

Type specimens deposited in the Coleção Entomológica do Centro de Coleções Taxonômicas (CCT) da UFMG, Brazil - part I: Hexapoda except Odonata

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Short title: Hexapoda type specimens in the CCT-UFMG

Abstract

The Coleção Entomológica do Centro de Coleções Taxonômicas (CCT) at the Universidade Federal de Minas Gerais (UFMG) is a significant repository of insect specimens, housing a diverse range of orders and providing invaluable resources for taxonomic and ecological research. With over 245 thousand registered specimens, it stands as the largest collection within the CCT-UFMG. This paper presents a catalog of the collection's insect type specimens, excluding Odonata. The cataloging process involved examination of digital databases, scientific literature, and specimen labels to identify and document type specimens and their associated information. For each taxon we provide the bibliographic reference containing the original description, preservation method, sex, the number of specimens deposited in the CCT-UFMG, geographic distribution, and notes on inconsistencies with the literature. For the 92 primary types, we also describe the data label and the condition of the specimens. Hymenoptera predominates with 80 holotypes / neotypes (87% of the total), of which 54 are bees. Other orders represented in holotypes include Coleoptera (1), Diptera (1), Hemiptera (8), Mecoptera (1), and Phasmatodea (1). Paratypes encompass 133 species across six orders: Coleoptera, Diptera, Hemiptera, Hymenoptera, Lepidoptera, and Phasmatodea, with Hymenoptera again being the dominant order, comprising 549 paratypes of 114 species, including 79 species of bees (74% of total paratypes).

Keywords: Biological collection, Catalog, Entomology.

Introduction

The entomological collection, known as the Coleção Entomológica do Centro de Coleções Taxonômicas da Universidade Federal de Minas Gerais (CCT-UFMG), is one of the 20 biological collections housed at the CCT-UFMG, in Belo Horizonte, Minas Gerais State, Brazil. Although the center itself was established in 2015, the history of its insect collection dates back much further. Between 1977 and 1980, more than 60 thousand specimens representing various insect orders were collected from the Parque Estadual do Rio Doce (Rio Doce State Park) in Minas Gerais and stored at UFMG Department of Zoology (Silveira & Alvarenga 2011). Over time, the collection grew through the accumulation of specimens collected and prepared by the research groups at UFMG dedicated to insect taxonomy and ecology. Additionally, the collection

expanded through the incorporation of other valuable collections.

One noteworthy collection incorporated into the CCT-UFMG is the Acácio Costa Júnior collection from the Instituto Agrônomo de Minas Gerais (Minas Gerais Agriculture Institute). Although this collection consists of a relatively small number of specimens, it provides a unique documentation of the entomofauna, particularly in and around Belo Horizonte, from 1940 to 1960, including natural areas that no longer exist (Silveira & Alvarenga, 2011). Furthermore, two collections primarily focused on bees were integrated into the CCT-UFMG: one assembled by Anthony Raw at the Universidade Estadual de Santa Cruz in Bahia State, Brazil, and another one by Clemens Peter Schlindwein, from the UFMG Department of Botany. In 2021, the Odonata collection, comprising dragonflies and damselflies, assembled by Angelo Barbosa Monteiro Machado,

was also incorporated into the CCT-UFMG as the *Coleção Especial Angelo B. M. Machado* from the Centro de Coleções Taxonômicas at UFMG (Special Collection Angelo B. M. Machado from the Center of Taxonomic Collections of the Federal University of Minas Gerais, ABMM). This collection comprises over 35 thousand specimens and includes more than a hundred primary types, as documented by Professor Angelo. Due to its significance, we intend to publish the Odonata data in a separate manuscript.

Additionally, the collection receives voucher specimens from environmental monitoring projects. Between 2012 and 2022, the collection received insects from 94 of such projects, primarily consisting of the orders Diptera (flies), Lepidoptera (moths and butterflies), and Hymenoptera (bees and wasps). Hymenoptera, particularly bees, represent the majority of specimens acquired in this context, totaling over 36 thousand specimens. On the other hand, Lepidoptera vouchers account for nearly 5 thousand specimens, comprising approximately 55% of the total number of specimens housed at CCT-UFMG from this order.

