calea purpurea</i> G.M.Barroso *	Souza, RR	279	17/03/2022	Bueno, VR	Subshrub	Terrestrial	CEN
<i>Calea teucrifolia</i> (Gardner) Baker	Simon, MF	4136	28/02/2021	Bueno, VR	Subshrub Shrub,	Terrestrial	CEN
<i>Calea villosa</i> Sch.Bip. ex Baker	Antar, GM	808	04/02/2015	Antar, GM	Subshrub	Terrestrial	SPF
<i>Chromolaena squalida</i> (DC.) R.M.King & H.Rob.	Feitosa, VCS	10	07/08/2019	Feitosa, VCS	Shrub, Subshrub	Terrestrial	CEN

<i>Clibadium armanii</i> (Balb.) Sch.Bip. ex O.E.Schulz	Simon, MF	3539	05/10/2018	Bringel Jr., JBA	Shrub	Terrestrial	CEN
<i>Cosmos caudatus</i> Kunth	Souza, RR	247	21/04/2004	Bueno, VR	Herb	Terrestrial	CEN
<i>Dasyphyllum donianum</i> (Gardner) Cabrera	Souza, RR	139	19/06/2021	Bringel Jr., JBA	Shrub	Terrestrial	CEN
<i>Dasyphyllum sprengelianum</i> (Gardner) Cabrera	Figueira, M	1039	07/08/2019	Figueira, M & Schindler, B	Shrub	Terrestrial	CEN
<i>Echinocoryne subulata</i> (Baker) H.Rob.	Antar, GM	1604	23/04/2017	Loeulle, B	Herb	Terrestrial	RB
<i>Emilia sonchifolia</i> (L.) DC.	Caxambu, MG	3139	01/08/2010	Caxambu, MG	Herb	Terrestrial	HCF
<i>Enydra</i> sp.	Labiak, PH	5925	06/03/2015		Herb	Terrestrial	RB
<i>Erechtites hieracifolius</i> (L.) Raf. ex DC.	Silva, DP	11	04/11/2014		Tree	Terrestrial	UB
<i>Eremanthus capitatus</i> (Spreng.) MacLeish	Souza, RR	128	18/06/2021	Walter, BMT	Tree	Terrestrial	CEN
<i>Eremanthus glomerulatus</i> Less.	Antar, GM	780	01/02/2015	Loeulle, BFP Cordeiro, J & Barboza, E	Herb	Terrestrial	CEN
<i>Gyptis pinnatifita</i> Cass.	Caxambu, MG	3238	02/08/2010	Walter, BMT	Subshrub	Terrestrial	HCF
<i>Ichthyothere suffruticosa</i> Gardner	Figueira, M	1735	15/06/2021	Walter, BMT	Subshrub	Terrestrial	CEN
<i>Ichthyothere terminalis</i> (Spreng.) S.F.Blake	Simon, MF	4007	25/02/2021	Walter, BMT	Herb	Terrestrial	CEN
<i>Lepidaploa aurea</i> (Mart. ex DC.) H.Rob.	Cavalcanti, TB	2793	14/06/2002	Walter, BMT	Shrub	Rupicolous, Terrestrial	CEN
<i>Lepidaploa nitens</i> (Gardner) H.Rob.	Souza, RR	71	17/06/2021	Bringel Jr., JBA	Subshrub	Terrestrial	CEN
<i>Lessingianthus buddleiifolius</i> (Mart. ex DC.) H.Rob.	Felfili, JM	562	21/04/2004	Nakajima, JN	Shrub	Terrestrial	HUFU
<i>Lessingianthus hoveaeifolius</i> (Gardner) H.Rob.	Simon, MF	4096	26/02/2021	Walter, BMT	Subshrub	Terrestrial	CEN
<i>Lessingianthus laevigatus</i> (Mart. ex DC.) H.Rob.	Souza, RR	97	17/06/2021	Walter, BMT	Subshrub Shrub,	Terrestrial	CEN
<i>Lessingianthus obtusatus</i> (Less.) H.Rob.	Figueira, M	1684	24/02/2021	Walter, BMT	Subshrub	Terrestrial	CEN
<i>Lessingianthus psilophyllus</i> (DC.) H.Rob.	Farias, R	407	03/05/2001	Farias, R	Subshrub	Terrestrial	UB
<i>Lessingianthus semirii</i> Antar & Loeulle	Simon, MF	3992	24/02/2021	Simon, MF	Shrub	Terrestrial	CEN
<i>Mikania cordifolia</i> (L.f.) Willd.	Caxambu, MG	3188	01/08/2010	Ferreira, P	Liana/vine	Terrestrial	HCF
<i>Mikania officinalis</i> Mart.	Silva, DP	31	02/11/2014		Subshrub	Terrestrial	UB
<i>Mikania psilostachya</i> DC.	Sampaio, AB	371	03/05/2001	Oliveira, CT	Liana/vine	Terrestrial	UB
<i>Moquiniastrum blanchetianum</i> (DC.) G. Sancho	Figueira, M	1762	18/06/2021	Walter, BMT	Shrub	Terrestrial	CEN

<i>Praxelis clematidea</i> (Griseb.) R.M.King & H.Rob.	Antar, GM	397	26/01/2014	Nakajima, JN	Herb	Terrestrial	SPF
<i>Praxelis macrocarpa</i> V. Abreu & R. Esteves	Assis, JS	180	10/04/1978	Abreu, V & Esteves, R	Herb	Terrestrial	RB
<i>Pseudobrickellia brasiliensis</i> (Spreng.) R.M.King & H.Rob.	Simon, MF	3443	03/10/2018	Bringel Jr., JBA	Shrub, Subshrub	Terrestrial	CEN
<i>Richterago discoidea</i> (Less.) Kuntze	Caxambu, MG	3207	02/08/2010	Cordeiro, J & Barboza, E	Herb, Subshrub	Terrestrial	HCF
<i>Riencourtia tenuifolia</i> Gardner	Figueira, M	1670	24/02/2021	Figueira, M & Schindler, B	Herb, Subshrub	Terrestrial	CEN
<i>Strophopappus bicolor</i> DC.	Souza, RR	96	17/06/2021	Walter, BMT	Shrub, Subshrub	Terrestrial	CEN
<i>Trichogonia campestris</i> Gardner	Simon, MF	4085	26/02/2021	Bringel Jr., JBA	Subshrub	Terrestrial	CEN
<i>Vernonanthura ferruginea</i> (Less.) H.Rob.	Serra Geral - TO	80	09/08/2019	Walter, BMT	Shrub	Terrestrial	CEN
<i>Vernonia</i> sp.	Lemos, HL & Pinto, JRR	103	20/01/2016		Shrub	Terrestrial	UB

Bignoniaceae

<i>Adenocalymma marginatum</i> (Cham.) DC.	Caxambu, MG	3240	02/08/2010	Barboza, E	Liana/vine	Terrestrial	HCF
<i>Adenocalymma pedunculatum</i> (Vell.) L.G.Lohmann	Souza, RR	88	17/06/2021	Schindler, B	Shrub	Terrestrial	CEN
<i>Adenocalymma pubescens</i> (Spreng.) L.G.Lohmann	Simon, MF	3437	03/10/2018	Walter, BMT	Liana/vine	Terrestrial	CEN
<i>Amphilophium magnoliifolium</i> (Kunth) L.G.Lohmann	Labiak, PH	5868	04/03/2015	Kaehler, M	Liana/vine	Terrestrial	UPCB
<i>Amphilophium mansoanum</i> (DC.) L.G.Lohmann	Simon, MF	4144	28/02/2021	Simon, MF	Liana/vine	Terrestrial	CEN
<i>Amphilophium</i> sp.	Souza, RR	132	18/06/2021		Liana/vine	Terrestrial	CEN
<i>Anemopaegma glaucum</i> Mart. ex DC.	Figueira, M	1038	07/08/2019	Gomes, BM	Shrub	Terrestrial	CEN
<i>Anemopaegma scabriusculum</i> Mart. ex DC.	Simon, MF	3506	05/10/2018	Walter, BMT	Shrub	Terrestrial	CEN
<i>Fridericia craterophora</i> (DC.) L.G.Lohmann	Farias, R	410	04/05/2001	Antar, GM	Shrub	Terrestrial	CEN
<i>Fridericia simplex</i> (A.H.Gentry) L.G.Lohmann	Simon, MF	4008	25/02/2021	Simon, MF	Liana/vine	Terrestrial	CEN
<i>Handroanthus chrysotrichus</i> (Mart. ex DC.) Mattos	Lolis, SF		28/08/1998		Tree	Terrestrial	HTO
<i>Handroanthus impetiginosus</i> (Mart. ex DC.) Mattos	Lolis, SF	36	06/07/1999		Tree	Terrestrial	HTO

<i>Handroanthus ochraceus</i> (Cham.) Mattos	Simon, MF Equipe ESEC	3489	04/10/2018	Martins, MS Schindler, B & Figueira, M	Tree	Terrestrial	CEN
<i>Jacaranda praetermissa</i> Sandwith <i>Jacaranda simplicifolia</i> K.Schum. ex Bureau & K.Schum.	Serra Geral - TO Souza, RR	31 271	06/08/2019 16/03/2022	Walter, BMT	Tree	Terrestrial	CEN
<i>Lundia</i> sp.	Melo, A	1542	24/04/2017		Liana/vine	Terrestrial	RB
<i>Manaosella</i> sp. <i>Mansoa difficilis</i> (Cham.) Bureau & K.Schum.	Carreira, LMM Caxambu, MG	3260 3210	28/04/2012 02/08/2010	Cordeiro, J	Liana/vine Liana/vine	Terrestrial	HERBMG HCF
<i>Pleonotoma orientalis</i> Sandwith	Souza, RR	138	19/06/2021	Simon, MF	Liana/vine	Terrestrial	CEN
<i>Zeyheria montana</i> Mart.	Simon, MF	4082	26/02/2021	Simon, MF	Shrub, Tree	Terrestrial	CEN

Bixaceae

<i>Bixa orellana</i> L.	Lira, RG	1	27/05/1999		Shrub, Tree	Terrestrial	HTO
<i>Cochlospermum regium</i> (Mart. ex Schrank) Pilg.	Souza, RR	239	15/03/2022	Souza, RR	Shrub, Subshrub	Terrestrial	CEN

Boraginaceae

<i>Cordia superba</i> Cham.	Souza, RR	251	15/03/2022	Walter, BMT Santiago, DS & Pessoa, C	Shrub, Tree	Terrestrial	CEN
<i>Cordia trichotoma</i> (Vell.) Arráb. ex Steud.	Neto, O	2638814.9	11/12/2017		Tree	Terrestrial	UB
<i>Cordia weddellii</i> I.M. Johnst.	Schindler, B	392	19/03/2022	Melo, JIM	Shrub, Tree	Terrestrial	CEN
<i>Euploca salicoides</i> (Cham.) J.I.M.Melo & Semir	Pereira-Silva, G	3622	21/09/1996	Barboza, E & Cordeiro, J	Shrub, Herb, Subshrub	Terrestrial	CEN
<i>Heliotropium transalpinum</i> Vell.	Caxambu, MG	3149	01/08/2010		Shrub, Subshrub	Terrestrial	HCF

Bromeliaceae

<i>Aechmea bromeliifolia</i> (Rudge) Baker	Figueira, M	1058	08/08/2019	Figueira, M	Herb	Epiphyte, Rupicolous, Terrestrial	CEN
<i>Ananas ananassoides</i> (Baker) L.B.Sm.	Simon, MF	3563	05/10/2018	Simon, MF	Herb	Terrestrial	CEN
<i>Billbergia</i> sp.	Souza, RR	166	20/06/2021		Herb	Epiphyte, Rupicolous, Terrestrial	CEN
<i>Dyckia burchellii</i> Baker	Antar, GM	747	31/01/2015	Forzza, RC	Herb, Succulent	Terrestrial	RB

<i>Dyckia</i> sp.	Simon, MF	4171	01/03/2021		Herb, Succulent	Rupicolous	CEN
<i>Encholirium disjunctum</i> Forzza	Schindler, B	194	17/06/2021	Forzza, RC	Herb	Rupicolous	CEN
<i>Pitcairnia ensifolia</i> Mez	Simon, MF	4166	01/03/2021	Walter, BMT	Herb	Rupicolous	CEN
<i>Pitcairnia torresiana</i> L.B.Sm.	Schindler, B	358	15/03/2022	Saraiva, DP	Herb	Rupicolous	CEN

Burmanniaceae

<i>Apteria aphylla</i> (Nutt.) Barnhart ex Small	Souza, RR	218	15/03/2022	Silva, DF	Herb	Saprophyte, Terrestrial	CEN
<i>Burmannia capitata</i> (Walter ex J.F.Gmel.) Mart.	Souza, RR	192	15/03/2022	Silva, DF	Herb	Terrestrial	CEN
<i>Burmannia flava</i> Mart.	Souza, RR	300	18/03/2022	Walter, BMT	Herb	Terrestrial	CEN
<i>Gymnosiphon cymosus</i> (Benth.) Benth. & Hook.f.	Souza, RR	222	15/03/2022	Walter, BMT	Herb	Saprophyte, Terrestrial	CEN

Burseraceae

<i>Protium heptaphyllum</i> (Aubl.) Marchand	Mendonça, RC	5721	03/03/2015	Mendonça, RC	Shrub, Tree	Terrestrial	SPF
<i>Protium pilosissimum</i> Engl.	Figueira, M	1036	12/08/2004	Figueira, M & Schindler, B	Shrub, Tree	Terrestrial	CEN
<i>Protium spruceanum</i> (Benth.) Engl.	Simon, MF	4039	07/08/2019	Figueira, M	Tree	Terrestrial	CEN
<i>Protium trifoliolatum</i> Engl.	Forzza, RC	8492	25/02/2021	Guimarães, EF	Shrub, Tree	Terrestrial	RB

Cabombaceae

<i>Cabomba aquatica</i> Aubl.	Silva, DP	419	04/06/2015		Herb	Aquatic	UB
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Cactaceae

<i>Cereus mirabella</i> N.P.Taylor	Antar, GM	785	01/02/2015	Zappi, DC	Shrub, Liana/vine, Succulent	Terrestrial	RB
<i>Discocactus catingicola</i> Buining & Brederoo	Antar, GM	691	29/01/2015	Zappi, DC	Herb	Rupicolous, Terrestrial	CEN
<i>Epiphyllum phyllanthus</i> (L.) Haw.	Simon, MF	3495	04/10/2018	Simon, MF	Herb, Subshrub, Succulent	Epiphyte	CEN

<i>Leocereus bahiensis</i> Britton & Rose	Figueira, M	1771	19/06/2021	Zappi, DC	Shrub, Succulent	Rupicolous, Terrestrial	CEN
Calophyllaceae							
<i>Calophyllum brasiliense</i> Cambess.	Simon, MF	3457	03/10/2018	Simon, MF Figueira, M & Schindler, B	Tree	Terrestrial	CEN
<i>Caraipa densifolia</i> Mart.	Figueira, M	1819	16/03/2022	Figueira, M & Schindler, B	Tree	Terrestrial	CEN
<i>Kielmeyera abdita</i> Saddi	Farias, R	355	03/05/2001	Farias, R	Subshrub Shrub, Tree,	Terrestrial	UB
<i>Kielmeyera coriacea</i> Mart. & Zucc.	Simon, MF	3758	08/08/2019	Simon, MF	Subshrub	Terrestrial	CEN
<i>Kielmeyera lathrophyton</i> Saddi	Santos, PP Equipe ESEC	223	31/03/2018	Antar, GM	Shrub, Tree	Terrestrial	CEN
<i>Kielmeyera petiolaris</i> Mart. & Zucc.	Serra Geral - TO	109	17/01/2020	Figueira, M Figueira, M & Schindler, B	Tree Shrub, Tree,	Terrestrial	CEN
<i>Kielmeyera rubriflora</i> Cambess.	Souza, RR	68	16/06/2021	Figueira, M Figueira, M & Schindler, B	Subshrub	Terrestrial	CEN
Capparaceae							
<i>Mesocapparis lineata</i> (Dombey ex Pers.) Cornejo & Iltis	Labiak, PH	5832	03/03/2015	Soares Neto, RL	Liana/vine		UPCB
Caryocaraceae							
<i>Caryocar coriaceum</i> Wittm.	Neto, O	IFN- 3058161.2	14/11/2017	Figueira, M	Tree	Terrestrial	UB
<i>Caryocar cuneatum</i> Wittm.	Simon, MF	3409	02/10/2018	Simon, MF	Tree	Terrestrial	CEN
Caryophyllaceae							
<i>Polycarpaea corymbosa</i> (L.) Lam.	Simon, MF	3447	03/10/2018	Walter, BMT	Herb	Terrestrial	CEN
Celastraceae							
<i>Cheiloclinium obtusum</i> A.C.Sm.	Caxambu, MG	3208	02/08/2010	Biral, L	Shrub, Tree, Liana/vine	Terrestrial	HCF
<i>Cheiloclinium cognatum</i> (Miers) A.C.Sm.	Simon, MF	4002	24/02/2021	Schindler, B	Liana/vine	Terrestrial	CEN
<i>Peritassa laevigata</i> (Hoffmanns. ex Link) A.C. Sm.	Simon, MF	3761	08/08/2019	Walter, BMT	Shrub, Tree, Liana/vine	Terrestrial	CEN

<i>Tontelea micrantha</i> (Mart.) A.C. Sm.	Figueira, M	1021	06/08/2019	Figueira, M & Schindler, B	Shrub, Tree, Subshrub	Terrestrial	CEN
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Chrysobalanaceae

<i>Couepia grandiflora</i> (Mart. & Zucc.) Benth.	Simon, MF	3414	02/10/2018	Martins, MS	Tree	Terrestrial	CEN
<i>Exellodendron cordatum</i> (Hook.f.) Prance	Souza, RR Equipe ESEC	118	18/06/2021	Walter, BMT	Shrub, Tree	Terrestrial	CEN
<i>Hirtella ciliata</i> Mart. & Zucc.	Serra Geral - TO	9	06/08/2019	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Hirtella glandulosa</i> Spreng.	Simon, MF	4134	28/02/2021	Simon, MF Figueira, M & Schindler, B	Shrub, Tree	Terrestrial	CEN
<i>Hirtella gracilipes</i> (Hook.f.) Prance	Figueira, M	1031	07/08/2019	Figueira, M & Schindler, B	Shrub, Tree	Terrestrial	CEN
<i>Leptobalanus gardneri</i> (Hook.f.) Sothers & Prance	Souza, RR	224	15/03/2022	Walter, BMT	Tree	Terrestrial	CEN
<i>Leptobalanus sclerophyllus</i> (Hook.f.) Sothers & Prance	Equipe ESEC Serra Geral - TO	3	06/08/2019	Figueira, M	Tree	Terrestrial	CEN
<i>Licania dealbata</i> Hook.f.	Equipe ESEC Serra Geral - TO	19	06/08/2019	Simon, MF	Shrub, Subshrub	Terrestrial	CEN
<i>Moquilea egleri</i> (Prance) Sothers & Prance	Souza, RR	292	18/03/2022	Figueira, M	Tree	Terrestrial	CEN
<i>Parinari obtusifolia</i> Hook.f.	Santos, ER	2654	23/11/2020		Shrub	Terrestrial	HUTO

Clusiaceae

<i>Clusia criuva</i> Cambess.	Caxambu, MG	3160	01/08/2010	Barboza, E	Shrub, Tree	Rupicolous, Terrestrial	HCF
<i>Platonia insignis</i> Mart.	Santos, K	s.n.	29/03/2017		Tree	Terrestrial	MBM

Combretaceae

<i>Combretum mellifluum</i> Eichler	Souza, RR	94	17/06/2021	Walter, BMT	Shrub, Tree, Liana/vine	Terrestrial	CEN
<i>Terminalia corrugata</i> (Ducke) Gere & Boatwr.	Simpson, PL	52	06/05/2001	Farias	Tree	Terrestrial	HERBMG
<i>Terminalia fagifolia</i> Mart.	Simon, MF	3397	02/10/2018	Martins, MS	Tree	Terrestrial	CEN
<i>Terminalia glabrescens</i> Mart.	Souza, RR	45	15/06/2021	Figueira, M	Shrub, Tree	Terrestrial	CEN
<i>Terminalia tetraphylla</i> (Aubl.) Gere & Boatwr.	Schindler, B	397	19/03/2022	Ribeiro, RTM	Tree	Terrestrial	CEN

Commelinaceae							
<i>Commelina erecta</i> L.	Simon, MF	4145	28/02/2021	Simon, MF	Herb	Rupicolous, Terrestrial	CEN
<i>Dichorisandra hexandra</i> (Aubl.) C.B.Clarke	Forzza, RC	8534	04/03/2015	Aona, LYA	Herb, Liana/vine	Rupicolous, Terrestrial	CEN
Connaraceae							
<i>Connarus suberosus</i> Planch.	Figueira, M	1041	07/08/2019	Figueira, M & Schindler, B	Shrub, Tree	Terrestrial	CEN
<i>Rourea induta</i> Planch.	Simon, MF	3431	03/10/2018	Simon, MF	Shrub, Tree	Terrestrial	CEN
Convolvulaceae							
<i>Bonamia</i> sp.	Simon, MF	3751	08/08/2019		Subshrub	Terrestrial	CEN
<i>Distimake digitatus</i> (Spreng.) A.R. Simões & Staples	Souza, RR	60	16/06/2021	Walter, BMT	Herb, Subshrub	Terrestrial	CEN
<i>Distimake ericoides</i> (Meisn.) Petrongari & Sim.-Bianch.	Antar, GM	776	01/02/2015	Verdi, M	Herb	Terrestrial	SPF
<i>Evolvulus sericeus</i> Sw.	Antar, GM	711	30/01/2015	Antar, GM	Subshrub	Terrestrial	SPF
<i>Evolvulus</i> sp.	Schindler, B	384	17/03/2022		Liana/vine	Terrestrial	CEN
<i>Ipomoea aprica</i> House	Orlandi, RP	53	10/04/1978	Wood, JRI	Subshrub	Terrestrial	RB
<i>Ipomoea batatoides</i> Choisy	Simon, MF	4091	26/02/2021	Simon, MF	Liana/vine	Terrestrial	CEN
<i>Ipomoea burchellii</i> Meisn.	Antar, GM	752	31/01/2015	Simão-Bianchini, R	Liana/vine, Subshrub	Terrestrial	SPF
<i>Ipomoea cuneifolia</i> Meisn.	Simon, MF	4073	26/02/2021	Simon, MF	Subshrub	Terrestrial	CEN
<i>Ipomoea goyazensis</i> Gardner	Farias, R	418	04/05/2001	Wood, JRI	Liana/vine	Terrestrial	UB
<i>Ipomoea</i> sp.	Simon, MF	3400	02/10/2018		Liana/vine	Terrestrial	CEN
<i>Ipomoea nil</i> (L.) Roth	Caxambu, MG	3241	02/08/2010	Caxambu, MG	Liana/vine	Terrestrial	HCF
<i>Ipomoea pes-caprae</i> subsp. <i>brasiliensis</i> (L.) Ooststr.	R. P. Orlandi	87	22/04/1978	Falcão, J	Herb	Terrestrial	RB
<i>Jacquemontia evolvuloides</i> (Morici.) Meisn.	Antar, GM	400	26/01/2014	Antar, GM	Liana/vine	Terrestrial	CEN
<i>Jacquemontia sphaerocephala</i> Meisn.	Simon, MF	3426	03/10/2018	Figueira, M	Subshrub	Terrestrial	CEN
<i>Merremia</i> sp.	Santos, ER	2528	14/01/2020		Liana/vine	Terrestrial	HUTO