With a database containing over 245 thousand records and at least twice that number of specimens awaiting processing and entry, the entomology collection stands as the largest within the CCT-UFMG. While the collection predominantly consists of adult specimens, it also includes immature stages, and a few fossils and nests. These specimens have been used in more than 145 scientific publications, including master's dissertations, doctoral thesis, and scientific papers. Hymenoptera represents nearly 85% of the collection, including a significant portion of the type material. This prevalence is primarily attributed to the contributions of the research groups led by professors Rogério Parentoni Martins, whose research focus on the ecology of various groups, including the Hymenoptera; Alice Fumi Kumagai, an expert in the taxonomy of parasitoid Darwin Wasps; and Fernando Amaral da Silveira, an expert in bees.

Fernando Amaral da Silveira, who worked at UFMG from 1996 to 2022, played a crucial role in advocating for the preservation of UFMG's biological collections and was instrumental in the creation of the CCT-UFMG. Silveira participated in the taxonomic collections committee of the Instituto de Ciências Biológicas (Biological Sciences Institute) at UFMG. This committee was established in 1997 with the objective of preserving the institute's biological

collections, and assisting in the establishment of policies for these collections, among other responsibilities. He served as the first curator of the entomology collection from 2015 to 2022. During this period, he successfully negotiated the acquisition of the aforementioned collections integrated to the CCT-UFMG, and obtained dedicated space to accommodate the growing number of specimens. He joined UFMG and established the Laboratório de Sistemática e Ecologia de Abelhas (Bee Systematics and Ecology Laboratory) within the Department of Zoology. The bees collected by Silveira, his students, and the research group led by Rogério Parentoni formed the foundation of the CCT-UFMG bee collection. Over a decade ago, this collection consisted of an estimated 100 thousand specimens, making it the third-largest Brazilian bee collection at the time (Silveira & Alvarenga 2011). Presently, the database contains over 157 thousand bees, with an unknown number of specimens yet to be registered.

Methods

The current catalog includes all insect orders present in the collection, except Odonata, which will be covered in a separate publication that encompasses the specimens from the Special Collection Angelo B. M. Machado.

Types are listed alphabetically, considering four taxonomic ranks: order, family, genus and species. All holotypes have their exact label data transcribed. Separate labels are indicated by opening and closing quotes. Any remarks regarding the writing of the labels are enclosed in square brackets. Unless otherwise noted, all listed specimens are pinned.

Each entry includes: the taxon's name in its original combination; the complete reference to the original description in APA format; the number of type specimens of each sex actually deposited in CCT-UFMG, with question mark "?" if the sex is not indicated on the specimen label and cannot be determined due to specimen's condition; their preservation method if not dry and pinned; the transcription of holotype labels, with supplementary information in square brackets '['']; their corresponding voucher number in the CCT-UFMG database; the condition of the holotype for specimens in the collection, or the information 'specimen not checked' for those on loan at the time; the paratypes

voucher numbers in the CCT-UFGM database; type series distribution information (country, state, and city) for types deposited in the collection; and notes regarding taxonomic changes or any inconsistencies between the original description information and the observation made on the specimens and labels.

To compile a definitive list of type specimens from this diverse collection, several protocols were established and followed for each source of information used, including the digital database and printed documents provided by previous curators, scientific literature, and the labels of specimens preserved in the collection.

Database:

1. Search among all nearly 246 thousand records of specimens in the database (31 spreadsheets) to identify potential type specimens;
2. Cross-reference the identified specimens with scientific literature to validate their status as type specimens;
3. Access the original publication of the species and extract the relevant text that designates or lists the type specimens;
4. Consult the specimen loan documents;
5. Search for the specimens in the collection.

Specimen labels:

1. Search in the collection for specimens with type labels that have not yet been inserted or properly updated in the database;
2. Cross-reference the identified specimens with scientific literature to validate their status as type specimens;
3. Access the original publication of the species and extract the text that designates or lists the type specimens.

Scientific literature:

In order to ensure the comprehensive inclusion of type specimens designated by external researchers during ongoing loans (specimens not yet returned), and to address the possibility of type specimens that were not identified in the previous steps (labels and databases), we conducted an extensive search within the literature. This search involved using keyword combinations consisting of institutions names, taxonomist's names, and taxa mentioned in loan

documents. Additionally, combinations including the UFGM acronym, taxonomists who have made significant contributions to the formation of our collection, and the taxa they have extensively studied were also utilized.

Results

The primary types consist of 92 species classified under six orders. Paratypes consist of 662 specimens belonging to 133 species across six orders (Table 1).

Table 1. Number of types categorized by order and family. For paratypes, the number of specimens is also included.

Order	Family	Number of species		Number of specimens
		Holotypes / Neotypes	Paratypes	Paratypes
Coleoptera	Cantharidae	-	3	3
	Cerambycidae	-	2	2
	Phengodidae	1	1	5
Diptera	Muscidae	1	2	3
Hemiptera	Cicadellidae	6	7	59
	Eriococcidae	2	2	17
Hymenoptera	Andrenidae	1	17	83
	Apidae	37	33	169
	Aulacidae	3	1	2
	Bethylidae	6	17	30
	Chrysididae	1	1	2
	Colletidae	10	13	71
	Dryinidae	2	1	1
	Halictidae	5	17	84
	Ichneumonidae	8	10	101
	Leucospidae	2	2	2
	Megachilidae	1	-	-
	Monomachidae	1	-	-
Lepidoptera	Vespididae	3	3	4
	Nymphalidae	-	1	3
Mecoptera	Bittacidae	1	-	-
Phasmatodea	Phasmatidae	1	1	22
Total		92	134	663

All the 6 Cicadellidae holotypes deposited at the CCT-UFGM were mistakenly referred to as being deposited in the Pe J. S. Moure collection (Universidade Federal do Paraná, Brazil) in the original description. They were recently returned to the CCT-UFGM.

Some of the Apidae paratypes listed in their original descriptions as deposited at the CCT-UFGM were donated to the Instituto Biológico da

Universidade Federal de Uberlândia (Minas Gerais, Brazil).

Catalog of type specimens

COLEOPTERA

CANTHARIDAE

Discodon tamoio Biffi & Geiser, 2022

Biffi, G. & Geiser, M. (2022) A revision of *Discodon tricolor* (Guérin-Méneville) and its mimics from the Atlantic forests of Brazil (Coleoptera: Cantharidae). *European Journal of Taxonomy*, 834, 148-189.

1 paratype (♂) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-ICO-2200002.

Type series distribution: Brazil: São Paulo: Salesópolis.

Discodon tenuecostatum Biffi & Geiser, 2022

Biffi, G. & Geiser, M. (2022) A revision of *Discodon tricolor* (Guérin-Méneville) and its mimics from the Atlantic forests of Brazil (Coleoptera: Cantharidae). *European Journal of Taxonomy*, 834, 148-189.

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-ICO-2200001.

Type series distribution: Brazil: Rio de Janeiro: Teresópolis.

Discodon vanini Biffi & Geiser, 2022

Biffi, G. & Geiser, M. (2022) A revision of *Discodon tricolor* (Guérin-Méneville) and its mimics from the Atlantic forests of Brazil (Coleoptera: Cantharidae). *European Journal of Taxonomy*, 834, 148-189.

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-ICO-2200000.

Type series distribution: Brazil: Minas Gerais: Monte Verde.

CERAMBYCIDAE

Aegomorphus antonkozlovi Santos-Silva et al., 2020

Santos-Silva, A., Nascimento, F.E.L. & Silva Jr. J.

O. (2020) Description of two new Acanthoderini, and description of the male of *Oreodera advena* Martins & Galileo (Coleoptera, Cerambycidae, Lamiinae). *Zootaxa*, 4790(3).

1 paratype (♂) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-ICO-2300018.

Type series distribution: Peru: La Libertad.

Plistonax albituberculatus Silva Júnior & Souza, 2019

Silva, J.O.J. & Haseyama, K.L.F. (2019) New species and new combination in the genus *Plistonax* Thomson, 1864 (Cerambycidae, Lamiinae, Acanthoderini). *Zootaxa*, 4679(2).

1 paratype (♂) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-ICO-1902647.

Type series distribution: Brazil: Rio de Janeiro: Rio de Janeiro.