Costaceae							
<i>Costus arabicus</i> L.	Simon, MF	4131	27/02/2021	Simon, MF	Herb	Aquatic, Terrestrial	CEN
<i>Costus spiralis</i> (Jacq.) Roscoe	Silva, DP	194	10/12/2014		Herb	Terrestrial	UB
Cucurbitaceae							
<i>Cayaponia espelina</i> (Silva Manso) Cogn.	Simon, MF	4072	26/02/2021	Simon, MF	Liana/vine	Terrestrial	CEN
Cyperaceae							
<i>Bisboeckelera</i> sp.	Silva, DP	80	04/11/2014		Herb	Terrestrial	UB
<i>Bulbostylis amazonica</i> Prata & M.G. López	Simon, MF	4143	28/02/2021	Nunes, CS	Herb	Terrestrial	CEN
<i>Bulbostylis confifera</i> (Kunth) C.B.Clarke	Simon, MF	3549	05/10/2018	Walter, BMT	Herb	Rupicolous, Terrestrial	CEN
<i>Bulbostylis consanguinea</i> (Kunth) C.B.Clarke	Silva, DP	162	08/12/2014		Herb	Rupicolous, Terrestrial	UB
<i>Bulbostylis fasciculata</i> Uittien	Simon, MF	3477	04/10/2018	Walter, BMT	Herb	Terrestrial	CEN
<i>Bulbostylis jacobinae</i> (Steud.) Lindm.	Simon, MF	4242	18/03/2022		Herb	Terrestrial	CEN
<i>Bulbostylis junciformis</i> (Kunth) C.B.Clarke	Souza, RR	297	18/03/2022	Nunes, CS	Herb	Terrestrial	CEN
<i>Bulbostylis sellowiana</i> (Kunth) Palla	Silva, DP	66	03/11/2014		Herb	Terrestrial	UB
<i>Calyptrocarya glomerulata</i> (Brongn.) Urb.	Silva, DP	161	08/12/2014		Herb	Terrestrial	UB
<i>Calyptrocarya luzuliformis</i> T.Koyama	Souza, RR	199	15/03/2022	Walter, BMT	Herb	Terrestrial	CEN
<i>Cyperus aggregatus</i> (Willd.) Endl.	Simon, MF	4031	25/02/2021	Walter, BMT	Herb	Terrestrial	CEN
<i>Cyperus amabilis</i> Vahl	Labiak, PH	5964	07/03/2015	Silva, LP	Herb	Terrestrial	RB
<i>Cyperus brasiliensis</i> (Kunth) Bauters	Silva, DP	27	02/12/2014		Herb	Aquatic, Terrestrial	UB
<i>Cyperus cornelliostenii</i> Kük.	Simon, MF	3975	24/02/2021	Matzenauer, W	Herb	Terrestrial	CEN
<i>Cyperus friburgensis</i> Boeckeler	Caxambu, MG	3151	01/08/2010	Caxambu, MG	Herb	Terrestrial	HCF
<i>Cyperus haspan</i> L.	Silva, DP	158	08/12/2014		Herb	Aquatic, Terrestrial	UB
<i>Cyperus laxis</i> Lam.	Simon, MF	4125	27/02/2021	Walter, BMT	Herb	Terrestrial	CEN
<i>Cyperus surinamensis</i> Rottb.	Ferreira, HD	2538	20/09/1986	Alves, M	Herb	Aquatic, Terrestrial	UFG
<i>Eleocharis endouinifascis</i> Hinchliff & Roalson	Souza, RR	52	16/06/2021	Nunes, CS	Herb	Aquatic	CEN

<i>Eleocharis filiculmis</i> Kunth	Souza, RR	173	20/06/2021	Nunes, CS	Herb	Terrestrial	CEN
<i>Eleocharis geniculata</i> (L.) Roem. & Schult.	Cavalcanti, TB	2763	14/06/2002	Walter, BMT	Herb	Aquatic, Terrestrial	CEN
<i>Exochogyne amazonica</i> C.B.Clarke	Silva, DP	75	04/11/2014		Herb	Terrestrial	UB
<i>Fimbristylis</i> sp.	Paula-Souza, J	9144	07/10/2007		Herb	Terrestrial	SPF
<i>Heterocondylus pumilus</i> (Gardner) R.M.King & H.Rob.	Silva, DP	598	06/06/2015		Subshrub	Terrestrial	UB
<i>Lagenocarpus rigidus</i> Nees	Simon, MF	3536	05/10/2018	Walter, BMT	Herb	Rupicolous, Terrestrial	CEN
<i>Lagenocarpus verticillatus</i> (Spreng.) T.Koyama & Maguire	Figueira, M	1678	24/02/2021	Walter, BMT	Herb	Rupicolous, Terrestrial	CEN
<i>Rhynchospora albiceps</i> Kunth	Simon, MF	3547	05/10/2018	Walter, BMT	Herb	Terrestrial	CEN
<i>Rhynchospora albobracteata</i> A.C.Araújo	Silva, DP	126	07/12/2014		Herb	Terrestrial	UB
<i>Rhynchospora barbata</i> (Vahl) Kunth	Silva, DP	44	02/12/2014		Herb	Rupicolous, Terrestrial	UB
<i>Rhynchospora brasiliensis</i> Boeckeler	Silva, DP	160	08/12/2014		Herb	Terrestrial	UB
<i>Rhynchospora caracasana</i> (Kunth) Boeckeler	Simon, MF	4079	26/02/2021	Walter, BMT	Herb	Terrestrial	CEN
<i>Rhynchospora cephalotes</i> (L.) Vahl	Simon, MF	4164	01/03/2021	Walter, BMT	Herb	Terrestrial	CEN
<i>Rhynchospora consanguinea</i> (Kunth) Boeckeler	Antar, GM	303	31/10/2013	Antar, GM	Herb	Terrestrial	CEN
<i>Rhynchospora corymbosa</i> (L.) Britton	Sampaio, AB	349	03/05/2001	Proença, CEB	Herb	Aquatic, Terrestrial	CEN
<i>Rhynchospora elatior</i> Kunth	Silva, DP	82	04/11/2014		Herb	Terrestrial	UB
<i>Rhynchospora emaciata</i> (Nees) Boeckeler	Silva, DP	76	04/11/2014		Herb	Terrestrial	UB
<i>Rhynchospora exaltata</i> Kunth	Souza, RR	124	18/06/2021	Walter, BMT	Herb	Terrestrial	CEN
<i>Rhynchospora globosa</i> (Kunth) Roem. & Schult.	Simon, MF	3501	04/10/2018	Walter, BMT	Herb	Terrestrial	CEN
<i>Rhynchospora hirta</i> (Nees) Boeckeler	Silva, DP	36	02/11/2014		Herb	Terrestrial	UB
<i>Rhynchospora loefgrenii</i> Boeckeler	Souza, RR	15	15/06/2021	Alves, KNL	Herb	Terrestrial	CEN
<i>Rhynchospora marisculus</i> Lindl. & Nees	Silva, DP	56	03/11/2014		Herb	Aquatic, Terrestrial	UB
<i>Rhynchospora rugosa</i> (Vahl) Gale	Silva, DP	49	03/11/2014		Herb	Aquatic, Terrestrial	UB
<i>Rhynchospora tenuis</i> Link	Silva, DP	182	10/12/2014	Munhoz, CBR	Herb	Terrestrial	UB
<i>Rhynchospora terminalis</i> Nees ex Steud.	Simon, MF	4067	26/02/2021	Walter, BMT	Herb	Terrestrial	CEN
<i>Rhynchospora trichochaeta</i> C.B.Clarke	Simon, MF	4185	02/03/2021	Alves, KNL	Herb	Terrestrial	CEN

<i>Rhynchospora trispicata</i> (Nees) Schrad. ex Steud.	Sampaio, AB	382	03/05/2001	Proença, CEB	Herb	Terrestrial	UB
<i>Rhynchospora velutina</i> (Kunth) Boeckeler	Souza, RR	7	15/06/2021	Alves, KNL	Herb	Terrestrial	CEN
<i>Scleria cyperina</i> Willd. ex Kunth	Pereira, A	53	06/08/2019	Pereira, A	Herb	Terrestrial	CEN
<i>Scleria latifolia</i> Sw.	Souza, RR	108	17/06/2021	Walter, BMT	Herb	Terrestrial	CEN
<i>Scleria martii</i> (Nees) Steud.	Góes, BTM	164	08/11/2015	Schneider, L	Herb	Terrestrial	SP
<i>Scleria scabra</i> Willd.	Simon, MF	4020	25/02/2021	Walter, BMT Cordeiro, J & Barboza, E	Herb	Terrestrial	CEN
<i>Scleria sororia</i> Kunth	Caxambu, MG	3189	01/08/2010	Barboza, E	Herb	Terrestrial	HCF
<i>Scleria verticillata</i> Muhl. ex Willd.	Souza, RR	283	18/03/2022	Nunes, CS	Herb	Terrestrial	CEN

Dichapetalaceae

<i>Tapura amazonica</i> Poepp. & Endl.	Souza, RR	234	15/03/2022	Simon, MF	Tree	Terrestrial	CEN
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Dilleniaceae

<i>Curatella americana</i> L.	Souza, RR	179	20/06/2021	Simon, MF	Shrub, Tree Shrub, Liana/vine,	Terrestrial	CEN
<i>Davilla elliptica</i> A.St.-Hil.	Simon, MF	3478	04/10/2018	Walter, BMT	Subshrub	Terrestrial	CEN
<i>Davilla grandiflora</i> A.St.-Hil. & Tul.	Cavalcanti, TB	2800	14/06/2002	Pereira, IM	Shrub Liana/vine,	Terrestrial	CEN
<i>Davilla minutifolia</i> Fraga	Souza, RR	37	15/06/2021	Walter, BMT	Subshrub Shrub, Liana/vine	Terrestrial	CEN
<i>Davilla nitida</i> (Vahl) Kubitzki	Souza, RR	28	15/06/2021	Souza, RR	Liana/vine Shrub,	Terrestrial	CEN
<i>Davilla villosa</i> Eichler	Figueira, M	1032	07/08/2019	Figueira, M & Schindler, B	Liana/vine Shrub,	Terrestrial	CEN
<i>Doliocarpus elliptifolius</i> Kubitzki	Figueira, M	1833	19/03/2022	Monzoli, JVL	Liana/vine	Terrestrial	CEN

Dioscoreaceae

<i>Dioscorea amaranthoides</i> C.Presl	Souza, RR	33	15/06/2021	Fraga, FRM	Liana/vine	Terrestrial	CEN
<i>Dioscorea ceratandra</i> R.Knuth	Silva, DP	408	04/06/2015		Liana/vine	Terrestrial	UB
<i>Dioscorea compacta</i> D. Araújo	Simon, MF	4256	19/03/2022	Simon, MF	Liana/vine	Terrestrial	CEN

<i>Dioscorea orthogoneura</i> Uline ex Hochr.	Simon, MF	4122	27/02/2021	Fraga, FRM	Liana/vine	Terrestrial	CEN
<i>Dioscorea sincorensis</i> R.Knuth	Simon, MF	4090	26/02/2021	Fraga, FRM	Liana/vine	Terrestrial	CEN
<i>Dioscorea ternata</i> Griseb.	Assis, JS	181	10/04/1978	Vaz, AMSF	Liana/vine	Terrestrial	RB
Droseraceae							
<i>Drosera communis</i> A.St.-Hil.	Rivadavia, F	2252	17/06/2006	Rivadavia, F	Herb	Terrestrial	SPF
<i>Drosera sessilifolia</i> A.St.-Hil.	Figueira, M	1740	15/06/2021	Figueira, M	Herb	Rupicolous, Terrestrial	CEN
<i>Drosera montana</i> A.St.-Hil.	Cavalcanti, TB	2781	14/06/2002		Herb	Terrestrial	CEN
Ebenaceae							
<i>Diospyros ovalis</i> Hiern	Simon, MF	3967	24/02/2021	Figueira, M	Shrub, Subshrub	Terrestrial	CEN
<i>Diospyros sericea</i> A.DC.	Souza, RR	131	18/06/2021	Schindler, B	Shrub, Tree	Terrestrial	CEN
Elaeocarpaceae							
<i>Sloanea sinemariensis</i> Aubl.	Simon, MF	4149	28/02/2021	Figueira, M	Tree	Terrestrial	CEN
Ericaceae							
<i>Agarista oleifolia</i> (Cham.) G.Don	Simon, MF	3559	05/10/2018	Figueira, M & Schindler, B	Shrub, Tree, Subshrub	Terrestrial	CEN
<i>Gaylussacia brasiliensis</i> (Spreng.) Meisn.	Simon, MF	3742	09/08/2019	Walter, BMT	Shrub, Tree, Subshrub	Terrestrial	CEN
Eriocaulaceae							
<i>Actinocephalus bongardii</i> (A.St.-Hil.) Sano	Simon, MF	3545	05/10/2018	Andrino, CO	Herb	Terrestrial	CEN
<i>Actinocephalus camptophyllus</i> (Ruhland) F.N.Costa & P.T.Sano	Silva, DP	601	06/06/2015		Herb	Terrestrial	UB
<i>Comanthera elegans</i> (Bong.) L.R.Parra & Giul.	Simon, MF	3456	03/10/2018	Simon, MF	Herb	Terrestrial	UB
<i>Comanthera xeranthemoides</i> (Bong.) L.R.Parra & Giul.	Simon, MF	4033	25/02/2021	Simon, MF	Herb	Terrestrial	CEN
<i>Eriocaulon humboldtii</i> Kunth	Silva, DP	57	03/11/2014		Herb	Aquatic	HUEFS

<i>Eriocaulon linearifolium</i> Körn.	Souza, RR	17	15/06/2021	Andrino, CO	Herb	Aquatic	CEN
<i>Eriocaulon papillosum</i> Körn.	Schindler, B	187	15/06/2021	Andrino, CO	Herb	Aquatic	CEN
<i>Eriocaulon setaceum</i> L.	Souza, RR	51	16/06/2021	Andrino, CO	Herb	Aquatic	CEN
<i>Leiothrix flavescens</i> (Bong.) Ruhland	Silva, DP	442	04/06/2015		Herb	Terrestrial	UB
<i>Leiothrix</i> sp.	Silva, DP	706	08/06/2015		Herb	Terrestrial	UB
<i>Paepalanthus chiquitensis</i> Herzog	Simon, MF	3736	08/08/2019	Simon, MF	Herb	Terrestrial	CEN
<i>Paepalanthus elongatus</i> (Bong.) Körn.	Cavalcanti, TB	2790	14/06/2002	Trovó, MLP	Herb	Terrestrial	CEN
<i>Paepalanthus lamarckii</i> Kunth	Souza, RR	194	15/03/2022	Walter, BMT	Herb	Terrestrial	CEN
<i>Paepalanthus subtilis</i> Miq.	Schindler, B	378	16/03/2022	Andrino, CO	Herb	Terrestrial	CEN
<i>Paepalanthus</i> sp.	Figueira, M	1827	17/03/2022		Herb	Terrestrial	CEN
<i>Syngonanthus bisumbellatus</i> (Steud.) Ruhland	Souza, RR	13	15/06/2021	Andrino, CO	Herb	Terrestrial	CEN
<i>Syngonanthus caulescens</i> (Poir.) Ruhland	Souza, RR	155	19/06/2021	Andrino, CO	Herb	Terrestrial	CEN
<i>Syngonanthus davidsei</i> Huft	Cavalcanti, TB	2761	14/06/2002	Trovó, MLP	Herb	Terrestrial	CEN
<i>Syngonanthus densiflorus</i> (Körn.) Ruhland	Silva, DP	33	02/11/2014		Herb	Aquatic, Terrestrial	UB
<i>Syngonanthus fischerianus</i> (Bong.) Ruhland	Silva, DP	128	07/12/2014		Herb	Terrestrial	UB
<i>Syngonanthus gracilis</i> (Bong.) Ruhland	Souza, RR	59	16/06/2021	Andrino, CO	Herb	Terrestrial	CEN
<i>Syngonanthus nitens</i> Ruhland	Simon, MF	3550	05/10/2018	Simon, MF	Herb	Terrestrial	CEN
<i>Syngonanthus oblongus</i> (Körn.) Ruhland	Figueira, M	1741	15/06/2021	Andrino, CO	Herb	Terrestrial	CEN
<i>Syngonanthus reclinator</i> (Körn.) Ruhland	Souza, RR	1	15/06/2021	Andrino, CO	Herb	Terrestrial	CEN
<i>Syngonanthus umbellatus</i> (Lam.) Ruhland	Souza, RR	6	15/06/2021	Andrino, CO	Herb	Terrestrial	CEN
<i>Syngonanthus verticillatus</i> (Bong.) Ruhland	Silva, DP	122	07/12/2014		Herb	Terrestrial	UB
<i>Syngonanthus</i> sp.	Souza, RR	109	17/06/2021	Andrino, CO	Herb	Terrestrial	CEN

Erythropalaceae

<i>Heisteria citrifolia</i> Engl.	Fagg, CW	2032	18/11/2008	Fonseca, ML	Shrub, Tree	Terrestrial	RB
<i>Heisteria ovata</i> Benth.	Cavalcanti, TB	2837	15/06/2002	Oliveira, AC	Shrub, Tree	Terrestrial	CEN

Erythroxylaceae

<i>Erythroxylum betulaceum</i> Mart.	Simon, MF	3472	04/10/2018	Walter, BMT	Shrub, Subshrub	Terrestrial	CEN
<i>Erythroxylum campestre</i> A.St.-Hil.	Antar, GM	475	17/09/2014	Antar, GM	Shrub, Tree, Subshrub	Terrestrial	SPF
<i>Erythroxylum citrifolium</i> A.St.-Hil.	Haidar, RF	1122	12/11/2008	Haidar, RF	Shrub, Tree	Terrestrial	HUTO
<i>Erythroxylum squamatatum</i> Sw.	Simon, MF	4127	27/02/2021	Schindler, B	Shrub, Tree	Terrestrial	CEN

Euphorbiaceae

<i>Bernardia gardneri</i> Müll.Arg.	Schindler, B	199	19/06/2021	Schindler, B	Shrub	Terrestrial	CEN
<i>Cnidocolus aurelii</i> Fern.Casas	Oliveira, CC	331	16/12/2015	Oliveira, CC	Herb	Terrestrial	RB
<i>Croton agoensis</i> Baill.	Simon, MF	3468	04/10/2018	Sodré, RC	Shrub, Tree	Terrestrial	CEN
<i>Croton campestris</i> A.St.-Hil.	Antar, GM	287	30/10/2013	Cordeiro, I	Shrub, Subshrub	Terrestrial	SPF
<i>Croton glandulosus</i> L.	Antar, GM	816	05/02/2015	Antar, GM	Herb, Subshrub	Terrestrial	CEN
<i>Croton grandivelus</i> Baill.	Melo, E	7152	08/11/2009	Antar, GM	Shrub, Herb, Subshrub	Terrestrial	HUEFS
<i>Croton matourensis</i> Aubl.	Simon, MF	4220	16/03/2022	Figueira, M & Schindler, B	Tree	Terrestrial	CEN
<i>Croton pycnadenius</i> Müll.Arg.	Antar, GM	694	29/01/2015	Antar, GM	Herb, Subshrub	Terrestrial	SPF
<i>Croton sublepidotus</i> Müll.Arg.	Soares-Silva, LH	973	09/05/2001	Sodré, RC	Shrub	Terrestrial	CEN
<i>Croton urucurana</i> Baill.	Oliveira, FCA	1508	03/07/2009	Caruzo, MBR	Tree	Terrestrial	SPF
<i>Croton</i> sp.	Schindler, B	401	19/03/2022		Shrub	Terrestrial	CEN
<i>Dalechampia caperonioides</i> Baill.	Souza, VC	24191	18/07/2000	Souza, VC	Herb, Subshrub	Terrestrial	RB
<i>Dalechampia linearis</i> Baill.	Souza, RR	229	15/03/2022	Kulkamp, J	Subshrub	Terrestrial	CEN
<i>Dalechampia occidentalis</i> Müll.Arg.	Figueira, M	1689	24/02/2021		Herb, Subshrub	Terrestrial	CEN
<i>Euphorbia potentilloides</i> Boiss.	Alves, M	1030	08/09/1993	Silva, OLM	Herb	Terrestrial	UB
<i>Euphorbia sarcodes</i> Boiss.	Simon, MF	4026	25/02/2021	Silva, OLM	Herb	Terrestrial	CEN
<i>Manihot acuminatissima</i> Müll.Arg.	Simon, MF	4248	19/03/2022	Simon, MF	Shrub, Subshrub	Terrestrial	CEN
<i>Manihot caerulescens</i> Pohl	Souza, RR	309	19/03/2022	Simon, MF	Shrub, Tree	Terrestrial	CEN

<i>Manihot nana</i> Müll.Arg.	Pereira, A	74	07/08/2019		Subshrub	Terrestrial	CEN
<i>Manihot pentaphylla</i> subsp. <i>tenuifolia</i> (Pohl) D.J.Rogers & Appan	Farias, R	168	16/11/1998	Rodrigues, AS Pereira, APN & Caruzo, MB	Shrub, Subshrub	Terrestrial	UB
<i>Manihot tripartita</i> (Spreng.) Müll.Arg.	Santos, PP	106	16/03/2018		Shrub, Tree	Terrestrial	CEN
<i>Manihot</i> sp.	Schindler, B	386	17/03/2022		Subshrub	Terrestrial	CEN
<i>Maprounea brasiliensis</i> A.St.-Hil.	Simon, MF	3405	02/10/2018	Walter, BMT	Shrub, Tree	Terrestrial	CEN
<i>Microstachys bidentata</i> (Mart. & Zucc.) F.Dietr.	Figueira, M	1680	24/02/2021	Figueira, M	Subshrub	Terrestrial	CEN
<i>Microstachys glandulosa</i> (Mart. & Zucc.) F.Dietr.	Antar, GM	719	30/01/2015	Pscheidt, AC Figueira, M & Schindler, B	Subshrub Herb, Subshrub	Terrestrial	SPF CEN
<i>Microstachys corniculata</i> (Vahl) Griseb.	Simon, MF	4075	26/02/2021		Shrub, Subshrub	Terrestrial	CEN
<i>Microstachys salicifolia</i> (Mart.) M.J.Silva	Figueira, M	1679	24/02/2021	Figueira, M	Subshrub	Terrestrial	CEN
<i>Microstachys serrulata</i> (Mart.& Zucc.) F.Dietr	Martinelli, G Equipe ESEC	21465	14/01/2020	Walter, BMT	Herb, Subshrub	Terrestrial	CEN
<i>Sapium</i> sp.	Serra Geral - TO Maruyama, A &	100	17/01/2020		Shrub	Terrestrial	CEN
<i>Sebastiania</i> sp.	Cicco, L	917	06/09/2017	Maruyama, A	Subshrub	Rupicolous, Terrestrial	HEPH

Fabaceae

<i>Aeschynomene</i> sp.	Labiak, PH	5874	04/03/2015		Subshrub	Terrestrial	UPCB
<i>Albizia pedicellaris</i> (DC.) L.Rico	Souza, RR	211	15/03/2022	Simon, MF	Tree	Terrestrial	CEN
<i>Anadenanthera</i> sp.	Pereira, BAS	2907	20/10/1995		Shrub, Tree	Terrestrial	UB
<i>Ancistrotropis firmula</i> (Mart. ex Benth.) A. Delgado	Souza, RR	58	16/06/2021	Lima, HC	Subshrub	Terrestrial	CEN
<i>Andira cordata</i> Arroyo ex R.T.Penn. & H.C.Lima	Simon, MF	4001	24/02/2021	Simon, MF	Tree	Terrestrial	CEN
<i>Andira humilis</i> Mart. ex Benth.	Simon, MF	3442	03/10/2018	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Andira vermifuga</i> (Mart.) Benth.	Paula-Souza, J	9135	07/10/2007	Antar, GM	Tree	Terrestrial	SPF
<i>Arachis marginata</i> Gardner	Simon, MF	4017	25/02/2021	Valls, JFM	Herb Shrub,	Terrestrial	CEN
<i>Bauhinia gardneri</i> Benth.	Simon, MF	4081	26/02/2021	Simon, MF	Subshrub Shrub,	Terrestrial	CEN
<i>Bauhinia platyphylla</i> Benth.	Antar, GM	745	31/01/2015	Antar, GM	Subshrub	Terrestrial	CEN

<i>Bauhinia pulchella</i> Benth.	Simon, MF	4054	26/02/2021	Simon, MF	Shrub, Tree Shrub, Subshrub	Terrestrial	CEN
<i>Bauhinia tenella</i> Benth.	Lombardi, JA	10244	30/06/2014	Vaz, A	Subshrub	Terrestrial	HRCB
<i>Betencourtia martii</i> (DC.) Queiroz, LP	Souza, RR	86	17/06/2021	Oliveira, ACS	Herb	Terrestrial	CEN
<i>Betencourtia neesii</i> (DC.) L.P. Queiroz	Silva, DP	486	05/06/2015		Herb Shrub,	Terrestrial	UB
<i>Bionia coriacea</i> (Nees & Mart.) Benth.	Souza, RR	158	20/06/2021	Rando, JG	Liana/vine	Rupicolous, Terrestrial	CEN
<i>Bowdichia virgilioides</i> Kunth	Souza, RR	46	16/06/2021	Simon, MF	Shrub, Tree Shrub,	Terrestrial	CEN
<i>Calliandra dysantha</i> Benth.	Souza, RR	159	20/06/2021	Simon, MF	Subshrub	Terrestrial	CEN
<i>Calliandra</i> sp.	Souza, RR	273	16/03/2022		Subshrub	Terrestrial	CEN
<i>Cenostigma bracteosum</i> (Tul.) Gagnon & G.P.Lewis	Souza, RR	248	15/03/2022	Walter, BMT	Shrub, Tree	Terrestrial	CEN
<i>Cenostigma macrophyllum</i> Tul.	Simon, MF	3418	02/10/2018	Oliveira, FGA	Shrub, Tree	Terrestrial	CEN
<i>Centrosema venosum</i> Mart. ex Benth.	Amorim, AM	9239	03/03/2015	Monteiro, TC	Liana/vine	Terrestrial	RB
<i>Cerradicola decumbens</i> (Benth.) Queiroz, LP	Simon, MF	4044	25/02/2021	Walter, BMT	Subshrub	Terrestrial	CEN
<i>Chamaecrista amiciella</i> (H.S.Irwin & Barneby) H.S.Irwin & Barneby	Souza, RR	306	19/03/2022	Rando, JG	Subshrub Shrub,	Terrestrial	CEN
<i>Chamaecrista ciliolata</i> (Benth.) H.S.Irwin & Barneby	Rando, JG	1339	07/08/2019	Rando, JG	Subshrub Shrub,	Terrestrial	CEN
<i>Chamaecrista coradinii</i> H.S. Irwin & Barneby *	Simon, MF	3530	05/10/2018	Simon, MF	Subshrub Shrub,	Terrestrial	CEN
<i>Chamaecrista curvifolia</i> (Vogel) Afr.Fern. & E.P.Nunes	Souza, RR	134	19/06/2021	Rando, JG	Subshrub Shrub, Subshrub	Terrestrial	CEN
<i>Chamaecrista diphylla</i> (L.) Greene	Melo, MS	202	17/01/2018		Subshrub	Terrestrial	UB
<i>Chamaecrista desvauxii</i> (Collad.) Killip	Simon, MF	3965	24/02/2021	Rando, JG	Subshrub Shrub,	Terrestrial	CEN
<i>Chamaecrista desvauxii</i> var. <i>langsdorffii</i> (Kunth ex Vogel) H.S. Irwin & Barneby	Souza, RR	104	17/06/2021	Rando, JG	Subshrub Shrub,	Terrestrial	CEN
<i>Chamaecrista fagonioides</i> (Vogel) H.S.Irwin & Barneby	Lombardi, JA	10335	02/07/2014	Cota, MMT	Subshrub Shrub,	Terrestrial	RB
<i>Chamaecrista filicifolia</i> (Benth.) H.S.Irwin & Barneby	Rando, JG	1344	08/08/2019	Rando, JG	Subshrub Shrub, Subshrub	Terrestrial	CEN
<i>Chamaecrista flexuosa</i> (L.) Greene	Simon, MF	4135	28/02/2021	Simon, MF	Subshrub	Terrestrial	CEN
<i>Chamaecrista juruenensis</i> (Hoehne) H.S.Irwin & Barneby	Cota, MMT	1035	15/07/2017	Cota, MMT	Subshrub	Terrestrial	HUEFS

<i>Chamaecrista latistipula</i> (Benth.) Afr. Fern. & E. Nunes	Góes, BTM	183	08/11/2015	Fonseca, ML	Shrub	Terrestrial	IBGE
<i>Chamaecrista linearis</i> (H.S.Irwin & Barneby) Afr.Fern. & E.P.Nunes	Simon, MF	3989	24/02/2021	Rando, JG	Shrub, Subshrub	Terrestrial	CEN
<i>Chamaecrista nictitans</i> (L.) Moench	Soares-Silva, LH	963	09/05/2001	Matos, RG	Subshrub	Terrestrial	UB
<i>Chamaecrista pauciflora</i> R.G. Matos, A.O. Souza & M.J. Silva *	Souza, AO	2153	18/07/2017	Matos, RG	Subshrub	Terrestrial	CEN
<i>Chamaecrista ramosa</i> (Vogel) H.S.Irwin & Barneby	Melo, A	1530	22/04/2017	Rando, JG	Shrub, Subshrub	Terrestrial	CEN
<i>Chamaecrista setosa</i> (Vogel) H.S.Irwin & Barneby	Paula-Souza, J	9097	06/10/2007	Rando, JG	Shrub, Subshrub	Terrestrial	SPF
<i>Chamaecrista tomentella</i> Afr.Fern.	Figueira, M	1685	24/02/2021	Rando, JG	Subshrub Shrub,	Terrestrial	CEN
<i>Chamaecrista transversa</i> Afr.Fern.	Schindler, B	39	02/03/2021	Rando, JG	Subshrub	Terrestrial	CEN
<i>Chamaecrista viscosa</i> (Kunth) H.S.Irwin & Barneby	Souza, RR	20	15/06/2021	Rando, JG	Shrub, Subshrub	Terrestrial	CEN
<i>Chamaecrista</i> sp.	Souza, RR	144	19/06/2021	Rando, JG	Shrub Herb,	Terrestrial	CEN
<i>Clitoria guianensis</i> (Aubl.) Benth.	Antar, GM	404	16/03/2014	Antar, GM	Subshrub Herb,	Terrestrial	CEN
<i>Clitoria simplicifolia</i> (Kunth) Benth.	Simon, MF	3969	24/02/2021	Simon, MF	Subshrub	Terrestrial	CEN
<i>Copaifera marginata</i> Benth.	Simon, MF	3970	24/02/2021	Walter, BMT	Shrub	Terrestrial	CEN
<i>Copaifera martii</i> Hayne	Melo, E	7185	09/11/2009	Queiroz, LP	Tree	Terrestrial	HUEFS
<i>Crotalaria maypurensis</i> Kunth	Souza, RR	43	15/06/2021	Walter, BMT	Subshrub	Terrestrial	CEN
<i>Crotalaria</i> sp.	Souza, RR	244	15/03/2022	Lima, HC	Subshrub	Terrestrial	CEN
<i>Ctenodon elegans</i> (Schltdl. & Cham.) D.B.O.S.Cardoso & A.Delgado	Antunes, LLC	2466	18/07/2017	Antunes, LLC	Herb, Subshrub	Terrestrial	UB
<i>Ctenodon paniculatus</i> (Willd. ex Vogel) D.B.O.S.Cardoso, P.L.R.Moraes & H.C.Lima	Souza, RR	275	17/03/2022	Lima, AG	Shrub, Herb, Subshrub	Terrestrial	CEN
<i>Ctenodon paucifolius</i> (Vogel) D.B.O.S.Cardoso, Filardi & H.C.Lima	Souza, RR	56	16/06/2021	Rando, JG	Herb, Subshrub	Terrestrial	CEN
<i>Dalbergia miscolobium</i> Benth.	Souza, RR	114	18/06/2021	Simon, MF	Tree	Terrestrial	CEN
<i>Deguelia nitidula</i> (Benth.) A.M.G.Azevedo & R.A.Camargo	Schindler, B	202	19/06/2021	Schindler, B	Liana/vine	Terrestrial	CEN
<i>Desmodium barbatum</i> (L.) Benth.	Cavalcanti, TB Equipe ESEC	2794	14/06/2002		Subshrub	Terrestrial	CEN
<i>Dimorphandra gardneriana</i> Tul.	Serra Geral - TO	45	07/08/2019	Simon, MF	Tree	Terrestrial	CEN

<i>Dioclea</i> sp.	Farias, R	399	03/05/2001		Liana/vine	Terrestrial	CEN
<i>Dioclea virgata</i> (Rich.) Amshoff	Cavalcanti, TB	2740	14/06/2002		Liana/vine	Terrestrial	CEN
<i>Enterolobium gummiferum</i> (Mart.) J.F.Macbr.	Simon, MF	3731	07/08/2019	Simon, MF	Tree	Terrestrial	CEN
<i>Enterolobium schomburgkii</i> (Benth.) Benth.	Simon, MF	3453	03/10/2018	Simon, MF	Tree	Terrestrial	CEN
<i>Eriosema campestre</i> Benth.	Silva, DP	722	08/06/2015		Subshrub	Terrestrial	UB
<i>Eriosema crinitum</i> (Kunth) G.Don	Schindler, B	389	18/03/2022	Schindler, B	Subshrub	Terrestrial	CEN
<i>Eriosema venulosum</i> Benth.	Souza, RR	42	15/06/2021	Rando, JG	Subshrub	Terrestrial	CEN
<i>Erythrina variegata</i> L.	Caxambu, MG	3200	01/08/2010	Siniscalchi, C	Tree	Terrestrial	HCF
<i>Galactia jussiaeana</i> Kunth	Antar, GM	1605	23/04/2017	Antar, GM	Subshrub	Terrestrial	SPF
<i>Galactia striata</i> (Jacq.) Urb.	Souza, RR	252	15/03/2022	Walter, BMT	Liana/vine	Terrestrial	CEN
<i>Hymenaea courbaril</i> L.	Simon, MF	4152	28/02/2021	Simon, MF	Tree	Terrestrial	CEN
<i>Hymenaea eriogyne</i> Benth.	Souza, RR	242	15/03/2022	Lima, AG	Shrub, Tree	Terrestrial	CEN
<i>Hymenaea longifolia</i> (Benth.) I.M.Souza, Funch & Queiroz, LP	Góes, BTM Equipe ESEC	182	08/11/2015	Queiroz, LP	Tree	Terrestrial	IBGE
<i>Hymenaea stigonocarpa</i> Mart. ex Hayne	Serra Geral - TO	35	07/08/2019	Walter, BMT	Tree	Terrestrial	CEN
<i>Hymenaea velutina</i> Ducke	Simon, MF	3473	04/10/2018	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Indigofera</i> sp.	Assis, JS	163	09/04/1978	Duré, R	Subshrub	Terrestrial	RB
<i>Inga marginata</i> Willd.	Caxambu, MG	3140	01/08/2010	Cordeiro, J	Tree	Terrestrial	HCF
<i>Leptolobium dasycarpum</i> Vogel	Simon, MF	3449	03/10/2018	Martins, MS	Tree	Terrestrial	CEN
<i>Leptospron adenanthum</i> (G.Mey.) A.Delgado	Cavalcanti, TB	2784	14/06/2002		Liana/vine	Terrestrial	CEN
<i>Machaerium leiophyllum</i> (DC.) Benth.	Davidse, G	18096	09/04/1980	Morim, MP	Liana/vine	Terrestrial	HERBMG
<i>Machaerium opacum</i> Vogel	Simon, MF	3564	05/10/2018	Simon, MF	Tree	Terrestrial	CEN
<i>Macropsychanthus coriaceus</i> (Benth.) Queiroz, LP & Snak	Souza, RR	26	15/06/2021	Souza, RR	Liana/vine	Terrestrial	CEN
<i>Macropsychanthus latifolius</i> (Benth.) Queiroz, LP & Snak	Labiak, PH	5948	07/03/2015	Queiroz, LP	Liana/vine Herb,	Terrestrial	HUEFS
<i>Mimosa burchellii</i> Benth.	Simon, MF	3521	05/10/2018	Simon, MF	Subshrub	Terrestrial	CEN
<i>Mimosa flabellifolia</i> Barneby *	Simon, MF	4212	15/03/2022	Simon, MF	Herb	Terrestrial	CEN
<i>Mimosa flocculosa</i> Burkart	Caxambu, MG	3141	01/08/2010	Caxambu, MG	Shrub, Tree	Terrestrial	HCF

<i>Mimosa foliolosa</i> Benth.	Simon, MF	4223	16/03/2022	Simon, MF	Shrub	Terrestrial	CEN
<i>Mimosa gardneri</i> Benth.	Simon, MF	3768	09/08/2019	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Mimosa hirsutissima</i> Mart.	Simon, MF	4184	02/03/2021	Simon, MF	Subshrub Shrub,	Terrestrial	CEN
<i>Mimosa hypoglauca</i> Mart.	Simon, MF	425	11/05/2001	Simon, MF	Subshrub	Terrestrial	CEN
<i>Mimosa piptoptera</i> Barneby	Antar, GM	300	31/10/2013	Antar, GM	Herb	Terrestrial	CEN
<i>Mimosa polycephala</i> Benth.	Rando, JG	1330	06/08/2019	Simon, MF	Subshrub	Terrestrial	CEN
<i>Mimosa sericantha</i> Benth.	Serra Geral - TO Equipe ESEC	28	06/08/2019	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Mimosa setosa</i> Benth.	Serra Geral - TO	103	17/01/2020	Simon, MF	Shrub	Rupicolous, Terrestrial	CEN
<i>Mimosa skinneri</i> Benth.	Simon, MF	4070	26/02/2021	Simon, MF	Herb	Terrestrial	CEN
<i>Mimosa somnians</i> Humb. & Bonpl. ex Willd.	Souza, RR	47	16/06/2021	Simon, MF	Subshrub Shrub,	Terrestrial	CEN
<i>Mimosa spixiana</i> Barneby	Lombardi, JA	10351	02/07/2014	Borges, LM	Subshrub	Terrestrial	SPF
<i>Mimosa ursina</i> Mart.	Antar, GM	798	03/02/2015	Antar, GM	Herb Shrub,	Terrestrial	CEN
<i>Mimosa xanthocentra</i> Mart.	Assis, JS	160	09/04/1978	Borges, LM	Subshrub	Terrestrial	RB
<i>Ormosia</i> sp.	Souza, RR	174	20/06/2021		Tree	Terrestrial	CEN
<i>Parkia platycephala</i> Benth.	Souza, RR	74	17/06/2021	Simon, MF	Tree	Terrestrial	CEN
<i>Peltogyne confertiflora</i> (Mart. ex Hayne) Benth.	Souza, RR	49	16/06/2021	Walter, BMT Walter, BMT &	Tree	Terrestrial	CEN
<i>Peltogyne pauciflora</i> Benth.	Simon, MF	3515	05/10/2018	Simon, MF	Tree Shrub,	Terrestrial	CEN
<i>Periandra mediterranea</i> (Vell.) Taub.	Souza, RR	227	15/03/2022	Simon, MF	Subshrub	Terrestrial	CEN
<i>Plathymenia reticulata</i> Benth.	Simon, MF	3351	02/10/2018	Simon, MF	Shrub, Tree	Terrestrial	RB
<i>Pterodon emarginatus</i> Vogel	Simon, MF	3567	05/10/2018	Simon, MF	Tree	Terrestrial	CEN
<i>Senegalia globosa</i> (Bocage & Miotto) Queiroz, LP	Simon, MF	4061	26/02/2021	Simon, MF	Shrub	Terrestrial	CEN
<i>Senna biglandularis</i> A.O.Araujo	Souza, RR	83	17/06/2021	Lima, AG	Shrub	Terrestrial	CEN
<i>Senna obtusifolia</i> (L.) H.S.Irwin & Barneby	Antar, GM	799	03/02/2015	Antar, GM	Herb, Subshrub	Terrestrial	SPF
<i>Senna occidentalis</i> (L.) Link	Antar, GM	800	03/02/2015	Antar, GM	Shrub, Subshrub	Terrestrial	SPF

<i>Senna rugosa</i> (G.Don) H.S.Irwin & Barneby	Souza, RR	80	17/06/2021	Rando, JG	Shrub, Subshrub	Terrestrial	CEN
<i>Senna silvestris</i> (Vell.) H.S.Irwin & Barneby	Simon, MF	4104	27/02/2021	Simon, MF	Shrub, Tree, Subshrub	Terrestrial	CEN
<i>Stryphnodendron adstringens</i> (Mart.) Coville	Sampaio, AB	467	06/05/2001	Sampaio, AB	Shrub, Tree	Terrestrial	UB
<i>Stryphnodendron coriaceum</i> Benth.	Simon, MF	3482	04/10/2018	Simon, MF	Tree	Terrestrial	CEN
<i>Stryphnodendron rotundifolium</i> Mart.	Simon, MF	4076	26/02/2021	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Stylosanthes capitata</i> Vogel	Antar, GM	1613	24/04/2017	Antar, GM & Siniscalchi, CM	Subshrub	Terrestrial	CEN
<i>Stylosanthes gracilis</i> Kunth	Antar, GM	807	04/02/2015	Siniscalchi, CM	Subshrub	Terrestrial	CEN
<i>Stylosanthes guianensis</i> (Aubl.) Sw.	Simon, MF Equipe ESEC	3980	24/02/2021	Simon, MF	Subshrub	Terrestrial	CEN
<i>Tachigali aurea</i> Tul.	Serra Geral - TO	50	07/08/2019	Walter, BMT	Tree	Terrestrial	CEN
<i>Tachigali rubiginosa</i> (Mart. ex Tul.) Oliveira-Filho	Simon, MF	3566	05/10/2018	Simon, MF	Tree	Terrestrial	CEN
<i>Tachigali subvelutina</i> (Benth.) Oliveira-Filho	Simon, MF	3416	02/10/2018	Simon, MF	Tree	Terrestrial	CEN
<i>Vatairea macrocarpa</i> (Benth.) Ducke	Souza, RR	165	20/06/2021	Simon, MF	Tree	Terrestrial	CEN
<i>Zornia latifolia</i> Sm.	Antar, GM	772	01/02/2015	Perez, APF	Subshrub	Terrestrial	CEN
<i>Zygia cataractae</i> (Kunth) L.Rico	Simon, MF	4112	27/02/2021	Simon, MF	Tree	Terrestrial	CEN

Gentianaceae

<i>Calolisianthus</i> sp.	Santos, ER	2524	14/01/2020		Herb	Terrestrial	HUTO
<i>Chelonanthus viridiflorus</i> (Mart.) Gilg	Silva, DP	397	04/06/2015		Herb	Terrestrial	UB
<i>Chelonanthus</i> sp.	Figueira, M	1709	25/02/2021		Herb	Terrestrial	CEN
<i>Curtia tenuifolia</i> (Aubl.) Knobl.	Silva, DP	88	04/11/2014		Herb	Terrestrial	UB
<i>Curtia</i> sp.	Paula-Souza, J	9199	08/10/2007		Herb	Terrestrial	SPF
<i>Deianira chiquitana</i> Herzog	Silva, DP	723	08/06/2015		Herb	Terrestrial	UB
<i>Deianira erubescens</i> Cham. & Schldl.	Simon, MF	4254	19/03/2022	Walter, BMT	Herb	Terrestrial	CEN
<i>Deianira pallescens</i> Cham. & Schldl.	Simon, MF	4255	19/03/2022	Walter, BMT	Herb	Terrestrial	CEN
<i>Schultesia benthamiana</i> Klotzsch ex Griseb.	Farias, R	408	03/05/2001	Schultesia	Herb	Terrestrial	UB

<i>Schultesia guianensis</i> (Aubl.) Malme	Schindler, B	185	15/06/2021	Walter, BMT	Herb	Terrestrial	CEN
<i>Schultesia heterophylla</i> Miq.	Silva, DP	311	11/12/2014		Herb	Terrestrial	UB
<i>Symphyllophyton caprifolioides</i> Gilg	Figueira, M	1751	16/06/2021	Schindler, B	Herb	Terrestrial	CEN
<i>Tetrapollinia caerulea</i> (Aubl.) Maguire & B.M.Boom	Souza, RR	36	15/06/2021	Walter, BMT	Herb	Terrestrial	CEN
<i>Voyria aphylla</i> (Jacq.) Pers.	Simon, MF	4158	28/02/2021	Simon, MF	Herb	Saprophyte, Terrestrial	CEN

Gesneriaceae

<i>Sinningia elatior</i> (Kunth) Chautems	Souza, RR	14	15/06/2021	Souza, RR	Herb	Terrestrial	CEN
<i>Nautilocalyx</i> sp.	Simon, MF	4151	28/02/2021		Herb	Terrestrial	CEN

Haemodoraceae

<i>Schiekia orinocensis</i> (Kunth) Meisn.	Figueira, M	1712	25/02/2021	Walter, BMT	Herb	Aquatic, Rupicolous, Terrestrial	CEN
<i>Schiekia timida</i> M.Pell. et al.	Schindler, B	359	15/03/2022	Schindler, B	Herb	Aquatic, Terrestrial	CEN

Heliconiaceae

<i>Heliconia psittacorum</i> L.f.	Simon, MF	3498	04/10/2018	Walter, BMT	Herb	Terrestrial	CEN
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Humiriaceae