PHENGODIDAE

Microphrixothrix kumagaiiae Roza & Mermudes, 2019

Roza, A.S. & Mermudes, J.R.M. (2019) New genus and two new species of railroad-worm beetles from Brazil, with a discussion on asymmetry of aedeagus in the family (Coleoptera: Phengodidae). *Annales Zoologici*, 69(4), 805-816.

The holotype (♂) and 5 paratypes (5♂) are deposited in CCT-UFMG.

Holotype labeled "BRA, MG. Ipaba. Macedônia, 31.VII-07.VIII.2005, J.C.R. Fontenelle col.", UFMG-ICO-1902585.

Condition of holotype: Not checked.

Paratype voucher numbers: UFMG-ICO-1902580, UFMG-ICO-1902581, UFMG-ICO-1902582, UFMG-ICO-1902584, UFMG-ICO-1902586.

Type series distribution: Brazil: Minas Gerais: Ipaba.

DIPTERA

MUSCIDAE

Callainireinwardtia papaveri Haseyama, Boiarski, Soares & de Carvalho, 2024

Haseyama, K.L.F., Boiarski, M.C.R., Soares, E.D.G., Nihei, S.S. & de Carvalho, C.J.B. (2024) *Callainireinwardtia* Savage (diptera, muscidae) is a

Cyrtonaurinae of uncertain position: Systematics and description of a new species from Brazil. *Zoologischer Anzeiger*, 310, 1-9.

The holotype (♀) and 2 paratypes (♀) are deposited in CCT-UFMG.

Holotype labeled “BRA, M[inas] G[erais], São Gonçalo Rio Abaixo, EPDA-Peti, 19°52'49"S; 43°22'06"W, 19.iv.2002, Malaise, A.F.Kumagai leg.”, UFMG-IDI-1702599.

Condition of holotype: In good condition.

Paratype voucher numbers: UFMG-IDI-1701016, UFMG-IDI-1702629.

Type series distribution: Brazil: Minas Gerais: São Gonçalo do Rio Abaixo.

Cyrtoneuropsis nisae Haseyama & Carvalho, 2012

Haseyama, K.L. & de Carvalho, C.J. (2012) A new species of *Cyrtoneuropsis* (Diptera: Muscidae) with considerations on the phylogeny of the genus. *Zoologia (Curitiba)*, 29, 549-556.

1 paratype (♂) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IDI-2300105.

Type series distribution: Brazil: Paraná: Jundiá do Sul.

HEMIPTERA

CICADELLIDAE

Frequenamia bicuspidata Zanol, 2003

Zanol, K.M.R. (2003) *Frequenamia* (Cicadellidae, Deltocephalinae): distribuição geográfica, notas sinónimas e descrições de dezessete novas espécies. *Acta Biológica Paranaense*, 32.

The holotype (♂) and 7 paratypes (4♀, 3♂) are deposited in CCT-UFMG.

Holotype labeled “BRASIL. Minas Gerais: Belo Horizonte (Est. Ecol. UFMG), 1.X. 1998, A. F. Kumagai”, UFMG-IHE-1700039.

Condition of holotype: Abdomen in a vial pinned with specimen. Apart from that, in good condition.

Paratype voucher numbers: UFMG-IHE-1200067, UFMG-IHE-1200068, UFMG-IHE-1700040, UFMG-IHE-1700041, UFMG-IHE-1700042, UFMG-IHE-1700043, UFMG-IHE-1700044.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

Frequenamia elegantiae Zanol, 2003

Zanol, K.M.R. (2003) *Frequenamia* (Cicadellidae, Deltocephalinae): distribuição geográfica, notas sinónimas e descrições de dezessete novas espécies. *Acta Biológica Paranaense*, 32.

The holotype (♂) and 15 paratypes (6♀, 7♂, 2?) are deposited in CCT-UFMG.

Holotype labeled “BRASIL. Minas Gerais: Belo Horizonte (Est. Ecol. UFMG), 21.X.1998, A. F. Kumagai leg.”, UFMG-IHE-1700022.

Condition of holotype: Abdomen in a vial pinned with specimen. Apart from that, in good condition.