<i>Humiria balsamifera</i> (Aubl.) A.St.-Hil.	Simon, MF	3556	05/10/2018	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Sacoglottis guianensis</i> Benth.	Souza, RR	231	15/03/2022	Liuth, HS	Tree	Terrestrial	CEN

Hypericaceae

<i>Vismia cayennensis</i> (Jacq.) Pers.	Figueira, M	1718	28/02/2021	Shimizu, GH	Tree	Terrestrial	CEN
<i>Vismia guianensis</i> (Aubl.) Choisy	Souza, RR	294	18/03/2022	Walter, BMT	Shrub, Tree	Terrestrial	CEN

Iridaceae

<i>Alophia</i> sp.	Antar, GM	684	29/01/2015	Eggers, L	Herb	Terrestrial	CEN
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<i>Cipura formosa</i> Ravenna	Souza, RR	259	16/03/2022	Pastori, T	Herb	Rupicolous, Terrestrial	CEN
<i>Cipura paludosa</i> Aubl.	Simon, MF	3964	24/02/2021	Walter, BMT	Herb	Terrestrial	CEN
<i>Cipura xanthomelas</i> Klatt	Figueira, M	1703	25/02/2021	Dias, EBA	Herb	Terrestrial	CEN
<i>Pseudotrimezia cathartica</i> (Klatt) Ravenna	Antar, GM	291	30/10/2013	Chukr, NS	Herb	Terrestrial	SPF
<i>Pseudotrimezia juncifolia</i> (Klatt) Lovo & A.Gil	Souza, RR	203	15/03/2022	Walter, BMT	Herb	Terrestrial	CEN
<i>Sisyrrinchium vaginatum</i> Spreng.	Simon, MF	4241	18/03/2022	Simon, MF	Herb	Terrestrial	CEN
<i>Trimezia</i> sp.	Simon, MF	3487	04/10/2018		Herb	Terrestrial	CEN

Krameriaceae

<i>Krameria argentea</i> Mart. ex Spreng.	Cavalcanti, TB	2775	14/06/2002	Pastore, JFB	Shrub, Subshrub	Hemiparasite, Terrestrial	CEN
<i>Krameria tomentosa</i> A.St.-Hil.	Simon, MF	3734	08/08/2019	Simon, MF	Shrub, Subshrub	Hemiparasite, Terrestrial	CEN

Lamiaceae

<i>Aegiphila integrifolia</i> (Jacq.) Moldenke	Caxambu, MG	3230	02/08/2010	Caxambu, MG	Shrub, Tree	Terrestrial	CEN
<i>Aegiphila verticillata</i> Vell.	Simon, MF	4089	26/02/2021	Simon, MF	Shrub, Tree, Subshrub	Terrestrial	CEN
<i>Amasonia lasiocaulos</i> Mart. & Schauer ex Schauer	Souza, RR	235	15/03/2022	Walter, BMT	Subshrub	Terrestrial	CEN
<i>Amasonia campestris</i> (Aubl.) Moldenke	Figueira, M	1691	24/02/2021	Figueira, M & Schindler, B	Shrub, Subshrub	Terrestrial	SPF
<i>Cantinoa rubicunda</i> (Pohl ex Benth.) Harley & J.F.B.Pastore	Assis, JS	166	09/04/1978	Harley, RM	Herb, Subshrub	Terrestrial	RB
<i>Cyanocephalus adpressus</i> (A.St.-Hil. ex Benth.) Harley & J.F.B.Pastore	Alves, RBN	177	23/05/2017	Schlieve, MA	Subshrub	Terrestrial	CEN
<i>Cyanocephalus selaginifolius</i> (Mart. ex Benth.) Harley & J.F.B.Pastore	Figueira, M	1023	06/08/2019	Antar, GM	Shrub, Subshrub	Terrestrial	CEN
<i>Eriope arenaria</i> Harley	Paula-Souza, J	9128	07/10/2007	Silva-Luz, CL	Herb, Subshrub	Rupicolous, Terrestrial	SPF
<i>Eriope parvifolia</i> Mart.	Simon, MF	3750	08/08/2019	Walter, BMT	Subshrub	Terrestrial	CEN
<i>Hypenia irregularis</i> (Benth.) Harley	Paula-Souza, J	9178	07/10/2007	Silva-Luz, CL	Subshrub	Terrestrial	CEN
<i>Hypenia</i> sp.	Souza, RR	103	17/06/2021		Shrub	Terrestrial	HCF
<i>Hyptidendron conspersum</i> (Benth.) Harley *	Figueira, M	1029	07/08/2019	Antar, GM	Shrub, Tree	Terrestrial	CEN

<i>Hyptis arenaria</i> Benth.	Assis, JS	199	10/04/1978	Harley, RM	Herb, Subshrub	Terrestrial	RB
<i>Hyptis campestris</i> Harley & J.F.B.Pastore	Simon, MF	4103	27/02/2021	Antar, GM	Herb, Subshrub Shrub,	Terrestrial	CEN
<i>Hyptis crenata</i> Pohl ex Benth.	Schindler, B	182	15/06/2021	Antar, GM	Subshrub	Terrestrial	CEN
<i>Hyptis fallax</i> Harley	Silva, DP	471	05/06/2015		Subshrub	Terrestrial	UB
<i>Hyptis rubiginosa</i> Benth.	Caxambu, MG	3188	01/08/2010	Cordeiro, J	Shrub	Terrestrial	HCF
<i>Hyptis turnerifolia</i> Mart. ex Benth.	Figueira, M	1068	09/08/2019	Antar, GM	Subshrub	Terrestrial	HCF
<i>Hyptis</i> sp.	Alves, RBN	177	23/05/2017	Buchoski, MG	Shrub	Terrestrial	CEN
<i>Marsypianthes foliolosa</i> Benth.	Paula-Souza, J	9177	07/10/2007	Antar, GM	Herb, Subshrub	Terrestrial	CEN
<i>Medusantha multiflora</i> (Pohl ex Benth.) Harley & J.F.B.Pastore	Souza, RR	98	17/06/2021	Figueira, M	Shrub, Subshrub	Terrestrial	CEN
<i>Mesosphaerum suaveolens</i> (L.) Kuntze	Antar, GM	1570	21/04/2017	Antar, GM	Shrub, Herb, Subshrub	Terrestrial	SPF
<i>Vitex cymosa</i> Bertero ex Spreng.	Haidar, RF	1865	05/11/2017	Walter, BMT	Tree	Terrestrial	CEN
<i>Vitex rufescens</i> A.Juss.	Simon, MF	3421	03/10/2018	Walter, BMT	Tree	Terrestrial	RB

Lauraceae

<i>Aiouea glaziovii</i> (Mez) R.Rohde	Figueira, M	1030	07/08/2019	Walter, BMT	Tree	Terrestrial	CEN
<i>Aiouea trinervis</i> Meisn.	Souza, RR	163	20/06/2021	Alves, FM	Shrub, Tree	Terrestrial	CEN
<i>Cassytha filiformis</i> L.	Figueira, M Equipe ESEC	1695	25/02/2021	Walter, BMT	Liana/vine	Hemiparasite	CEN
<i>Nectandra gardneri</i> Meisn.	Serra Geral - TO	44	07/08/2019	Walter, BMT	Tree	Terrestrial	CEN
<i>Persea aurata</i> Miq.	Sampaio, AB	374	03/05/2001	Moraes, PLR	Tree	Terrestrial	UB
<i>Ocotea aciphylla</i> (Nees & Mart.) Mez	Schindler, B	375	16/03/2022	Alves, FM	Tree	Terrestrial	HCF
<i>Ocotea glomerata</i> (Nees) Mez	Caxambu, MG	3163	01/08/2010	Brotto, ML	Tree	Terrestrial	SPF
<i>Ocotea lancifolia</i> (Schott) Mez	Figueira, M	1717	26/02/2021	Alves, FM	Shrub, Tree	Terrestrial	CEN
<i>Ocotea nitida</i> (Meisn.) Rohwer	Simon, MF	3562	05/10/2018	Walter, BMT	Shrub, Tree	Terrestrial	CEN
<i>Ocotea notata</i> (Nees & Mart.) Mez	Paula-Souza, J	9170	07/10/2007	Assis, LCS	Tree	Terrestrial	SPF
<i>Ocotea velloziana</i> (Meisn.) Mez	Sampaio, AB	369	03/05/2001	Moraes, PLR	Shrub, Tree	Terrestrial	UB

<i>Ocotea xanthocalyx</i> (Nees) Mez	Equipe ESEC Serra Geral - TO	68	07/08/2019	Walter, BMT	Tree	Terrestrial	CEN
<i>Ocotea</i> sp.	Simon, MF	3977	24/02/2021		Shrub, Tree	Terrestrial	CEN

Lecythidaceae

<i>Cariniana rubra</i> Gardner ex Miers	Simon, MF	4126	27/02/2021	Simon, MF	Tree	Terrestrial	CEN
<i>Eschweilera grandiflora</i> (Aubl.) Sandwith	Sampaio, AB	363	03/05/2001	Sampaio, AB	Tree	Terrestrial	UB
<i>Eschweilera nana</i> (O.Berg) Miers	Simon, MF	3507	05/10/2018	Simon, MF	Shrub, Tree	Terrestrial	CEN

Lentibulariaceae

<i>Genlisea filiformis</i> A.St.-Hil.	Souza, RR	313		Gonella, PM	Herb	Terrestrial	CEN
<i>Genlisea guianensis</i> N.E.Br.	Forzza, RC	8500	03/03/2015	Guedes, FM	Herb	Aquatic	RB
<i>Genlisea oxycetron</i> P.Taylor	Rivadavia, F	2254	17/06/2006	Guedes, FM	Herb	Terrestrial	SPF
<i>Genlisea repens</i> Benj.	Rivadavia, F	2255	17/06/2006	Rivadavia, F	Herb	Terrestrial	SPF
<i>Utricularia amethystina</i> Salzm. ex A.St.-Hil. & Girard	Souza, RR	193	15/03/2022	Gonella, PM	Herb	Rupicolous, Terrestrial	CEN
<i>Utricularia cucullata</i> A.St.-Hil. & Girard	Forzza, RC	8498	03/03/2015	Guedes, FM	Herb	Aquatic	RB
<i>Utricularia juncea</i> Vahl	Silva, DP	381	04/06/2015		Herb	Terrestrial	UB
<i>Utricularia nana</i> A.St.-Hil. & Girard	Rivadavia, F	2203	13/06/2006	Rivadavia, F	Herb	Terrestrial	SPF
<i>Utricularia neottioides</i> A.St.-Hil. & Girard	Rivadavia, F	2256	17/06/2006	Rivadavia, F	Herb	Aquatic, Rupicolous	SPF
<i>Utricularia nervosa</i> Weber ex Benj.	Forzza, RC	8506	04/03/2015	Guedes, FM	Herb	Terrestrial	RB
<i>Utricularia simulans</i> Pilg.	Souza, RR	191	15/03/2022	Gonella, PM	Herb	Terrestrial	CEN
<i>Utricularia subulata</i> L.	Souza, RR	189	15/03/2022	Gonella, PM	Herb	Terrestrial	CEN
<i>Utricularia trichophylla</i> Spruce ex Oliv.	Forzza, RC	8499	03/03/2015	Guedes, FM	Herb	Aquatic, Terrestrial	RB

Loganiaceae

<i>Antonia ovata</i> Pohl	Simon, MF	2408	02/10/2018	Simon, MF	Tree	Rupicolous, Terrestrial	RB
<i>Spigelia schlechtendaliana</i> Mart.	Souza, RR	206	15/03/2022	Macedo, A	Herb Shrub,	Terrestrial	K
<i>Strychnos parvifolia</i> A.DC.	Figueira, M	1693	25/02/2021	Walter, BMT	Liana/vine	Terrestrial	CEN

<i>Strychnos pseudoquina</i> A.St.-Hil.	Simon, MF	3424	03/10/2018	Simon, MF	Shrub, Tree Shrub,	Terrestrial	CEN
<i>Strychnos rubiginosa</i> A.DC.	Martinelli, G	21506	14/01/2020	Walter, BMT	Liana/vine	Terrestrial	CEN

Loranthaceae

<i>Passovia ovata</i> (Pohl ex DC.) Tiegh.	Simon, MF	3484	04/10/2018	Walter, BMT	Herb	Hemiparasite	CEN
<i>Psittacanthus eucalyptifolius</i> (Kunth) G.Don	Souza, RR	288	18/03/2022	Dettke, GA	Herb	Hemiparasite	CEN
<i>Struthanthus flexicaulis</i> (Mart.) Mart.	Antar, GM	360	21/01/2014	Dettke, GA	Herb	Hemiparasite	HCF

Lythraceae

<i>Cuphea antisyphilitica</i> Kunth	Souza, RR	9	15/06/2021	Cavalcanti, TB	Subshrub Herb,	Terrestrial	CEN
<i>Cuphea micrantha</i> Kunth	Simon, MF	3972	24/02/2021	Cavalcanti, TB	Subshrub	Terrestrial	CEN
<i>Cuphea sessilifolia</i> Mart.	Simon, MF	3460	03/10/2018	Facco, MG	Subshrub	Aquatic, Terrestrial	CEN
<i>Diplusodon helianthemifolius</i> DC.	Simon, MF	4053	26/02/2021	Cavalcanti, TB	Subshrub	Terrestrial	CEN
<i>Diplusodon incanus</i> Gardner	Souza, RR	82	17/06/2021	Cavalcanti, TB	Subshrub	Terrestrial	CEN
<i>Diplusodon macrodon</i> Koehne	Caxambu, MG	3216	02/08/2010	Barboza, E & Lozano, ED	Subshrub	Terrestrial	HCF
<i>Lafoensia pacari</i> A.St.-Hil.	Simon, MF	3561	05/10/2018	Martins, MS	Tree	Terrestrial	HCF

Malpighiaceae

<i>Banisteriopsis malifolia</i> (Nees & Mart.) B.Gates	Simon, MF	4109	27/02/2021	Simon, MF	Shrub, Subshrub	Terrestrial	CEN
<i>Banisteriopsis muricata</i> (Cav.) Cuatrec. <i>Banisteriopsis schizoptera</i> (A.Juss.) B.Gates	Antar, GM	744	31/01/2015	Francener, A	Liana/vine Shrub,	Terrestrial	SPF
	Orlandi, RP	56	10/04/1978	Vaz, A	Liana/vine Shrub,	Terrestrial	RB
<i>Banisteriopsis stellaris</i> (Griseb.) B.Gates	Souza, RR	127	18/06/2021	Almeida, RF	Liana/vine Shrub,	Terrestrial	CEN
<i>Banisteriopsis variabilis</i> B.Gates	Amorim, AM	9227	03/03/2015	Oliveira, RC	Liana/vine	Terrestrial	RB
<i>Byrsonima correifolia</i> A.Juss.	Souza, RR	105	17/06/2021	Almeida, RF	Shrub	Terrestrial	CEN
<i>Byrsonima crassifolia</i> (L.) Kunth	Simon, MF	3968	24/02/2021	Walter, BMT	Tree	Terrestrial	CEN

<i>Byrsonima cydoniifolia</i> A.Juss.	Caxambu, MG	3156	01/08/2010	Francener, A	Shrub, Tree	Terrestrial	HCF
<i>Byrsonima laevis</i> Nied.	Sampaio, AB	433	05/05/2001	Sampaio, AB	Tree	Terrestrial	UB
<i>Byrsonima laxiflora</i> Griseb.	Ferreira, MC	6	26/08/2016		Tree	Terrestrial	CEN
<i>Byrsonima oblongifolia</i> A.Juss.	Simon, MF Lemos, HL & Pinto, JRR	4012 104	25/02/2021 20/01/2016	Simon, MF	Subshrub Herb, Subshrub	Terrestrial	CEN UB
<i>Byrsonima sericea</i> DC.	Simon, MF	4003	24/02/2021	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Byrsonima umbellata</i> Mart. ex A.Juss.	Souza, RR	106	17/06/2021	Almeida, RF	Shrub, Tree	Terrestrial	CEN
<i>Byrsonima verbascifolia</i> (L.) DC.	Pereira, A	90	08/08/2019	Pereira, A Schindler, B & Figueira, M	Shrub, Tree Subshrub	Terrestrial	CEN CEN
<i>Camarea affinis</i> A.St.-Hil.	Simon, MF	4068	26/02/2021		Subshrub	Terrestrial	CEN
<i>Diplopterys amplexens</i> (B.Gates) W.R.Anderson & C.C.Davis	Souza, RR	50	16/06/2021	Almeida, RF	Shrub	Terrestrial	CEN
<i>Heteropterys pannosa</i> Griseb.	Antar, GM	748	31/01/2015	Francener, A	Subshrub	Terrestrial	SPF
<i>Janusia janusioides</i> (A.Juss.) W.R.Anderson	Simon, MF	4088	26/02/2021	Francener, A	Shrub, Liana/vine	Terrestrial	CEN
<i>Mascagnia divaricata</i> (Kunth) Nied.	Caxambu, MG	3254	03/08/2010	Almeida, RF	Liana/vine	Terrestrial	HCF
<i>Peixotoa goiana</i> C.E.Anderson	Souza, RR	93	17/06/2021	Almeida, RF	Subshrub	Terrestrial	CEN
<i>Stigmaphyllon paralias</i> A.Juss.	Farias, R	163	16/11/1998	Almeida, RF	Shrub	Terrestrial	UB

Malvaceae

<i>Ayenia angustifolia</i> A.St.-Hil. & Naudin	Simon, MF	4055	26/02/2021	Simon, MF	Shrub Shrub,	Terrestrial	CEN
<i>Ayenia latifolia</i> Cristóbal	Figueira, M	1667	24/02/2021	Figueira, M	Subshrub Shrub,	Terrestrial	CEN
<i>Cienfuegosia</i> sp. <i>Eriotheca candolleana</i> (K.Schum.) A.Robyns	Assis, JS Neto, O	168 3058171.2	09/04/1978 14/11/2017	Vaz, A Oliveira, ALR	Subshrub Tree	Terrestrial	RB UB
<i>Eriotheca gracilipes</i> (K.Schum.) A.Robyns	Simon, MF	3757	08/08/2019	Simon, MF	Tree	Terrestrial	CEN
<i>Helicteres brevispira</i> A.St.-Hil.	Simon, MF	4066	26/02/2021	Walter, BMT	Shrub, Tree	Terrestrial	CEN
<i>Helicteres corylifolia</i> Nees & Mart.	Souza, RR	250		Souza, RR	Shrub	Terrestrial	CEN
<i>Helicteres krapovickasii</i> Cristóbal *	Souza, RR	241	15/03/2022	Souza, RR	Subshrub	Terrestrial	CEN

<i>Helicteres velutina</i> K.Schum.	Simon, MF	3491	04/10/2018	Walter, BMT	Shrub, Subshrub	Terrestrial	CEN
<i>Krapovickasia macrodon</i> (A.DC.) Fryxell	Antar, GM	423	19/03/2014	Antar, GM	Herb	Terrestrial	SPF
<i>Luehea paniculata</i> Mart.	Simon, MF	4124	27/02/2021	Walter, BMT	Tree	Terrestrial	CEN
<i>Melochia villosa</i> (Mill.) Fawc. & Rendle	Simon, MF	4028	25/02/2021	Walter, BMT	Shrub	Terrestrial	CEN
<i>Pavonia cancellata</i> (L.) Cav.	Schindler, B	213	20/06/2021	Schindler, B	Herb	Terrestrial	CEN
<i>Pavonia rosa-campestris</i> A.St.-Hil.	Souza, RR	168	20/06/2021	Souza, RR	Subshrub Shrub, Subshrub	Terrestrial	CEN
<i>Peltaea macedoi</i> Krapov. & Cristóbal	Souza, RR	295	18/03/2022	Souza, RR	Subshrub	Terrestrial	CEN
<i>Pseudobombax longiflorum</i> (Mart.) A.Robyns	Caxambu, MG	3251	03/08/2010	Caxambu, MG	Tree	Rupicolous, Terrestrial	HCF
<i>Pseudobombax tomentosum</i> (Mart.) A.Robyns	Labiak, PH	5955	07/03/2015	Yoshikawa, VN	Tree	Terrestrial	RB
<i>Sida angustissima</i> A.St.-Hil.	Souza, RR	278	17/03/2022	Souza, RR	Subshrub	Terrestrial	CEN
<i>Sida castanocarpa</i> Krapov.	Antar, GM	805	04/02/2015	Antar, GM	Subshrub Herb,	Terrestrial	SPF
<i>Sida cordifolia</i> L.	Souza, RR	277	17/03/2022	Souza, RR	Subshrub Shrub,	Terrestrial	CEN
<i>Sida silvaniana</i> Krapov.	Souza, RR	281	18/03/2022	Souza, RR	Subshrub	Terrestrial	CEN
<i>Waltheria albicans</i> Turcz.	Antar, GM	726	30/01/2015	Coutinho, TS	Shrub	Terrestrial	SPF
<i>Waltheria brachypetala</i> Turcz.	Paula-Souza, J	9188	08/10/2007	Antar, GM	Shrub	Terrestrial	SPF
<i>Waltheria communis</i> A.St.-Hil.	Caxambu, MG	3201	02/08/2010	Caxambu, MG	Subshrub	Terrestrial	HCF
<i>Waltheria coriacea</i> J.G. Saunders	Souza, RR	228	15/03/2022	Souza, RR	Shrub	Terrestrial	CEN
<i>Waltheria excelsa</i> Turcz.	Schindler, B	387	17/03/2022	Coutinho, TS	Subshrub	Terrestrial	CEN
<i>Waltheria flavovirens</i> J.G.Saunders	Simon, MF	4022	25/02/2021	Coutinho, TS	Shrub	Terrestrial	CEN

Marantaceae

<i>Goepertia</i> sp.	Simon, MF	4120	27/02/2021		Herb	Terrestrial	CEN
<i>Maranta longiflora</i> S.Vieira & V.C.Souza	Antar, GM	735	31/01/2015	Antar, GM	Herb	Terrestrial	CEN
<i>Maranta ruiziana</i> Körn.	Simon, MF	4074	26/02/2021	Simon, MF	Herb	Terrestrial	CEN
<i>Monotagma laxum</i> (Poepp. & Endl.) K.Schum.	Souza, RR	216	15/03/2022	Fraga, FRM	Herb	Terrestrial	CEN
<i>Monotagma plurispicatum</i> (Körn.) K.Schum.	Simon, MF	4118	27/02/2021	Simon, MF	Herb	Terrestrial	CEN

<i>Myrosma cannifolia</i> L.f.	Assis, JS	159	09/04/1978	Fraga, FRM	Herb	Terrestrial	RB
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Marcgraviaceae

<i>Norantea guianensis</i> Aubl.	Equipe ESEC Serra Geral - TO	2	06/08/2019	Simon, MF	Liana/vine	Hemiepiphyte, Terrestrial	CEN
<i>Schwartzia adamantium</i> (Cambess.) Bedell ex Gir.-Cañas	Simon, MF	3739	08/08/2019	Simon, MF	Shrub, Tree	Terrestrial	CEN

Mayacaceae

<i>Mayaca sellowiana</i> Kunth	Schindler, B	193	16/06/2021	Schindler, B & Figueira, M	Herb	Aquatic, Terrestrial	CEN
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Melastomataceae

<i>Aciotis</i> sp.	Souza, RR	215	15/03/2022	Silva, DN	Herb	Terrestrial	CEN
<i>Acisanthera uniflora</i> (Vahl) Gleason	Souza, RR	202	15/03/2022	Silva, DN	Herb	Terrestrial	CEN
<i>Cambessedesia hilariana</i> (Kunth) DC.	Simon, MF	3546	05/10/2018	Walter, BMT	Shrub, Herb, Subshrub	Terrestrial	CEN
<i>Cambessedesia membranacea</i> Gardner	Labiak, PH	5909	06/03/2015	Goldenberg, R	Shrub, Herb, Subshrub	Terrestrial	RB
<i>Clidemia sericea</i> D.Don	Figueira, M	1810	15/03/2022	Figueira, M	Shrub	Terrestrial	CEN
<i>Desmoscelis villosa</i> (Aubl.) Naudin	Simon, MF	3462	03/10/2018	Walter, BMT	Shrub, Herb, Subshrub	Terrestrial	CEN
<i>Henriettea ovata</i> (Cogn.) Penneys, F.A. Michelangeli, Judd et Almeda	Simon, MF	3463	03/10/2018	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Leandra</i> sp.	Paula-Souza, J Equipe ESEC	9106	07/10/2007		Shrub	Terrestrial	SPF
<i>Macairea radula</i> (Bonpl.) DC.	Serra Geral - TO	7	06/08/2019	Simon, MF	Shrub, Tree, Subshrub	Rupicolous, Terrestrial	CEN
<i>Miconia albicans</i> (Sw.) Steud.	Souza, RR	254	16/03/2022	Walter, BMT	Shrub, Tree	Terrestrial	CEN
<i>Miconia chamissois</i> Naudin	Equipe ESEC Serra Geral - TO	13	06/08/2019	Walter, BMT & Pereira, JB	Shrub, Tree	Terrestrial	CEN
<i>Miconia ciliata</i> (Rich.) DC.	Souza, RR	219	15/03/2022	Simon, MF	Shrub	Terrestrial	CEN
<i>Miconia elegans</i> Cogn.	Simon, MF	3494	04/10/2018	Walter, BMT	Shrub, Tree	Terrestrial	CEN
<i>Miconia ferruginata</i> DC.	Simon, MF	4172	01/03/2021	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Miconia holosericea</i> (L.) DC.	Souza, RR	223	15/03/2022	Silva, DN	Shrub, Tree	Terrestrial	CEN

<i>Miconia leucocarpa</i> DC.	Simon, MF	3440	03/10/2018	Walter, BMT	Shrub, Tree	Terrestrial	CEN
<i>Miconia macrothyrsa</i> Benth.	Labiak, PH	5880	05/03/2015	Goldenberg, R	Shrub	Terrestrial	RB
<i>Miconia nervosa</i> (Sm.) Triana	Simon, MF	4153	28/02/2021	Walter, BMT	Shrub, Tree	Terrestrial	CEN
<i>Miconia nordestina</i> R.Goldenb. & E.C.O.Chagas	Pereira-Silva, G	3625	21/09/1996	Goldenberg, R	Shrub, Tree	Terrestrial	CEN
<i>Miconia stenostachya</i> DC.	Paula-Souza, J	9146	07/10/2007	Rezende, AR	Shrub	Terrestrial	SPF
<i>Miconia theaezans</i> (Bonpl.) Cogn.	Labiak, PH	5850	03/03/2015	Goldenberg, R	Shrub, Tree	Terrestrial	UPCB
<i>Microlicia cryptandra</i> Naudin	Caxambu, MG	3197	01/08/2010	Pacífico, RB	Shrub Shrub,	Terrestrial	HCF
<i>Microlicia insignis</i> Schtdl.	Labiak, PH	5856	04/03/2015	Versiane, AFA	Subshrub	Terrestrial	UPCB
<i>Microlicia polystemma</i> Naudin	Melo, A	1409	20/04/2017	Walter, BMT	Subshrub	Terrestrial	CEN
<i>Microlicia viminalis</i> (DC.) Triana	Silva, DP	96	04/11/2014		Subshrub	Terrestrial	UB
<i>Microlicia</i> sp.	Souza, RR	137	19/06/2021	Silva, DN	Shrub	Terrestrial	CEN
<i>Mouriri elliptica</i> Mart.	Simon, MF	3384	02/10/2018	Simon, MF Figueira, M & Schindler, B	Shrub, Tree	Terrestrial	CEN
<i>Mouriri gardneri</i> Triana	Figueira, M	1696	25/02/2021	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Mouriri pusa</i> Gardner	Souza, RR	44	15/06/2021	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Pleroma setosociliatum</i> (Cogn.) F.S. Mey. & F.B. Matos	Caxambu, MG	3202	02/08/2010	Brotto, ML	Subshrub	Terrestrial	HCF
<i>Pleroma tuberosum</i> Gardner ex Triana	Labiak, PH	5908	06/03/2015	Goldenberg, R	Subshrub	Rupicolous, Terrestrial	RB
<i>Pterolepis polygonoides</i> (DC.) Triana	Cavalcanti, TB	2768	14/06/2002	Walter, BMT	Herb	Terrestrial	CEN
<i>Pterolepis repanda</i> (DC.) Triana	Silva, DP	13	02/11/2014		Herb	Terrestrial	UB
<i>Pterolepis</i> sp.	Souza, RR	269	16/03/2022	Silva, DN	Shrub Shrub,	Terrestrial	CEN
<i>Rhynchanthera gardneri</i> Naudin	Caxambu, MG	3180	01/08/2010	Pacífico, RB	Subshrub	Terrestrial	HCF
<i>Siphanthera foliosa</i> (Naudin) Wurdack	Simon, MF	3743	09/08/2019	Simon, MF	Herb	Terrestrial	CEN
<i>Tibouchina llanorum</i> Wurdack	Souza, RR	257	16/03/2022	Silva, DN	Shrub	Terrestrial	CEN
<i>Tibouchina papyrus</i> (Pohl) Toledo	Simon, MF	4169	01/03/2021	Simon, MF	Tree	Terrestrial	CEN
<i>Tibouchina</i> sp.1	Simon, MF	4222	16/03/2022	Goldenberg, R	Shrub	Terrestrial	CEN
<i>Tibouchina</i> sp.2	Figueira, M	1816	16/03/2022		Shrub	Terrestrial	CEN
<i>Tococa guianensis</i> Aubl.	Equipe ESEC Serra Geral - TO	58	07/08/2019	Walter, BMT	Tree, Subshrub	Terrestrial	CEN

<i>Tococa nitens</i> (Benth.) Triana	Simon, MF	3535	05/10/2018	Simon, MF	Shrub	Terrestrial	CEN
Meliaceae							
<i>Guarea macrophylla</i> Vahl	Ferreira, MC	20	05/09/2016		Tree	Terrestrial	CEN
<i>Trichilia pallida</i> Sw.	Caxambu, MG	3196	01/08/2010		Shrub, Tree	Terrestrial	HCF
Menispermaceae							
<i>Abuta grandifolia</i> (Mart.) Sandwith	Souza, RR	233	15/03/2022	Walter, BMT	Shrub, Tree, Liana/vine	Terrestrial	CEN
<i>Cissampelos ovalifolia</i> DC.	Simon, MF	3988	24/02/2021	Simon, MF	Herb, Subshrub	Terrestrial	CEN
<i>Odontocarya duckei</i> Barneby	Simon, MF	3485	04/10/2018	Walter, BMT	Liana/vine	Terrestrial	CEN
Metteniusaceae							
<i>Emmotum nitens</i> (Benth.) Miers	Simon, MF	3480	04/10/2018	Martins, MS	Shrub, Tree	Terrestrial	CEN
Moraceae							
<i>Brosimum gaudichaudii</i> Trécul	Equipe ESEC Serra Geral - TO	22	06/08/2019	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Ficus americana</i> Aubl.	Ferreira, MC	14	01/09/2016	Pederneiras, LC	Tree	Hemiepiphyte	CEN
<i>Ficus guaranitica</i> Chodat	Caxambu, MG	3227	02/08/2010	Dettke, GA	Tree	Hemiepiphyte, Terrestrial	HCF
Myristicaceae							
<i>Virola sebifera</i> Aubl.	Souza, RR	213	15/03/2022	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Virola subsessilis</i> (Benth.) Warb.	Equipe ESEC Serra Geral - TO	24	06/08/2019	Walter, BMT	Shrub, Subshrub	Terrestrial	CEN
Myrtaceae							
<i>Eugenia albicans</i> (O.Berg) Urb.	Faria Jr, JEQ	347	20/09/2008	Faria Jr, JEQ	Tree	Terrestrial	UB
<i>Eugenia angustissima</i> O.Berg	Simon, MF	3410	02/10/2018	Faria Jr, JEQ	Shrub	Terrestrial	CEN

<i>Eugenia blanchetiana</i> O.Berg	Antar, GM	683	29/01/2015	Faria Jr, JEQ	Shrub	Terrestrial	SPF
<i>Eugenia copacabanensis</i> Kiaersk.	Escaramai, M	84	30/10/2013	Coutinho, K	Tree	Terrestrial	SPF
<i>Eugenia cupulata</i> Amshoff	Figueira, M	1687	24/02/2021	Figueira, M	Tree	Terrestrial	CEN
<i>Eugenia florida</i> DC.	Figueira, M	1774	20/06/2021	Figueira, M	Shrub, Tree	Terrestrial	CEN
<i>Eugenia gemmiflora</i> O.Berg	Faria Jr, JEQ	2151	12/11/2011	Faria Jr, JEQ	Shrub, Tree, Subshrub	Terrestrial	UB
<i>Eugenia hilariana</i> DC.	Antar, GM	782	01/02/2015	Faria Jr, JEQ	Shrub	Terrestrial	SPF
<i>Eugenia luetzelburgii</i> Burret ex Luetzelb.	Simon, MF	3512	05/10/2018	Faria Jr, JEQ	Shrub, Subshrub	Terrestrial	CEN
<i>Eugenia macrosperma</i> DC.	Cavalcanti, TB	2795	14/06/2002	Faria Jr, JEQ	Tree	Terrestrial	CEN
<i>Eugenia mansoi</i> O.Berg	Orlandi, RP	60	10/04/1978	Sobral, M	Shrub, Tree	Terrestrial	RB
<i>Eugenia mikanioides</i> O.Berg	Figueira, M	1766	18/06/2021	Faria Jr, JEQ	Shrub	Terrestrial	CEN
<i>Eugenia myrcianthes</i> Nied.	Lemos, HL & Pinto, JRR	93	20/01/2016	Rosa, PO	Shrub, Tree	Terrestrial	UB
<i>Eugenia puniceifolia</i> (Kunth) DC.	Souza, RR	90	17/06/2021	Faria Jr, JEQ	Shrub, Subshrub	Terrestrial	CEN
<i>Eugenia rigida</i> DC.	Faria Jr, JEQ	350	20/09/2008	Faria Jr, JEQ	Shrub	Terrestrial	UB
<i>Eugenia stictopetala</i> Mart. ex DC.	Souza, RR	85	17/06/2021	Faria Jr, JEQ	Shrub, Tree	Terrestrial	CEN
<i>Eugenia vetula</i> DC.	Souza, RR	75	17/06/2021	Faria Jr, JEQ	Shrub	Terrestrial	CEN
<i>Myrcia amazonica</i> DC.	Faria Jr, JEQ	352	20/09/2008	Faria Jr, JEQ	Shrub, Tree	Terrestrial	UB
<i>Myrcia bella</i> Cambess.	Antar, GM	456	17/09/2014	Santos, MF	Shrub, Tree	Terrestrial	CEN
<i>Myrcia cuspidata</i> (Mart. ex DC.) A.R.Lourenço & E.Lucas	Faria Jr, JEQ	353	20/09/2008	Faria Jr, JEQ	Tree	Terrestrial	UB
<i>Myrcia goyazensis</i> Cambess.	Figueira, M	1820	16/03/2022	Faria Jr, JEQ	Shrub, Subshrub	Terrestrial	CEN
<i>Myrcia guianensis</i> (Aubl.) DC.	Simon, MF	3434	03/10/2018	Faria Jr, JEQ	Shrub, Tree, Subshrub	Terrestrial	CEN
<i>Myrcia hartwegiana</i> (O.Berg) Kiaersk.	Caxambu, MG	3162	01/08/2010	Lima, DF	Tree	Terrestrial	HCF
<i>Myrcia hebetata</i> DC.	Faria Jr, JEQ	346	20/09/2008	Rosa, PO	Tree	Terrestrial	UB
<i>Myrcia loricata</i> (O.Berg) Burret ex Luetzelb.	Souza, RR	157	20/06/2021	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Myrcia linearifolia</i> Cambess.	Caxambu, MG	3217	02/08/2010	Barboza, E	Shrub, Subshrub	Terrestrial	MBM
<i>Myrcia ochroides</i> O.Berg	Simon, MF	3394	02/10/2018	Faria Jr, JEQ	Shrub, Tree	Terrestrial	CEN

<i>Myrcia retorta</i> Cambess.	Caxambu, MG	3147	01/08/2010	Lannoy, LC	Tree	Terrestrial	HCF
<i>Myrcia rufipes</i> DC.	Caxambu, MG	3141	01/08/2010	Barboza, E	Shrub, Tree	Terrestrial	MBM
<i>Myrcia splendens</i> (Sw.) DC.	Simon, MF	3391	02/10/2018	Faria Jr, JEQ	Tree	Terrestrial	CEN
<i>Myrcia sylvatica</i> (G.Mey.) DC.	Simon, MF	4139	28/02/2021	Faria Jr, JEQ	Tree	Terrestrial	CEN
<i>Myrcia tomentosa</i> (Aubl.) DC.	Simon, MF	3470	04/10/2018	Faria Jr, JEQ	Shrub, Tree	Terrestrial	CEN
<i>Myrcia tortuosa</i> (O.Berg) N.Silveira	Simon, MF	3386	02/10/2018	Faria Jr, JEQ	Shrub, Tree	Terrestrial	CEN
<i>Myrcia variabilis</i> DC.	Souza, RR	48	16/06/2021	Faria Jr, JEQ	Shrub, Tree	Terrestrial	CEN
<i>Myrcia virgata</i> Cambess.	Sampaio, AB	473	07/05/2001	Rosa, PO	Shrub	Terrestrial	UB
<i>Myrcianthes cisplatensis</i> (Cambess.) O.Berg	Faria Jr, JEQ	349	20/09/2008	Faria Jr, JEQ	Tree	Terrestrial	UB
<i>Myrciaria cuspidata</i> O.Berg	Soares-Silva, LH	968	09/05/2001	Soares-Silva, LH	Tree	Terrestrial	CEN
<i>Myrciaria delicatula</i> (DC.) O.Berg	Cavalcanti, TB	2751	14/06/2002	Proença, CEB	Tree	Terrestrial	CEN
<i>Psidium guineense</i> Sw.	Labiak, PH	5945	07/03/2015	Sobral, M Schindler, B & Figueira, M	Shrub, Tree	Terrestrial	HUEFS
<i>Psidium oligospermum</i> Mart. ex DC.	Santos, PP	271	10/04/2018		Tree	Terrestrial	CEN
<i>Psidium sessiliflorum</i> (Landrum) Proença & Tuler	Simon, MF	4024	25/02/2021	Faria Jr, JEQ	Shrub	Terrestrial	CEN
<i>Siphoneugena reitzii</i> D.Legrand	Caxambu, MG	3258	03/08/2010	Vieira, RS	Tree	Terrestrial	HCF

Nyctaginaceae

<i>Guapira campestris</i> (Netto) Lundell	Fagg, CW	2039	20/11/2008	Farney, C	Shrub, Subshrub	Terrestrial	RB
<i>Guapira graciliflora</i> (Mart. ex Schmidt) Lundell	Simon, MF	3406	02/10/2018	Martins, MS	Shrub, Tree	Terrestrial	CEN
<i>Neea theifera</i> Oerst.	Simon, MF	3466	04/10/2018	Martins, MS	Shrub, Tree	Terrestrial	CEN

Ochnaceae

<i>Ouratea acicularis</i> R.G.Chacon & K.Yamam. *	Simon, MF	3514	05/10/2018	Santana, JCO	Shrub	Terrestrial	CEN
<i>Ouratea crassifolia</i> (Pohl) Engl.	Cavalcanti, TB	2834	15/06/2002	Chacon, RG	Subshrub	Terrestrial	CEN
<i>Ouratea hexasperma</i> (A.St.-Hil.) Baill.	Simon, MF	3412	02/10/2018	Simon, MF	Tree	Terrestrial	CEN
<i>Ouratea oleifolia</i> (A.St.-Hil.) Engl.	Simon, MF	3508	05/10/2018	Simon, MF	Shrub	Terrestrial	CEN

<i>Ouratea riedeliana</i> Engl.	Amorim, AM	9247	04/03/2015	Catenacci, F	Subshrub	Terrestrial	CEPEC
<i>Ouratea semiserrata</i> (Mart. & Nees) Engl.	Caxambu, MG	3143	01/08/2010	Caxambu, MG	Shrub, Tree	Terrestrial	HCF
<i>Sauvagesia deflexifolia</i> Gardner	Figueira, M	1805	15/03/2022	Figueira, M	Herb	Terrestrial	CEN
<i>Sauvagesia erecta</i> L.	Souza, RR	27	15/06/2021	Souza, RR	Herb	Terrestrial	CEN
<i>Sauvagesia linearifolia</i> A.St.-Hil.	Schindler, B	184	15/06/2021	Walter, BMT	Herb, Subshrub	Terrestrial	CEN
<i>Sauvagesia racemosa</i> A.St.-Hil.	Souza, RR	16	15/06/2021	Souza, RR	Herb, Subshrub	Terrestrial	CEN
<i>Sauvagesia ramosa</i> (Gleason) Sastre	Silva, DP	165	08/12/2014		Subshrub	Terrestrial	UB
<i>Sauvagesia tenella</i> Lam.	Souza, RR	190	15/03/2022	Walter, BMT	Herb	Terrestrial	CEN

Onagraceae

<i>Ludwigia leptocarpa</i> (Nutt.) H.Hara	Caxambu, MG	3202	02/08/2010	Vieira, AOS	Shrub	Terrestrial	HCF
<i>Ludwigia nervosa</i> (Poir.) H.Hara	Silva, DP	21	02/11/2014		Shrub	Terrestrial	UB
<i>Ludwigia peploides</i> (Kunth) P.H.Raven	Souza, RR	175	20/06/2021	Neyra, MOC	Herb Shrub,	Aquatic	CEN
<i>Ludwigia rigida</i> (Miq.) Sandwith	Souza, RR	107	17/06/2021	Neyra, MOC	Subshrub	Terrestrial	CEN

Orchidaceae

<i>Catasetum confusum</i> G.Romero	Salles, AEH	2552	//2002	Lima, JH	Herb	Epiphyte	HEPH
<i>Cleistes grandiflora</i> (Aubl.) Schltr.	Silva, DP	70	09/12/2014		Herb	Terrestrial	UB
<i>Cyrtopodium eugenii</i> Rchb.f.	Simon, MF	4239	18/03/2022	Bianchetti, LB	Herb	Terrestrial	CEN
<i>Epistephium ellipticum</i> R.O.Williams & Summerh.	Schindler, B	31	27/02/2021	Bianchetti, LB	Herb	Terrestrial	CEN
<i>Galeandra montana</i> Barb.Rodr.	Antar, GM	746	31/01/2015	Monteiro, SHN	Herb	Terrestrial	SPF
<i>Galeandra</i> sp.	Silva, DP	255	08/12/2014		Herb HerbEpiphyte,	Epiphyte, Terrestrial	UB
<i>Habenaria hexaptera</i> Lindl.	Simon, MF	3744	09/08/2019	Bianchetti, LB	Terrestrial	Terrestrial	CEN
<i>Habenaria longicauda</i> Hook.	Souza, RR	236	15/03/2022	Bianchetti, LB	Herb	Terrestrial	CEN
<i>Habenaria schwackei</i> Barb.Rodr.	Silva, DP	206	10/12/2014		Herb	Terrestrial	UB

Orobanchaceae							
<i>Buchnera juncea</i> Cham. & Schldtl.	Silva, DP	310	11/12/2014		Herb, Subshrub	Hemiparasite, Rupicolous, Terrestrial	UB
<i>Buchnera lavandulacea</i> Cham. & Schldtl.	Schindler, B	209	05/06/2015	Walter, BMT	Herb, Subshrub	Hemiparasite, Rupicolous, Terrestrial	UB
<i>Buchnera palustris</i> (Aubl.) Spreng.	Cavalcanti, TB	2771	14/06/2002	Carvalho-Silva, M	Herb	Aquatic, Hemiparasite, Terrestrial	CEN
<i>Buchnera rosea</i> Kunth	Simon, MF	3427	20/06/2021	Walter, BMT	Herb, Subshrub	Hemiparasite, Rupicolous, Terrestrial	CEN
<i>Esterhazyia splendida</i> J.C.Mikan	Lombardi, JA	10248	03/10/2018	Antar, GM	Shrub, Herb, Subshrub	Hemiparasite, Rupicolous, Terrestrial	CEN
Oxalidaceae							
<i>Oxalis gardneriana</i> Progel	Paula-Souza, J	9132	07/10/2007	Fiaschi, P	Herb	Terrestrial	SPF
Passifloraceae							
<i>Passiflora amethystina</i> J.C.Mikan	Caxambu, MG	3158	01/08/2010	Dettke, GA	Liana/vine	Terrestrial	HCF
<i>Passiflora mansoi</i> (Mart.) Mast.	Simon, MF	4099	27/02/2021	Simon, MF	Liana/vine, Subshrub	Terrestrial	CEN
Phyllanthaceae							
<i>Amanoa guianensis</i> Aubl.	Simon, MF	3986	24/02/2021	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Amanoa oblongifolia</i> Müll.Arg.	Paula-Souza, J	9150	07/10/2007	Fiaschi, P	Tree	Terrestrial	SPF
<i>Hieronyma alchorneoides</i> Allemão	Simon, MF	4097	27/02/2021	Figueira, M	Tree	Terrestrial	CEN
<i>Phyllanthus allemii</i> G.L.Webster *	Schindler, B	197	17/06/2021	Schindler, B & Figueira, M	Herb	Terrestrial	CEN
<i>Phyllanthus niruri</i> L.	Silva, DP	164	08/12/2014		Herb, Subshrub	Terrestrial	UB
<i>Phyllanthus stipulatus</i> (Raf.) G.L.Webster	Simon, MF	4116	27/02/2021	Mendes, JCR	Herb, Subshrub	Terrestrial	CEN
<i>Richeria grandis</i> Vahl	Simon, MF	3538	05/10/2018	Walter, BMT	Shrub, Tree	Terrestrial	CEN
Phytolaccaceae							
<i>Seguieria aculeata</i> Jacq.	Caxambu, MG	3254	03/08/2010	Caxambu, MG	Tree	Terrestrial	HCF

Picramniaceae							
<i>Picramnia oreadica</i> Pirani	Souza, RR	100	17/06/2021	Schindler, B & Figueira, M	Shrub	Terrestrial	CEN
Piperaceae							
<i>Peperomia alata</i> Ruiz & Pav.	Caxambu, MG	3229	02/08/2010	Machado-Silva, T	Herb	Epiphyte, Rupicolous, Terrestrial	HCF
<i>Piper arboreum</i> Aubl.	Simon, MF	4148	28/02/2021	Walter, BMT	Shrub	Terrestrial	CEN
<i>Piper fuligineum</i> Kunth	Silva, DP	19	02/11/2014	Gissi, D	Shrub, Subshrub	Terrestrial	UB
Plantaginaceae							
<i>Bacopa salzmännii</i> (Benth.) Wettst. ex Edwall	Souza, RR	171	20/06/2021	Walter, BMT	Herb	Aquatic, Terrestrial	CEN
<i>Philcoxia goiasensis</i> P. Taylor	Schindler, B	385	17/03/2022	Scatigna, AV	Herb	Terrestrial	CEN
<i>Scoparia dulcis</i> L.	Lombardi, JA	10332	//	Pirani, JR	Herb, Subshrub	Terrestrial	HRCB
Poaceae							
<i>Agenium villosum</i> (Nees) Pilg.	Silva, DP	54	03/11/2014		Herb	Terrestrial	UB
<i>Andropogon fastigiatus</i> Sw.	Souza, RR	148	19/06/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Andropogon lateralis</i> Nees	Silva, DP	3	02/11/2014		Herb	Terrestrial	UB
<i>Andropogon leucostachyus</i> Kunth	Souza, RR	21	15/06/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Andropogon macrothrix</i> Trin.	Simon, MF	4094	26/02/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Andropogon multiflorus</i> Renvoize	Simon, MF	4030	25/02/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Anthaenantia lanata</i> (Kunth) Benth.	Souza, RR	291	18/03/2022	Valls, JFM	Herb	Terrestrial	CEN
<i>Aristida adscensionis</i> L.	Antar, GM	797	03/02/2015	Rodrigues, RS	Herb	Terrestrial	SPF
<i>Aristida capillacea</i> Lam.	Souza, RR	54	16/06/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Aristida longifolia</i> Trin.	Simon, MF	4108	27/02/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Aristida pendula</i> Longhi-Wagner	Souza, RR	89	17/06/2021	Valls, JFM	Herb	Terrestrial	CEN

<i>Arthropogon villosus</i> Nees	Souza, RR Equipe ESEC	66	16/06/2021	Simon, MF	Herb	Terrestrial	CEN
<i>Axonopus aureus</i> P. Beauv.	Serra Geral - TO	18	06/08/2019	Valls, JFM	Herb	Terrestrial	CEN
<i>Axonopus brasiliensis</i> (Spreng.) Kuhlman.	Souza, RR	289	18/03/2022	Valls, JFM	Herb	Rupicolous, Terrestrial	CEN
<i>Axonopus comans</i> (Trin. ex Döll) Kuhlman.	Silva, DP	179	10/12/2014	Munhoz, CBR	Herb	Terrestrial	UB
<i>Axonopus fastigiatus</i> (Nees ex Trin.) Kuhlman. *	Simon, MF	3554	05/10/2018	Valls, JFM	Herb	Terrestrial	CEN
<i>Axonopus junciformis</i> G.A. Black	Simon, MF	4173	01/03/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Axonopus marginatus</i> (Trin.) Chase	Antar, GM	802	03/02/2015	Rodrigues, RS	Herb	Terrestrial	CEN
<i>Axonopus polydactylus</i> (Steud.) Dedecca	Souza, RR	147	19/06/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Axonopus pressus</i> (Nees ex Steud.) Parodi	Simon, MF	4006	24/02/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Axonopus singularis</i> (Swallen) Alicia López & Morrone	Figueira, M	1824	17/03/2022	Valls, JFM	Herb	Terrestrial	CEN
<i>Cenchrus polystachios</i> (L.) Morrone	Souza, RR	24	15/06/2021	Simon, MF	Herb	Terrestrial	CEN
<i>Ctenium</i> sp.	Souza, RR	307	19/03/2022	Valls, JFM	Herb	Terrestrial	CEN
<i>Echinolaena inflexa</i> (Poir.) Chase	Souza, RR	204	15/03/2022	Valls, JFM	Herb	Terrestrial	CEN
<i>Eragrostis ciliaris</i> (L.) R.Br.	Simon, MF	4228	17/03/2022	Simon, MF	Herb	Terrestrial	CEN
<i>Eragrostis maypurensis</i> (Kunth) Steud.	Souza, RR	304	19/03/2022	Valls, JFM	Herb	Terrestrial	CEN
<i>Eriochrysis cayennensis</i> P.Beauv.	Silva, DP	34	02/11/2014		Herb	Terrestrial	UB
<i>Eriochrysis</i> sp.	Souza, RR	4	15/06/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Gymnopogon foliosus</i> (Willd.) Nees	Souza, RR	63	16/06/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Ichnanthus calvescens</i> (Nees ex Trin.) Döll	Souza, RR	40	15/06/2021	Valls, JFM	Herb	Rupicolous, Terrestrial	CEN
<i>Ichnanthus hoffmannseggii</i> (Roem. & Schult.) Döll	Souza, RR	226	15/03/2022	Valls, JFM	Herb	Terrestrial	CEN
<i>Ichnanthus oplismenoides</i> Munro ex Döll	Simon, MF	3995	24/02/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Lasiacis</i> sp.	Assis, JS	157	09/04/1978		Herb	Terrestrial	RB
<i>Loudetia flammida</i> (Trin.) C.E.Hubb.	Simon, MF Equipe ESEC	4137	28/02/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Loudetiopsis chrysothrix</i> (Nees) Conert	Serra Geral - TO	70	09/08/2019	Simon, MF	Herb	Terrestrial	CEN
<i>Megathyrsus maximus</i> (Jacq.) B.K.Simon & S.W.L.Jacobs	Caxambu, MG	3198	01/08/2010	Rodrigues, RB	Herb	Terrestrial	HCF
<i>Mesosetum annuum</i> Swallen	Simon, MF	4050	26/02/2021	Simon, MF	Herb	Terrestrial	CEN

<i>Mesosetum cayennense</i> Steud.	Simon, MF	4042	25/02/2021	Simon, MF	Herb	Terrestrial	CEN
<i>Mesosetum loliiforme</i> (Hochst.) Chase	Simon, MF	4005	24/02/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Mesosetum penicillatum</i> Mez	Silva, DP	63	03/11/2014	Munhoz, CBR	Herb	Terrestrial	UB
<i>Mesosetum</i> sp.	Souza, RR	301	18/03/2022	Valls, JFM	Herb	Terrestrial	CEN
<i>Ocellochloa gardneri</i> (Mez) Filg & R.S. Rodr.	Figueira, M	1028	07/08/2019	Valls, JFM	Herb	Terrestrial	CEN
<i>Oedochloa procurrens</i> (Nees ex Trin.) C.Silva & R.P.Oliveira	Silva, DP	406	04/06/2015		Herb	Terrestrial	UB
<i>Olyra</i> L.	Souza, RR	210	15/03/2022	Valls, JFM	Herb	Terrestrial	CEN
<i>Panicum campestre</i> Nees ex Trin.	Silva, DP	150	08/12/2014		Herb	Terrestrial	UB
<i>Panicum ligulare</i> Nees ex Trin.	Souza, RR	260	16/03/2022	Valls, JFM	Herb	Terrestrial	CEN
<i>Paspalum ammodes</i> Trin.	Silva, DP	181	10/12/2014		Herb	Terrestrial	UB
<i>Paspalum dedecae</i> Quarín	Silva, DP	178	10/12/2014		Herb	Terrestrial	UB
<i>Paspalum carinatum</i> Humb. & Bonpl. ex Flüggé	Equipe ESEC Serra Geral - TO	14	06/08/2019	Valls, JFM	Herb	Rupicolous, Terrestrial	CEN
<i>Paspalum cinerascens</i> (Döll) A.G.Burm. & C.N.Bastos	Souza, RR	299	18/03/2022	Valls, JFM	Herb	Terrestrial	CEN
<i>Paspalum convexum</i> Humb. & Bonpl. ex Flüggé	Simon, MF	4069	26/02/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Paspalum coryphaeum</i> Trin.	Silva, DP	314	11/12/2014	Munhoz, CBR	Herb	Terrestrial	UB
<i>Paspalum eucomum</i> Nees ex Trin.	Soares-Silva, LH	952	09/05/2001	Oliveira, RC	Herb	Terrestrial	SP
<i>Paspalum gardnerianum</i> Nees	Simon, MF	4011	25/02/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Paspalum hyalinum</i> Nees ex Trin.	Souza, RR	31	15/06/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Paspalum lanciflorum</i> Nees ex Steud.	Antar, GM	215	05/08/2013	Antar, GM	Herb	Terrestrial	CEN
<i>Paspalum lineare</i> Trin.	Simon, MF	3767	09/08/2019	Valls, JFM	Herb	Terrestrial	CEN
<i>Paspalum loefgrenii</i> Ekman	Rua, GH	770	07/03/2006	Rua, GH	Herb	Terrestrial	CEN
<i>Paspalum maculosum</i> Trin.	Rua, GH	775	07/03/2006	Rua, GH	Herb	Terrestrial	CEN
<i>Paspalum marmoratum</i> Kuhl.	Rua, GH	778	07/03/2006	Rua, GH	Herb	Terrestrial	CEN
<i>Paspalum spissum</i> Swallen	Souza, RR	141	19/06/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Paspalum subsesquiglume</i> Döll	Souza, RR	263	16/03/2022	Valls, JFM	Herb	Terrestrial	CEN
<i>Paspalum vaginatum</i> Sw.	Silva, DP	728	08/06/2015		Herb	Terrestrial	UB

<i>Raddiella esenbeckii</i> (Steud.) C.E.Calderón & Soderstr.	Souza, RR	217	15/03/2022	Valls, JFM	Herb	Terrestrial	CEN
<i>Rugoloa pilosa</i> (Sw.) Zuloaga	Simon, MF	4052	26/02/2021	Simon, MF	Herb	Terrestrial	CEN
<i>Schizachyrium glaziovii</i> Peichoto	Souza, RR	123	18/06/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Schizachyrium microstachyum</i> (Desv. ex Ham.) Roseng., B.R. Arrill. & Izag.	Sampaio, AB	541	09/05/2001	Oliveira, RC	Herb	Terrestrial	CEN
<i>Schizachyrium sanguineum</i> (Retz.) Alston	Souza, RR	22	15/06/2021	Valls, JFM	Herb	Terrestrial	CEN
<i>Trichantheicum cyanescens</i> (Nees ex Trin.) Zuloaga & Morrone	Sampaio, AB	539	/05/2001		Herb	Terrestrial	UB
<i>Trachypogon spicatus</i> (L.f.) Kuntze	Simon, MF	3982	24/02/2021	Simon, MF	Herb	Terrestrial	CEN
<i>Trichantheicum parvifolium</i> (Lam.) Zuloaga & Morrone	Souza, RR	55	16/06/2021	Valls, JFM	Herb	Terrestrial	CEN

Podostemaceae

<i>Apinagia</i> Tul.	Siqueira-Filho, JA	3239	10/09/2014		Herb	Aquatic	HVASF
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Polygalaceae

<i>Asemeia violacea</i> (Aubl.) J.F.B.Pastore & J.R.Abbott	Antar, GM	803	03/02/2015	Pastore, JFB	Herb Shrub,	Terrestrial	SPF
<i>Bredemeyera barbeyana</i> Chodat	Simon, MF	4058	26/02/2021	Simon, MF	Liana/vine Shrub,	Terrestrial	SPF
<i>Bredemeyera floribunda</i> Willd.	Souza, RR	178	20/06/2021	Walter, BMT	Liana/vine	Terrestrial	CEN
<i>Monnina</i> sp.	Bringel Jr., JBA	729	27/03/2011		Herb Shrub,	Terrestrial	CEN
<i>Moutabea excoriata</i> Mart. ex Miq.	Simon, MF	4000	24/02/2021	Simon, MF	Liana/vine	Terrestrial	CEN
<i>Polygala adenophora</i> DC.	Schindler, B	379	16/03/2022	Pastore, JFB	Herb	Terrestrial	CEN
<i>Polygala celosioides</i> Mart. ex A.W.Benn.	Souza, RR	12	15/06/2021	Walter, BMT	Herb Herb,	Terrestrial	CEN
<i>Polygala equisetoides</i> A.St.-Hil. & Moq.	Antar, GM	788	01/02/2015	Antar, GM	Subshrub Herb,	Terrestrial	SPF
<i>Polygala gracilis</i> Kunth	Silva, DP	382	04/06/2015		Subshrub	Terrestrial	UB
<i>Polygala hygrophila</i> Kunth	Sampaio, AB	383	03/05/2011	Pastore, JFB	Herb Herb,	Terrestrial	UB
<i>Polygala longicaulis</i> Kunth	Simon, MF	3745	09/08/2019	Simon, MF	Subshrub	Terrestrial	CEN

<i>Polygala mandonii</i> Chodat	Silva, DP	391	04/06/2015		Herb	Terrestrial	CEN
<i>Polygala monosperma</i> A.W.Benn.	Rua, GH	771	07/03/2006	Pastore, JFB	Herb	Terrestrial	UB
<i>Polygala sellowiana</i> A.St.-Hil. & Moq.	Silva, DP	691	08/06/2015		Herb	Terrestrial	UB
<i>Polygala subtilis</i> Kunth	Schindler, B	391	18/03/2022	Pastore, JFB	Herb	Terrestrial	CEN
<i>Polygala tenuis</i> DC.	Silva, DP	689	08/06/2015		Herb	Terrestrial	UB
<i>Polygala timoutou</i> Aubl.	Souza, RR	200	15/03/2022	Pastore, JFB	Herb	Terrestrial	CEN
<i>Polygala trichosperma</i> Jacq.	Antar, GM	737	31/01/2015	Pastore, JFB	Herb, Subshrub	Terrestrial	CEN

Polygonaceae

<i>Coccoloba marginata</i> Benth.	Simon, MF	3762	08/08/2019	Walter, BMT	Shrub, Tree, Liana/vine	Terrestrial	CEN
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Pontederiaceae

<i>Pontederia cordata</i> L.	Figueira, M	1057	08/08/2019	Figueira, M	Herb	Aquatic, Terrestrial	CEN
<i>Pontederia ovalis</i> Mart.	Caxambu, MG	3182	01/08/2010	Pellegrini, MOO	Herb	Aquatic	HCF

Portulacaceae

<i>Portulaca</i> sp.	Verdi, M	7750	14/01/2020		Herb	Rupicolous, Terrestrial	RB
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Primulaceae

<i>Cybianthus gardneri</i> (A.DC.) G.Agostini	Simon, MF	4155	28/02/2021	Walter, BMT	Shrub	Terrestrial	CEN
<i>Cybianthus guyanensis</i> (A.DC.) Miq.	Simon, MF	4219	16/03/2022	Figueira, M & Schindler, B	Shrub	Terrestrial	CEN

Proteaceae

<i>Euplassa inaequalis</i> (Pohl) Engl.	Simon, MF	3454	03/10/2018	Simon, MF	Tree	Terrestrial	CEN
<i>Roupala montana</i> Aubl.	Simon, MF	3760	08/08/2019	Simon, MF	Shrub, Tree	Terrestrial	CEN

Rapateaceae

<i>Cephalostemon angustatus</i> Malme	Orlandi, RP	100	27/04/1978	Oliveira, ALR	Herb	Terrestrial	RB
<i>Cephalostemon riedelianus</i> Körn.	Silva, DP	81	04/11/2014		Herb	Terrestrial	UB
<i>Rapatea pycnocephala</i> Seub.	Simon, MF	3553	05/10/2018	Walter, BMT	Herb	Terrestrial	CEN
Rhabdodendraceae							
<i>Rhabdodendron gardneranum</i> (Benth.) Sandwith	Pedro Santos	287	31/03/2018	G. Pereira-Silva & Bringel, JB	Tree	Terrestrial	CEN
Rhamnaceae							
Indeterminada	Fagg, CW	2020	20/11/2008		Shrub, Tree, Herb, Liana/vine, Subshrub	Terrestrial	HUTO
Rosaceae							
<i>Prunus brasiliensis</i> (Cham. & Schltdl.) D.Dietr.	Ferreira, MC	11	01/09/2016		Shrub, Tree	Rupicolous, Terrestrial	CEN
Rubiaceae							
<i>Alibertia edulis</i> (Rich.) A.Rich.	Ferreira, MC	27	13/09/2016		Shrub	Terrestrial	CEN
<i>Borreria argentea</i> Cham.	Trovó, MLP	309	08/08/2006	Souza, EB	Subshrub	Terrestrial	SPF
<i>Borreria capitata</i> (Ruiz & Pav.) DC.	Simon, MF	3531	05/10/2018	Delprete, PG	Herb, Subshrub	Rupicolous, Terrestrial	CEN
<i>Borreria crispata</i> (K.Schum.) E.L.Cabral & Bacigalupo	Souza, RR	169	20/06/2021	Walter, BMT	Shrub, Subshrub	Terrestrial	CEN
<i>Borreria irwiniana</i> E.L.Cabral	Antar, GM	750	31/01/2015	Salas, RM & Miguel, LM	Herb	Terrestrial	SPF
<i>Borreria poaya</i> (A.St.-Hil.) DC.	Simon, MF	3990	24/02/2021	Walter, BMT	Subshrub	Terrestrial	CEN
<i>Borreria tenella</i> (Kunth) Cham. & Schltdl.	Silva, DP	690	08/06/2015		Herb, Subshrub	Rupicolous, Terrestrial	UB
<i>Borreria tenera</i> DC.	Simon, MF	4013	25/02/2021	Delprete, PG	Herb	Terrestrial	CEN
<i>Borreria wunschmannii</i> K.Schum.	Souza, RR	87	17/06/2021	Delprete, PG	Herb, Subshrub	Terrestrial	CEN
<i>Chiococca alba</i> (L.) Hitchc.	Figueira, M	1815	15/03/2022	Figueira, M	Shrub	Terrestrial	CEN

<i>Chomelia ribesoides</i> Benth. ex A.Gray	Figueira, M	1674	24/02/2021	Delprete, PG	Shrub, Tree	Terrestrial	CEN
<i>Coccocypselum lanceolatum</i> (Ruiz & Pav.) Pers.	Simon, MF	4034	25/02/2021	Walter, BMT	Herb Shrub,	Terrestrial	CEN
<i>Cordiaer concolor</i> (Cham.) Kuntze	Simon, MF	3458	03/10/2018	Simon, MF	Subshrub Shrub,	Rupicolous, Terrestrial	CEN
<i>Cordiaer humilis</i> (K.Schum.) Kuntze	Simon, MF	3976	24/02/2021	Delprete, PG	Subshrub	Rupicolous, Terrestrial	CEN
<i>Cordiaer myrciifolia</i> (K.Schum.) C.H.Perss. & Delprete	Santos, PP Equipe ESEC	262	10/04/2018	Delprete, PG	Shrub Shrub,	Terrestrial	CEN
<i>Cordiaer rigida</i> (K.Schum.) Kuntze	Serra Geral - TO	106	17/01/2020	Delprete, PG	Subshrub	Rupicolous, Terrestrial	CEN
<i>Cordiaer sessilis</i> (Vell.) Kuntze	Alves, M	1034	09/09/1993	Delprete, PG	Shrub	Terrestrial	HTO
<i>Coussarea hydrangeifolia</i> (Benth.) Müll.Arg.	Simpson, PL	40	05/05/2001	Milhomens, LC	Shrub, Tree	Terrestrial	UB
<i>Declieuxia fruticosa</i> (Willd. ex Roem. & Schult.) Kuntze	Souza, RR	266	16/03/2022	Delprete, PG	Shrub, Subshrub	Rupicolous, Terrestrial	CEN
<i>Declieuxia tenuiflora</i> (Willd. ex Roem. & Schult.) Steyer. & J.H.Kirkbr.	Forzza, RC	8480	03/03/2015	Oliveira, JA	Shrub	Rupicolous, Terrestrial	RB
<i>Emmeorhiza umbellata</i> (Spreng.) K.Schum.	Pereira-Silva, G	3623	21/09/1996	Ferrucci, S	Liana/vine	Terrestrial	CEN
<i>Faramea bracteata</i> Benth.	Souza, RR	225	15/03/2022	Delprete, PG	Shrub, Tree	Terrestrial	CEN
<i>Ferdinandusa elliptica</i> (Pohl) Pohl	Simon, MF	4165	01/03/2021	Simon, MF	Tree	Terrestrial	CEN
<i>Ferdinandusa speciosa</i> (Pohl) Pohl	Simon, MF	4037	25/02/2021	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Guettarda viburnoides</i> Cham. & Schltl.	Simon, MF	4130	27/02/2021	Simon, MF	Shrub, Tree Herb,	Terrestrial	CEN
<i>Hexasepalum teres</i> (Walter) J.H.Kirkbr.	Antar, GM	398	26/01/2014	Delprete, PG	Subshrub	Terrestrial	CEN
<i>Mitracarpus steyermarkii</i> E.L.Cabral & Bacigalupo	Santos, PP	191	26/03/2018	Delprete, PG	Herb	Terrestrial	CEN
<i>Mitracarpus</i> sp.	Souza, RR	284	18/03/2022		Shrub	Terrestrial	CEN
<i>Pagamea plicata</i> Spruce ex Benth.	Simon, MF	3741	09/08/2019	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Palicourea gracilenta</i> (Müll.Arg.) Delprete & J.H.Kirkbr.	Souza, RR	214	15/03/2022	Delprete, PG	Shrub	Terrestrial	CEN
<i>Palicourea guianensis</i> Aubl.	Souza, RR	212	15/03/2022	Delprete, PG	Shrub, Tree	Terrestrial	CEN
<i>Palicourea hoffmannseggiana</i> (Schult.) Borhidi	Simon, MF	4038	25/02/2021	Delprete, PG	Shrub	Terrestrial	CEN
<i>Palicourea marcgravii</i> A.St.-Hil.	Lolis, SF		28/11/1999	Delprete, PG	Shrub Shrub,	Terrestrial	HTO
<i>Palicourea rigida</i> Kunth	Simon, MF	3755	08/08/2019	Simon, MF	Subshrub	Rupicolous, Terrestrial	CEN

<i>Palicourea triphylla</i> DC.	Simon, MF	4150	28/02/2021	Walter, BMT	Shrub, Subshrub	Terrestrial	CEN
<i>Perama dichotoma</i> Poepp. & Endl.	Souza, RR	30	15/06/2021	Schindler, B	Herb	Terrestrial	CEN
<i>Perama hirsuta</i> Aubl.	Figueira, M	1711	25/02/2021	Delprete, PG	Herb	Terrestrial	CEN
<i>Posoqueria</i> sp.	Ferreira, MC	15	01/09/2016		Shrub, Tree	Terrestrial	CEN
<i>Psychotria pedunculosa</i> Rich.	Simon, MF	4129	27/02/2021	Walter, BMT	Shrub	Terrestrial	CEN
<i>Retiniphyllum kuhlmannii</i> Standl.	Souza, RR	156	19/06/2021	Delprete, PG	Shrub, Tree	Aquatic, Terrestrial	CEN
<i>Richardia scabra</i> L.	Simon, MF	4174	01/03/2021	Simon, MF	Herb	Terrestrial	CEN
<i>Rudgea erioloba</i> Benth.	Simon, MF	3993	24/02/2021	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Rudgea graciliflora</i> Standl.	Simon, MF	3452	03/10/2018	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Sabicea brasiliensis</i> Wernham	Labiak, PH	5813	02/03/2015	Oliveira, JA	Subshrub	Terrestrial	UPCB
<i>Spermacoce ovalifolia</i> (M.Martens & Galeotti) Hemsl.	Souza, RR	268	16/03/2022	Delprete, PG	Herb Shrub,	Terrestrial	CEN
<i>Spermacoce reflexa</i> (J.H.Kirkbr.) Govaerts	Soares-Silva, LH	956	09/05/2001	Delprete, PG	Subshrub	Terrestrial	UFG
<i>Staelia paganuccii</i> R.M.Salas & E.L.Cabral	Figueira, M	1055	08/08/2019	Delprete, PG	Subshrub	Terrestrial	CEN
<i>Staelia tocantinsiana</i> R.M.Salas & E.L.Cabral	Souza, RR	303	19/03/2022	Delprete, PG	Subshrub	Terrestrial	CEN
<i>Staelia virgata</i> (Link ex Roem. & Schult.) K.Schum.	Simon, MF	3504	04/10/2018	Walter, BMT	Herb, Subshrub Shrub,	Aquatic, Rupicolous, Terrestrial	CEN
<i>Tocoyena arenicola</i> Delprete	Simon, MF	3444	03/10/2018	Simon, MF	Subshrub	Terrestrial	CEN
<i>Tocoyena formosa</i> (Cham. & Schltldl.) K.Schum.	Simon, MF	4258	19/03/2022	Simon, MF	Shrub, Subshrub	Terrestrial	CEN
<i>Warszewiczia schwackei</i> K.Schum.	Simon, MF	4182	02/03/2021	Simon, MF	Shrub, Tree	Terrestrial	CEN

Rutaceae

<i>Esenbeckia oligantha</i> Kaastra	Soares-Silva, LH	983	09/05/2001	Soares-Silva, LH & Sampaio, AB	Tree	Terrestrial	UB
<i>Esenbeckia pumila</i> Pohl	Simon, MF Equipe ESEC	3438	03/10/2018	Walter, BMT	Shrub, Tree	Terrestrial	CEN
<i>Spiranthera odoratissima</i> A.St.-Hil.	Serra Geral - TO	49	07/08/2019	Walter, BMT	Shrub	Terrestrial	CEN

Salicaceae

<i>Banara tomentosa</i> Clos	Caxambu, MG	3192	01/08/2010	Verdi, M Figueira, M & Schindler, B	Shrub, Tree	Terrestrial	HCF
<i>Casearia grandiflora</i> Cambess.	Figueira, M	1054	08/08/2019	Figueira, M & Schindler, B	Shrub, Tree	Terrestrial	CEN
<i>Casearia mestrensis</i> Sleumer	Figueira, M	1767	18/06/2021	Figueira, M & Schindler, B	Shrub Shrub, Tree, Subshrub	Terrestrial	CEN
<i>Casearia sylvestris</i> Sw.	Caxambu, MG	3236	02/08/2010	Caxambu, MG	Shrub, Tree, Subshrub	Terrestrial	HCF

Santalaceae

<i>Phoradendron perrottetii</i> (DC.) Eichler	Souza, RR	38	15/06/2021	Dettke, GA	Herb	Hemiparasite	CEN
<i>Phoradendron strongyloclados</i> Eichler	Souza, RR	143	19/06/2021	Dettke, GA	Herb	Hemiparasite	CEN

Sapindaceae

<i>Cupania paniculata</i> Cambess.	Equipe ESEC Serra Geral - TO	41	07/08/2019	Figueira, M & Schindler, B	Shrub, Tree Shrub, Tree, Subshrub	Terrestrial	CEN
<i>Dodonaea viscosa</i> Jacq.	Caxambu, MG	3204	02/08/2010	Caxambu, MG Figueira, M & Schindler, B	Subshrub	Terrestrial	HCF
<i>Magonia pubescens</i> A.St.-Hil.	Figueira, M	1772	19/06/2021	Figueira, M & Schindler, B	Tree	Terrestrial	CEN
<i>Matayba heterophylla</i> (Mart.) Radlk.	Equipe ESEC Serra Geral - TO	47	07/08/2019	Walter, BMT	Shrub, Tree, Subshrub	Terrestrial	CEN
<i>Paullinia capreolata</i> (Aubl.) Radlk.	Figueira, M	1830	18/03/2022	H. Medeiros Cordeiro, J & Felitto,	Liana/vine	Terrestrial	CEN
<i>Serjania communis</i> Cambess.	Caxambu, MG	3201	02/08/2010	G	Liana/vine Shrub,	Terrestrial	HCF
<i>Serjania erecta</i> Radlk.	Caxambu, MG	3228	02/08/2010	Caxambu, MG	Liana/vine	Terrestrial	HCF
<i>Serjania lethalis</i> A.St.-Hil.	Equipe ESEC Serra Geral - TO	34	07/08/2019	Walter, BMT	Liana/vine Shrub, Tree, Subshrub	Terrestrial	CEN
<i>Toulicia crassifolia</i> Radlk.	Simon, MF	3510	05/10/2018	Simon, MF	Subshrub	Terrestrial	CEN
<i>Urvillea laevis</i> Radlk.	França, F	3277	20/04/2000	Ferrucci, MS & Perdiz, R	Liana/vine	Terrestrial	ALCB

Sapotaceae

<i>Chrysophyllum oliviforme</i> L.	Neto, O	IFN- 2648061.1	10/11/2017	Oliveira, ALR	Shrub, Tree	Terrestrial	UB
<i>Chrysophyllum sparsiflorum</i> Klotzsch ex Miq.	Neto, O	IFN- 3058251.9	14/11/2017	Oliveira, ALR	Tree	Terrestrial	UB

<i>Manilkara rufula</i> (Miq.) H.J.Lam	Santos, PP	108	19/06/2021	Alves-Araújo, A	Tree	Terrestrial	CEN
<i>Manilkara triflora</i> (Allemão) Monach.	Souza, RR	142	16/03/2022	Figueira, M	Shrub, Tree	Terrestrial	CEN
<i>Micropholis guyanensis</i> (A.DC.) Pierre	Schindler, B	377	10/04/2018	Alves-Araújo, A	Tree	Terrestrial	CEN
<i>Pouteria anomala</i> (Pires) T.D.Penn.	Santos, PP	259	17/01/2020	Alves-Araújo, A	Tree	Terrestrial	CEN
<i>Pouteria glomerata</i> (Miq.) Radlk.	Antar, GM	306	01/11/2013	Alves-Araújo, A	Tree	Terrestrial	CEN
<i>Pouteria ramiflora</i> (Mart.) Radlk.	Souza, RR	113	03/03/2015	Simon, MF Figueira, M & Schindler, B	Shrub, Tree Shrub, Subshrub	Terrestrial	CEN
<i>Pouteria subcaerulea</i> Pierre ex Dubard	Simon, MF	3474	16/03/2018	Simon, MF Figueira, M & Schindler, B	Shrub, Tree Shrub, Subshrub	Terrestrial	CEN
<i>Pouteria torta</i> (Mart.) Radlk.	Caxambu, MG Lemos, HL & Pinto, JRR	3211	18/06/2021	Caxambu, MG	Shrub, Tree	Terrestrial	HCF
<i>Sarcaulus inflexus</i> (A.C.Sm.) T.D.Penn.	Pinto, JRR	108	04/10/2018		Tree	Terrestrial	UB

Simaroubaceae

<i>Homalolepis ferruginea</i> (A.St.-Hil.) Devecchi & Pirani	Rando, JG	1329	06/08/2019	Devecchi, M	Tree	Terrestrial	CEN
<i>Homalolepis glabra</i> (Engl.) Devecchi & Pirani	Caxambu, MG	3148	01/08/2010	Cordeiro, J & Barboza, E	Shrub	Terrestrial	FUEL
<i>Homalolepis intermedia</i> (Mansf.) Devecchi & Pirani	Simon, MF	3737	08/08/2019	Simon, MF	Subshrub	Terrestrial	CEN
<i>Homalolepis rigida</i> Devecchi *	Simon, MF	4257	19/03/2022	Figueira, M	Shrub	Terrestrial	CEN
<i>Homalolepis suffruticosa</i> (Engl.) Devecchi & Pirani	Walter, BMT	5277	10/08/2004	Pirani, JR	Subshrub	Terrestrial	SPF
<i>Homalolepis tocantina</i> (Devecchi & Pirani) Devecchi & Pirani	Devecchi, MF	312	15/07/2014	Devecchi, MF Cordeiro, J & Martin, VC	Subshrub	Terrestrial	SPF
<i>Simarouba versicolor</i> A.St.-Hil.	Caxambu, MG	3259	03/08/2010	Devecchi, MF Cordeiro, J & Martin, VC	Tree	Terrestrial	HCF

Siparunaceae

<i>Siparuna guianensis</i> Aubl.	Figueira, M	1024	07/08/2019	Figueira, M & Schindler, B	Shrub, Tree	Terrestrial	CEN
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Smilacaceae

<i>Smilax</i> sp.	Antar, GM	714	30/01/2015	Antar, GM	Liana/vine, Subshrub	Terrestrial	CEN
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<i>Smilax rufescens</i> Griseb.	Simon, MF	3999	24/02/2021	Simon, MF	Liana/vine, Subshrub	Terrestrial	CEN
Solanaceae							
<i>Schwenckia americana</i> Rooyen ex L.	Simon, MF	4213	15/03/2022	Schindler, B	Herb	Terrestrial	CEN
<i>Solanum americanum</i> Mill.	Labiak, PH	5940	07/03/2015	Särkinen, T	Herb	Terrestrial	HUEFS
<i>Solanum crinitum</i> Lam.	Schindler, B	200	19/06/2021	Walter, BMT	Shrub, Tree	Terrestrial	CEN
<i>Solanum lycocarpum</i> A.St.-Hil.	Simon, MF	4101	27/02/2021	Walter, BMT	Shrub, Tree	Terrestrial	CEN
<i>Solanum stipulaceum</i> Willd. ex Roem. & Schult.	Souza, RR	150	19/06/2021	Schindler, B	Shrub, Tree	Terrestrial	CEN
<i>Solanum stramoniiifolium</i> Jacq.	Simon, MF	4146	28/02/2021	Walter, BMT	Shrub	Terrestrial	CEN
<i>Solanum symmetricum</i> Rusby	Caxambu, MG	3254	03/08/2010	Cordeiro, J & Felitto, G	Shrub, Tree	Terrestrial	HCF
Styracaceae							
<i>Styrax camporum</i> Pohl	Simon, MF	3450	03/10/2018	Martins, MS	Shrub, Tree	Terrestrial	CEN
<i>Styrax ferrugineus</i> Nees & Mart.	Silva, DP	146	07/12/2014		Shrub, Tree	Terrestrial	UB
<i>Styrax pohlii</i> A.DC.	Walter, BMT	5241	10/08/2004	Mendonça, RC	Shrub, Tree	Terrestrial	SPF
Symplocaceae							
<i>Symplocos nitens</i> (Pohl) Benth.	Paula-Souza, J	9109	07/10/2007	Aranha Filho, JLM	Shrub, Tree	Terrestrial	SPF
Theaceae							
<i>Laplacea fruticosa</i> (Schrud.) Kobuski	Figueira, M	1744	15/06/2021	Figueira, M & Schindler, B	Shrub, Tree	Terrestrial	CEN
Turneraceae							
<i>Piriqueta breviseminata</i> Arbo	Souza, RR	76	17/06/2021	Lamarck, R	Shrub, Subshrub	Terrestrial	CEN
<i>Piriqueta densiflora</i> Urb.	Melo, E	7148	08/11/2009	Arbo, MM	Shrub	Terrestrial	HUEFS
<i>Piriqueta sidifolia</i> (Cambess.) Urb.	Cavalcanti, TB	2746	14/06/2002		Shrub	Terrestrial	CEN

<i>Piriqueta</i> sp.	Antar, GM	724	30/01/2015		Shrub	Terrestrial	SPF
<i>Turnera fasciculifolia</i> L.Rocha & Arbo *	Souza, RR	99	17/06/2021	Lamarck, R	Shrub	Terrestrial	CEN
<i>Turnera macrosperma</i> L.Rocha & Arbo	Simon, MF	3516	05/10/2018	Lamarck, R	Shrub	Terrestrial	CEN
<i>Turnera melochioides</i> Cambess.	Souza, RR	296	18/03/2022	Lamarck, R	Shrub, Herb, Subshrub	Terrestrial	CEN
<i>Turnera pinifolia</i> Cambess.	Soares-Silva, LH	972	09/05/2001	Proença, CEB	Herb	Rupicolous, Terrestrial	CEN

Urticaceae

<i>Cecropia pachystachya</i> Trécul	Figueira, M	1069	09/08/2019	Figueira, M	Tree	Terrestrial	UB
<i>Cecropia saxatilis</i> Snethl.	Figueira, M	1048	08/08/2019	Figueira, M	Tree	Terrestrial	CEN

Velloziaceae

<i>Barbacenia blanchetii</i> Goethart & Henrard	Pereira-Silva, G	3621	21/09/1996	Mello-Silva, R	Herb	Rupicolous, Terrestrial	CEN
<i>Vellozia bulbosa</i> L.B.Sm.	Schindler, B	390	18/03/2022	Ferreira-Júnior, CA	Herb, Subshrub	Rupicolous, Terrestrial	RB
<i>Vellozia glauca</i> Pohl	Orlandi, RP	101	27/04/1978	Mello-Silva, R	Dracenoid, Subshrub	Rupicolous, Terrestrial	RB
<i>Vellozia glochidea</i> Pohl	Schindler, B	360	15/03/2022	Ferreira-Júnior, CA	Subshrub	Rupicolous, Terrestrial	CEN
<i>Vellozia goiasensis</i> L.B.Sm.	Antar, GM	727	18/03/2022	Ferreira-Júnior, CA	Dracenoid, Subshrub	Rupicolous, Terrestrial	CEN
<i>Vellozia punctulata</i> Seub.	Pereira-Silva, G	3620	21/09/1996	Mello-Silva, R	Subshrub	Rupicolous, Terrestrial	CEN
<i>Vellozia seubertiana</i> Goethart & Henrard	Figueira, M	1812	15/03/2022	Ferreira-Júnior, CA	Subshrub Dracenoid,	Rupicolous, Terrestrial	SPF
<i>Vellozia squamata</i> Pohl	Simon, MF	3441	08/08/2019	Simon, MF	Subshrub Dracenoid,	Rupicolous, Terrestrial	CEN
<i>Vellozia</i> sp.	Souza, RR	65	16/06/2021		Subshrub	Rupicolous, Terrestrial	CEN
<i>Vellozia variabilis</i> Mart. ex Schult. & Schult.f.	Simon, MF	3754	30/01/2015	Simon, MF	Subshrub	Rupicolous, Terrestrial	CEN

Verbenaceae

<i>Casselia chamaedryfolia</i> Cham.	Simon, MF	3517	05/10/2018	Walter, BMT	Herb, Subshrub	Terrestrial	CEN
<i>Casselia confertiflora</i> (Moldenke) Moldenke	Antar, GM	695	29/01/2015	O'Leary, N	Herb	Terrestrial	SPF

<i>Casselia</i> sp.	Schindler, B	394	19/03/2022		Herb, Subshrub	Terrestrial	CEN
<i>Lantana fucata</i> Lindl.	Caxambu, MG	3233	02/08/2010	Cordeiro, J & Felitto, G	Shrub	Terrestrial	HCF
<i>Lippia acutidens</i> Mart. & Schauer	Schindler, B	192	16/06/2021	Cardoso, PH	Shrub	Terrestrial	CEN
<i>Lippia ciliata</i> Salimena	Schindler, B	399	19/03/2022	Cardoso, PH	Subshrub	Terrestrial	CEN
<i>Lippia origanoides</i> Kunth	Simon, MF	3429	03/10/2018	Walter, BMT	Shrub	Terrestrial	CEN
<i>Stachytarpheta integrifolia</i> (Pohl) Walp.	Juliana S. Silva	1161	11/05/2012	Walter, BMT	Subshrub	Terrestrial	CEN
<i>Stachytarpheta longispicata</i> (Pohl) S.Atkins	Antar, GM	721	30/01/2015	Antar, GM	Subshrub	Terrestrial	SPF
<i>Verbena</i> sp.	Lombardi, JA	10255	10/04/1978		Subshrub	Terrestrial	HRCB

Vitaceae

<i>Cissus sulcicaulis</i> (Baker) Planch.	Simon, MF	4234	18/03/2022	Simon, MF	Liana/vine	Terrestrial	UB
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Vochysiaceae

<i>Qualea grandiflora</i> Mart.	Simon, MF	3994	24/02/2021	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Qualea hannekesaskiarum</i> Marc.-Berti *	Figueira, M	1714	26/02/2021	Figueira, M	Shrub, Tree	Terrestrial	CEN
<i>Qualea multiflora</i> Mart.	Fagg, CW Equipe ESEC	2015	20/11/2008	Fagg, CW	Shrub, Tree	Terrestrial	HST
<i>Qualea parviflora</i> Mart.	Serra Geral - TO	60	07/08/2019	Simon, MF	Shrub, Tree	Terrestrial	CEN
<i>Ruizterania wittrockii</i> (Malme) Marc.-Berti	Ferreira, MC Equipe ESEC	19	04/09/2016		Tree	Terrestrial	CEN
<i>Salvertia convallariodora</i> A.St.-Hil.	Serra Geral - TO	54	07/08/2019	Simon, MF	Tree	Terrestrial	CEN
<i>Vochysia gardneri</i> Warm.	Souza, RR	19	15/06/2021	Simon, MF	Tree	Terrestrial	CEN
<i>Vochysia haenkeana</i> Mart.	Figueira, M	1739	15/06/2021	Figueira, M & Schindler, B	Tree	Terrestrial	CEN
<i>Vochysia obovata</i> Stafleu	Neto, O	2648074.10	10/11/2017	Bijos, NR	Shrub Shrub, Subshrub	Terrestrial	UB
<i>Vochysia palmirana</i> F.França & Proença	Simon, MF	3759	08/08/2019	Simon, MF	Subshrub	Terrestrial	CEN
<i>Vochysia parviflora</i> Spruce ex Warm.	Pereira, A	96	08/08/2019		Tree	Terrestrial	CEN
<i>Vochysia pyramidalis</i> Mart.	Simon, MF	3461	03/10/2018	Simon, MF	Tree	Terrestrial	CEN

<i>Vochysia rufa</i> Mart.	Farias, R	354	03/05/2001	Walter, BMT	Tree	Terrestrial	CEN
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Xyridaceae

<i>Abolboda poarchon</i> Seub.	Silva, DP	95	04/11/2014		Herb	Terrestrial	UB
<i>Abolboda pulchella</i> Humb.	Silva, DP	98	04/11/2014		Herb	Terrestrial	UB
<i>Abolboda</i> sp.	Silva, DP	32	02/11/2014		Herb	Terrestrial	UB
<i>Xyris almae</i> Kral & Wand.	Silva, DP	527	06/06/2015		Herb	Terrestrial	UB
<i>Xyris blanchetiana</i> Malme	Silva, DP	529	06/06/2015		Herb	Terrestrial	UB
<i>Xyris dawsonii</i> L.B.Sm. & Downs	Silva, DP	120	07/12/2014		Herb	Terrestrial	UB
<i>Xyris fallax</i> Malme	Silva, DP	704	08/06/2015		Herb	Terrestrial	UB
<i>Xyris jupicai</i> Rich.	Silva, DP	135	07/12/2014		Herb	Terrestrial	UB
<i>Xyris macrocephala</i> Vahl	Silva, DP	125	07/12/2014		Herb	Terrestrial	UB
<i>Xyris pterygoblephara</i> Steud.	Silva, DP	540	11/12/2014		Herb	Aquatic, Terrestrial	UB
<i>Xyris goyazensis</i> Malme	Rezende, JM	1058	09/12/2005	Wanderley, MGL	Herb	Terrestrial	CEN
<i>Xyris hymenachne</i> Mart.	Cavalcanti, TB	2773	14/06/2002		Herb	Terrestrial	CEN
<i>Xyris savanensis</i> Miq.	Schindler, B	183	15/06/2021	Lozano, ED	Herb	Terrestrial	CEN
<i>Xyris spinulosa</i> Kral & L.B.Sm.	Silva, DP	557	06/06/2015		Herb	Terrestrial	UB
<i>Xyris teres</i> L.A.Nilsson	Silva, DP	139	07/12/2014		Herb	Terrestrial	UB
<i>Xyris tomentosa</i> L.B.Sm. & Downs	Silva, DP	526	06/06/2015		Herb	Terrestrial	UB
<i>Xyris tortula</i> Mart.	Silva, DP	127	08/06/2015		Herb	Terrestrial	UB
<i>Xyris</i> sp.	Souza, RR	287	18/03/2022		Herb	Terrestrial	CEN

Zingiberaceae

<i>Renealmia dermatopetala</i> K.Schum.	Simon, MF	3555	05/10/2018	Simon, MF	Herb	Terrestrial	CEN
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Annex III. List of vascular species present in the flora of the EESGT evaluated by the CNCFlora for conservation status: CR – Critically endangered; EN – Endangered; VU – Vulnerable; NT – Near Threatened; LC – Least Concern; DD – Data Deficient.

Family	Scientific name	Status CNCFlora
Alismataceae	<i>Sagittaria rhombifolia</i> Cham.	LC
Amaranthaceae	<i>Gomphrena agrestis</i> Mart.	LC
Amaranthaceae	<i>Pfaffia minarum</i> Pedersen	VU
Anacardiaceae	<i>Anacardium humile</i> A.St.-Hil.	LC
Anacardiaceae	<i>Astronium fraxinifolium</i> Schott	LC
Anemiaceae	<i>Anemia trichorhiza</i> Gardner	VU
Annonaceae	<i>Annona dioica</i> A.St.-Hil.	LC
Annonaceae	<i>Annona malmeana</i> R.E.Fr.	DD
Annonaceae	<i>Duguetia furfuracea</i> (A.St.-Hil.) Saff.	LC
Annonaceae	<i>Duguetia rotundifolia</i> R.E.Fr.	DD
Annonaceae	<i>Xylopia aromatica</i> (Lam.) Mart.	LC
Apocynaceae	<i>Aspidosperma macrocarpon</i> Mart. & Zucc.	LC
Apocynaceae	<i>Aspidosperma tomentosum</i> Mart. & Zucc.	LC
Apocynaceae	<i>Minaria acerosa</i> (Mart.) T.U.P.Konno & Rapini	LC
Apocynaceae	<i>Minaria cordata</i> (Turcz.) T.U.P.Konno & Rapini	DD
Arecaceae	<i>Attalea barreirensis</i> Glassman	VU
Asteraceae	<i>Baccharis paranensis</i> Heering & Dusén	NT
Asteraceae	<i>Eremanthus capitatus</i> (Spreng.) MacLeish	LC
Asteraceae	<i>Heterocondylus pumilus</i> (Gardner) R.M.King & H.Rob.	LC
Asteraceae	<i>Lepidaploa aurea</i> (Mart. ex DC.) H.Rob.	LC
Asteraceae	<i>Strophopappus bicolor</i> DC.	EN
Bignoniaceae	<i>Handroanthus impetiginosus</i> (Mart. ex DC.) Mattos	NT
Bignoniaceae	<i>Zeyheria montana</i> Mart.	LC
Bixaceae	<i>Cochlospermum regium</i> (Mart. ex Schrank) Pilg.	LC
Boraginaceae	<i>Euploca salicoides</i> (Cham.) J.I.M.Melo & Semir	LC
Bromeliaceae	<i>Aechmea bromeliifolia</i> (Rudge) Baker	LC
Bromeliaceae	<i>Encholirium disjunctum</i> Forzza	CR

Burmanniaceae	<i>Apteria aphylla</i> (Nutt.) Barnhart ex Small	LC
Burmanniaceae	<i>Burmannia flava</i> Mart.	LC
Cabombaceae	<i>Cabomba aquatica</i> Aubl.	LC
Cactaceae	<i>Cereus mirabella</i> N.P.Taylor	VU
Cactaceae	<i>Discocactus catingicola</i> Buining & Brederoo	VU
Cactaceae	<i>Epiphyllum phyllanthus</i> (L.) Haw.	LC
Caryocaraceae	<i>Caryocar coriaceum</i> Wittm.	LC
Chrysobalanaceae	<i>Leptobalanus gardneri</i> (Hook.f.) Sothers & Prance	LC
Clusiaceae	<i>Clusia criuva</i> Cambess.	LC
Connaraceae	<i>Rourea induta</i> Planch.	LC
Cucurbitaceae	<i>Cayaponia espelina</i> (Silva Manso) Cogn.	LC
Cyatheaceae	<i>Cyathea pungens</i> (Willd.) Domin	LC
Cyperaceae	<i>Rhynchospora tenuis</i> Link	EN LC
Dilleniaceae	<i>Davilla nitida</i> (Vahl) Kubitzki	LC
Dioscoreaceae	<i>Dioscorea orthogoneura</i> Uline ex Hochr.	LC
Eriocaulaceae	<i>Comanthera elegans</i> (Bong.) L.R.Parra & Giul.	EN
Eriocaulaceae	<i>Eriocaulon papillosum</i> Körn.	DD
Eriocaulaceae	<i>Syngonanthus caulescens</i> (Poir.) Ruhland	LC
Fabaceae	<i>Ancistrotropis firmula</i> (Mart. ex Benth.) A. Delgado	LC
Fabaceae	<i>Andira vermifuga</i> (Mart.) Benth.	LC
Fabaceae	<i>Bowdichia virgilioides</i> Kunth	NT
Fabaceae	<i>Cerradicola decumbens</i> (Benth.) L.P.Queiroz	LC
Fabaceae	<i>Chamaecrista coradinii</i> H.S. Irwin & Barneby	VU
Fabaceae	<i>Galactia striata</i> (Jacq.) Urb.	LC
Fabaceae	<i>Hymenaea courbaril</i> L.	LC
Fabaceae	<i>Peltogyne confertiflora</i> (Mart. ex Hayne) Benth.	LC
Fabaceae	<i>Plathymenia reticulata</i> Benth.	LC
Fabaceae	<i>Stryphnodendron adstringens</i> (Mart.) Coville	LC
Gentianaceae	<i>Curtia tenuifolia</i> (Aubl.) Knobl.	LC
Gentianaceae	<i>Schultesia guianensis</i> (Aubl.) Malme	LC
Gentianaceae	<i>Tetrapollinia caerulea</i> (Aubl.) Maguire & B.M.Boom	LC

Gentianaceae	<i>Voyria aphylla</i> (Jacq.) Pers.	DD
Gesneriaceae	<i>Sinningia elatior</i> (Kunth) Chautems	LC
Iridaceae	<i>Pseudotrimezia juncifolia</i> (Klatt) Lovo & A.Gil	CR
Krameriaceae	<i>Krameria tomentosa</i> A.St.-Hil.	LC
Lamiaceae	<i>Hyptidendron conspersum</i> (Benth.) Harley	EN
Lamiaceae	<i>Hyptis arenaria</i> Benth.	VU
Lamiaceae	<i>Hyptis fallax</i> Harley	LC
Lauraceae	<i>Aiouea trinervis</i> Meisn.	LC
Lauraceae	<i>Ocotea aciphylla</i> (Nees & Mart.) Mez	NT
Lauraceae	<i>Ocotea lancifolia</i> (Schott) Mez	LC
Lentibulariaceae	<i>Genlisea filiformis</i> A.St.-Hil.	LC
Lentibulariaceae	<i>Genlisea repens</i> Benj.	LC
Lentibulariaceae	<i>Utricularia trichophylla</i> Spruce ex Oliv.	LC
Loganiaceae	<i>Strychnos rubiginosa</i> A.DC.	LC
Loranthaceae	<i>Struthanthus flexicaulis</i> (Mart.) Mart.	CR EN DD
Lythraceae	<i>Lafoensia pacari</i> A.St.-Hil.	LC
Malpighiaceae	<i>Byrsonima rigida</i> A.Juss.	LC
Malpighiaceae	<i>Camarea affinis</i> A.St.-Hil.	LC
Malpighiaceae	<i>Diplopterys amplexens</i> (B.Gates) W.R.Anderson & C.C.Davis	NT
Malvaceae	<i>Pseudobombax tomentosum</i> (Mart.) A.Robyns	LC
Malvaceae	<i>Waltheria communis</i> A.St.-Hil.	LC
Marantaceae	<i>Monotagma plurispicatum</i> (Körn.) K.Schum.	LC
Melastomataceae	<i>Cambessedesia hilariana</i> (Kunth) DC.	LC
Melastomataceae	<i>Tibouchina papyrus</i> (Pohl) Toledo	NT
Myrtaceae	<i>Eugenia angustissima</i> O.Berg	LC
Myrtaceae	<i>Eugenia copacabanensis</i> Kiaersk.	LC
Myrtaceae	<i>Eugenia florida</i> DC.	LC
Myrtaceae	<i>Myrcia guianensis</i> (Aubl.) DC.	LC
Myrtaceae	<i>Myrcia variabilis</i> DC.	LC
Myrtaceae	<i>Myrcianthes cisplatensis</i> (Cambess.) O.Berg	LC
Myrtaceae	<i>Myrciaria cuspidata</i> O.Berg	LC

Myrtaceae	<i>Siphoneugena reitzii</i> D.Legrand	LC
Ochnaceae	<i>Ouratea acicularis</i> R.G.Chacon & K.Yamam.	EN
Orchidaceae	<i>Habenaria hexaptera</i> Lindl.	LC
Orchidaceae	<i>Habenaria schwackei</i> Barb.Rodr.	LC
Orobanchaceae	<i>Buchnera juncea</i> Cham. & Schldtl.	LC
Passifloraceae	<i>Passiflora amethystina</i> J.C.Mikan	LC
Piperaceae	<i>Piper fuliginum</i> Kunth	LC
Plantaginaceae	<i>Philcoxia goiasensis</i> P.Taylor	DD
Poaceae	<i>Arthropogon villosus</i> Nees	LC
Poaceae	<i>Axonopus aureus</i> P. Beauv.	LC
Poaceae	<i>Axonopus comans</i> (Trin. ex Döll) Kuhlms.	LC
Poaceae	<i>Axonopus fastigiatus</i> (Nees ex Trin.) Kuhlms.	VU
Poaceae	<i>Axonopus pressus</i> (Nees ex Steud.) Parodi	LC
Poaceae	<i>Loudetia flammida</i> (Trin.) C.E.Hubb.	LC
Poaceae	<i>Raddiella esenbeckii</i> (Steud.) C.E.Calderón & Soderstr.	LC
Polygalaceae	<i>Polygala monosperma</i> A.W.Benn.	EN
Polygalaceae	<i>Polygala sellowiana</i> A.St.-Hil. & Moq.	NT
Rhabdodendraceae	<i>Rhabdodendron gardneranum</i> (Benth.) Sandwith	DD
Rubiaceae	<i>Borreria irwiniana</i> E.L.Cabral	DD
Rubiaceae	<i>Coussarea hydrangeifolia</i> (Benth.) Müll.Arg.	LC
Rubiaceae	<i>Declieuxia fruticosa</i> (Willd. ex Roem. & Schult.) Kuntze	LC
Rubiaceae	<i>Staelia tocantinsiana</i> R.M.Salas & E.L.Cabral	EN
Rutaceae	<i>Spiranthera odoratissima</i> A.St.-Hil.	LC
Sapindaceae	<i>Magonia pubescens</i> A.St.-Hil.	LC
Sapotaceae	<i>Manilkara rufula</i> (Miq.) H.J.Lam	LC
Sapotaceae	<i>Pouteria glomerata</i> (Miq.) Radlk.	LC
Sapotaceae	<i>Pouteria subcaerulea</i> Pierre ex Dubard	LC
Sapotaceae	<i>Pouteria torta</i> (Mart.) Radlk.	LC
Sapotaceae	<i>Sarcaulus inflexus</i> (A.C.Sm.) T.D.Penn.	DD
Schizaeaceae	<i>Schizaea elegans</i> (Vahl) Sw.	LC
Simaroubaceae	<i>Homalolepis glabra</i> (Engl.) Devecchi & Pirani	VU

Theaceae	<i>Laplacea fruticosa</i> (Schrad.) Kobuski	LC
Turneraceae	<i>Turnera pinifolia</i> Cambess.	EN
Velloziaceae	<i>Vellozia variabilis</i> Mart. ex Schult. & Schult.f.	LC
Verbenaceae	<i>Lippia ciliata</i> Salimena	DD
Verbenaceae	<i>Stachytarpheta integrifolia</i> (Pohl) Walp.	EN
Xyridaceae	<i>Xyris almae</i> Kral & Wand.	NT
Xyridaceae	<i>Xyris goyazensis</i> Malme	EN

Anexx IV. Listo of new occurrences for the states of Tocantins and Bahia considering state records present in Flora and Funga do Brasil (2022).

New records for the estate of BA	New records for the state of TO
<p><i>Anemia trichorhiza</i> Gardner <i>Aiouea trinervis</i> Meisn. <i>Calea fruticosa</i> (Gardner) Urbatsch, Zlotzky & Pruski <i>Calliandra dysantha</i> Benth. <i>Chrysophyllum oliviforme</i> L. <i>Ctenodon elegans</i> (Schltdl. & Cham.) D.B.O.S.Cardoso & A.Delgado <i>Duguetia marcgraviana</i> Mart.</p> <p><i>Eriocaulon papillosum</i> Körn. <i>Eugenia mikanioides</i> O.Berg <i>Henriettea ovata</i> (Cogn.) Penneys, F.A. Michelangeli, Judd et Almeda <i>Ichthyothere suffruticosa</i> Gardner <i>Lessingianthus laevigatus</i> (Mart. ex DC.) H.Rob. <i>Mineirella eriophora</i> (Fée) Ponce & Scataglini <i>Myrcia tortuosa</i> (O.Berg) N.Silveira <i>Perama dichotoma</i> Poepp. & Endl. <i>Polygala monosperma</i> A.W.Benn. <i>Pouteria subcaerulea</i> Pierre ex Dubard <i>Rhynchospora loefgrenii</i> Boeckeler <i>Rudgea graciliflora</i> Standl. <i>Schultesia guianensis</i> (Aubl.) Malme <i>Syngonanthus umbellatus</i> (Lam.) Ruhland</p>	<p><i>Actinocephalus camptophyllus</i> (Ruhland) F.N.Costa & P.T.Sano</p> <p><i>Adenocalymma marginatum</i> (Cham.) DC. <i>Agarista oleifolia</i> (Cham.) G.Don <i>Aiouea glaziovii</i> (Mez) R.Rohde <i>Alibertia edulis</i> (Rich.) A.Rich. <i>Amanoa guianensis</i> Aubl. <i>Amanoa oblongifolia</i> Müll.Arg. <i>Amphilophium magnoliifolium</i> (Kunth) L.G.Lohmann <i>Andropogon macrothrix</i> Trin. <i>Andropogon multiflorus</i> Renvoize <i>Anemia andersonii</i> Mickel & Labiak <i>Apteria aphylla</i> (Nutt.) Barnhart ex Small <i>Aristida capillacea</i> Lam. <i>Arthropogon villosus</i> Nees <i>Axonopus fastigiatus</i> (Nees ex Trin.) Kuhlmann <i>Baccharis milleflora</i> (Less.) DC. <i>Baccharis paranensis</i> Heering & Dusén <i>Baccharis vulneraria</i> Baker <i>Banara tomentosa</i> Clos <i>Bauhinia platyphylla</i> Benth. <i>Bernardia gardneri</i> Müll.Arg.</p>

Turnera fasciculifolia L.Rocha & Arbo
Vochysia haenkeana Mart.

Blechnum polypodioides Raddi
Blepharodon amazonicum (Benth.) Fontella
Borreria argentea Cham.
Bredemeyera barbeyana Chodat
Bulbostylis amazonica Prata & M.G. López
Burmannia flava Mart.
Byrsonima laevis Nied.
Calea teucrifolia (Gardner) Baker
Cambessedesia membranacea Gardner
Cerradicola decumbens (Benth.) L.P. Queiroz
Chamaecrista amiciella (H.S. Irwin & Barneby)
H.S. Irwin & Barneby
Chamaecrista ciliolata (Benth.) H.S. Irwin &
Barneby
Chamaecrista fagonioides (Vogel) H.S. Irwin &
Barneby
Chamaecrista filicifolia (Benth.) H.S. Irwin &
Barneby
Chamaecrista linearis (H.S. Irwin & Barneby)
Afr. Fern. & E.P. Nunes
Chamaecrista nictitans (L.) Moench
Chamaecrista ramosa (Vogel) H.S. Irwin &
Barneby
Chamaecrista tomentella Afr. Fern.
Cipura formosa Ravenna
Clitoria guianensis (Aubl.) Benth.
Clusia criuva Cambess.
Comanthera elegans (Bong.) L.R. Parra & Giul.
Copaifera martii Hayne
Cordia humilis (K. Schum.) Kuntze

Cordia myrciifolia (K.Schum.) C.H.Perss. & Delprete
Croton grandivelus Baill.
Croton matourensis Aubl.
Cupania paniculata Cambess.
Cyanocephalus adpressus (A.St.-Hil. ex Benth.) Harley & J.F.B.Pastore
Cyathea delgadii Sternb.
Cybianthus guyanensis (A.DC.) Miq.
Cyperus cornelli-ostenii Kük.
Dalbergia miscolobium Benth.
Dalechampia occidentalis Müll.Arg.
Davilla minutifolia Fraga
Declieuxia tenuiflora (Willd. ex Roem. & Schult.) Steyerm. & J.H.Kirkbr.
Dioscorea sincorensis R.Knuth
Diplopterys amplexans (B.Gates) W.R.Anderson & C.C.Davis
Diplusodon helianthemifolius DC.
Distimake digitatus (Spreng.) A.R. Simões & Staples
Dodonaea viscosa Jacq.
Doliocarpus elliptifolius Kubitzki
Doryopteris concolor (Langsd. & Fisch.) Kuhn & Decken
Drosera montana A.St.-Hil.
Duguetia furfuracea (A.St.-Hil.) Saff.
Duguetia rotundifolia R.E.Fr.
Dyckia burchellii Baker
Eleocharis endounifascis Hinchliff & Roalson

Epistephium ellipticum R.O.Williams & Summerh.
Eremanthus glomerulatus Less.
Eriope arenaria Harley
Eriope parvifolia Mart.
Eriotheca gracilipes (K.Schum.) A.Robyns
Eryngium juncifolium (Urb.) Mathias & Constance
Erythrina variegata L.
Eschweilera grandiflora (Aubl.) Sandwith
Esterhazyia splendida J.C.Mikan
Eugenia albicans (O.Berg) Urb.
Eugenia copacabanensis Kiaersk.
Eugenia cupulata Amshoff
Eugenia macrosperma DC.
Eugenia mansoi O.Berg
Eugenia myrcianthes Nied.
Eugenia rigida DC.
Ficus coerulescens (Rusby) Rossberg
Ficus guaranitica Chodat
Forsteronia affinis Müll.Arg.
Gaylussacia brasiliensis (Spreng.) Meisn.
Gymnosiphon cymosus (Benth.) Benth. & Hook.f.
Gyptis pinnatifita Cass.
Handroanthus chrysotrichus (Mart. ex DC.) Mattos
Heisteria citrifolia Engl.
Heliotropium transalpinum Vell.
Heterocondylus pumilus (Gardner) R.M.King & H.Rob.

Heteropterys pannosa Griseb.
Hieronyma alchorneoides Allemão
Homalolepis glabra (Engl.) Devecchi & Pirani
Hymenaea longifolia (Benth.) I.M.Souza, Funch
& L.P.Queiroz
Hypenia irregularis (Benth.) Harley
Ilex conocarpa Reissek
Ilex inundata Poepp. ex Reissek
Jacaranda praetermissa Sandwith
Kielmeyera lathrophyton Saddi
Kielmeyera petiolaris Mart. & Zucc.
Krapovickasia macrodon (A.DC.) Fryxell
Lantana fucata Lindl.
Leocereus bahiensis Britton & Rose
Manihot nana Müll.Arg.
Manihot pentaphylla subsp. tenuifolia (Pohl)
D.J.Rogers & Appan
Manilkara rufula (Miq.) H.J.Lam
Manilkara triflora (Allemão) Monach.
Mansoa difficilis (Cham.) Bureau & K.Schum.
Mascagnia divaricata (Kunth) Nied.
Microlicia cryptandra Naudin
Microlicia polystemma Naudin
Microstachys serrulata (Mart.& Zucc.) F.Dietr
Mimosa burchellii Benth.
Mimosa flocculosa Burkart
Mimosa gardneri Benth.
Mimosa hypoglauca Mart.
Mimosa polycephala Benth.
Mimosa setosa Benth.

Mimosa skinneri Benth.
Minaria acerosa (Mart.) T.U.P.Konno & Rapini
Moquilea egleri (Prance) Sothers & Prance
Myrcia cuspidata (Mart. ex DC.) A.R.Lourenço & E.Lucas
Myrcia hartwegiana (O.Berg) Kiaersk.
Myrcia hebepetala DC.
Myrcia linearifolia Cambess.
Myrcia retorta Cambess.
Myrcia rufipes DC.
Myrcia sylvatica (G.Mey.) DC.
Myrcianthes cisplatensis (Cambess.) O.Berg
Myrciaria delicatula (DC.) O.Berg
Nephrolepis biserrata (Sw.) Schott
Ocellochloa gardneri (Mez) Filg & R.S. Rodr.
Ocotea notata (Nees & Mart.) Mez
Ocotea xanthocalyx (Nees) Mez
Odontadenia hypoglauca Müll.Arg.
Odontadenia nitida (Vahl) Müll.Arg.
Oenocarpus bacaba Mart.
Ouratea semiserrata (Mart. & Nees) Engl.
Pagamea plicata Spruce ex Benth.
Palicourea gracilentata (Müll.Arg.) Delprete & J.H.Kirkbr.
Palicourea guianensis Aubl.
Palicourea triphylla DC.
Parapolystichum effusum (Sw.) Ching
Paspalum convexum Humb. & Bonpl. ex Flügge
Paspalum vaginatum Sw.
Passiflora amethystina J.C.Mikan

Passiflora mansoi (Mart.) Mast.
Paullinia capreolata (Aubl.) Radlk.
Pavonia rosa-campestris A.St.-Hil.
Peltaea macedoi Krapov. & Cristóbal
Peltogyne pauciflora Benth.
Peperomia alata Ruiz & Pav.
Pfaffia minarum Pedersen
Pfaffia sericantha (Mart.) Pedersen
Philcoxia goiasensis P.Taylor
Philodendron propinquum Schott
Phyllanthus allemii G.L.Webster
Phyllanthus stipulatus (Raf.) G.L.Webster
Pilostyles blanchetii (Gardner) R.Br.
Pleroma setosociliatum (Cogn.) F.S. Mey. & F.B. Matos
Pleroma tuberosum Gardner ex Triana
Polygala mandonii Chodat
Pontederia ovalis Mart.
Pouteria anomala (Pires) T.D.Penn.
Pouteria glomerata (Miq.) Radlk.
Protium heptaphyllum (Aubl.) Marchand
Protium pilosissimum Engl.
Prunus brasiliensis (Cham. & Schltldl.) D.Dietr.
Pseudotrimezia juncifolia (Klatt) Lovo & A.Gil
Psidium guineense Sw.
Psidium oligospermum Mart. ex DC.
Qualea hannekesaskiarum Marc.-Berti
Qualea multiflora Mart.
Rhynchospora albobracteata A.C.Araújo
Rhynchospora brasiliensis Boeckeler

Rhynchospora caracasana (Kunth) Boeckeler
Rhynchospora terminalis Nees ex Steud.
Rhynchospora trispicata (Nees) Schrad. ex Steud.
Richterago discoidea (Less.) Kuntze
Ruellia densa (Nees) Hiern
Ruellia trachyphylla Lindau
Sarcaulus inflexus (A.C.Sm.) T.D.Penn.
Schiekia orinocensis (Kunth) Meisn.
Scleria verticillata Muhl. ex Willd.
Seguiera aculeata Jacq.
Selaginella radiata (Aubl.) Spring
Senegalia globosa (Bocage & Miotto)
L.P. Queiroz
Serjania communis Cambess.
Sida angustissima A.St.-Hil.
Sida silvaniana Krapov.
Siphoneugena reitzii D.Legrand
Sisyrinchium vaginatum Spreng.
Smilax rufescens Griseb.
Solanum lycocarpum A.St.-Hil.
Solanum stipulaceum Willd. ex Roem. & Schult.
Solanum symmetricum Rusby
Spigelia schlechtendaliana Mart.
Strychnos rubiginosa A.DC.
Styrax pohlii A.DC.
Syngonanthus gracilis (Bong.) Ruhland
Syngonanthus verticillatus (Bong.) Ruhland
Tapirira retusa Ducke
Thaumatophyllum uliginosum (Mayo) Sakur.,
Calazans & Mayo

Tibouchina llanorum Wurdack
Vellozia bulbosa L.B.Sm.
Vellozia glochidea Pohl
Vismia cayennensis (Jacq.) Pers.
Vitex cymosa Bertero ex Spreng.
Vochysia parviflora Spruce ex Warm.
Voyria aphylla (Jacq.) Pers.
Waltheria albicans Turcz.
Waltheria brachypetala Turcz.
Waltheria excelsa Turcz.
Xyris teres L.A.Nilsson
Xyris tomentosa L.B.Sm. & Downs
Zygia cataractae (Kunth) L.Rico