Paratype voucher numbers: UFMG-IHE-1200087, UFMG-IHE-1200088, UFMG-IHE-1200089, UFMG-IHE-1700023, UFMG-IHE-1700024, UFMG-IHE-1700025, UFMG-IHE-1700026, UFMG-IHE-1700027, UFMG-IHE-1700028, UFMG-IHE-1700029, UFMG-IHE-1700030, UFMG-IHE-1700031, UFMG-IHE-1700032, UFMG-IHE-1700033, UFMG-IHE-1700034.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

Frequenamia fumiae Zanol, 2003

Zanol, K.M.R. (2003) *Frequenamia* (Cicadellidae, Deltocephalinae): distribuição geográfica, notas sinónimas e descrições de dezessete novas espécies. *Acta Biológica Paranaense*, 32.

The holotype (♂) and 9 paratypes (5♀, 4♂) are deposited in CCT-UFMG.

Holotype labeled “BRASIL. Minas Gerais: São Gonçalo Rio Abaixo (Peti-CEMIG), 14.II.2003, A.F. Kumagai leg.”, UFMG-IHE-1700045.

Condition of holotype: Abdomen in a vial pinned with specimen. Apart from that, in good condition.

Paratype voucher numbers: UFMG-IHE-1200112, UFMG-IHE-1200113, UFMG-IHE-1700046, UFMG-IHE-1700047, UFMG-IHE-1700049, UFMG-IHE-1700050, UFMG-IHE-1700051, UFMG-IHE-1700052, UFMG-IHE-1700053.

Type series distribution: Brazil: Minas Gerais: São Gonçalo do Rio Abaixo.

Frequenamia jucunda Zanol, 2003

Zanol, K.M.R. (2003) *Frequenamia* (Cicadellidae, Deltocephalinae): distribuição geográfica, notas sinónimas e descrições de dezessete novas espécies. *Acta Biológica Paranaense*, 32.

The holotype (♂) and 8 paratypes (3♀, 5♂) are deposited in CCT-UFMG.

Holotype labeled “BRASIL. Minas Gerais: São Gonçalo Rio Abaixo (Peti-CEMIG), 21.VI.2002, A.F. Kumagai *leg.*” UFMG-IHE-1700007.

Condition of holotype: Abdomen in a vial pinned with specimen. Apart from that, in good condition

Paratype voucher numbers: UFMG-IHE-1200137, UFMG-IHE-1200138, UFMG-IHE-1200139, UFMG-IHE-1200140, UFMG-IHE-1700008, UFMG-IHE-1700009, UFMG-IHE-1700010, UFMG-IHE-1700011.

Type series distribution: Brazil: Minas Gerais: São Gonçalo do Rio Abaixo.

***Frequenamia venustula* Zanol, 2003**

Zanol, K.M.R. (2003) *Frequenamia* (Cicadellidae, Deltocephalinae): distribuição geográfica, notas sinonímicas e descrições de dezessete novas espécies. *Acta Biológica Paranaense*, 32.

1 paratype (1♂) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHE-1200154.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Parabahita carajasa* Zanol, 2011**

Zanol, K.M.R. (2011) *Parabahita* Linnavuori (Hemiptera: Cicadellidae, Deltocephalinae): descrição de uma nova espécie. *Acta Biológica Paranaense*, 40(1-4).

The holotype (♂) and 3 paratypes (2♀, 1♂) are deposited in CCT-UFMG.

Holotype labeled “Brasil, Pará, Flona Carajás (S11B- Malaise/campo), 31.I-06.II.2010, Kumagai, Lopes, Lima, Fonseca, Jacobi col.”, UFMG-IHE-1700037.

Condition of holotype: Abdomen in a vial pinned with specimen. Apart from that, in good condition

Paratype voucher numbers: UFMG-IHE-1700035, UFMG-IHE-1700036, UFMG-IHE-1700038.

Type series distribution: Brazil: Pará: FLONA Carajás

***Yungasia rupiatia* Zanol, 2012**

Zanol, K.M.R. (2012) Novas espécies de *Yungasia* Linnavuori (Hemiptera, Cicadellidae, Deltocephalinae). *Acta Biológica Paranaense*, 41.

The holotype (♂) and 16 paratypes (8♀, 8♂) are deposited in CCT-UFMG.

Holotype labeled “Brasil, Minas Gerais, São Gonçalo do Rio Abaixo, 16.VIII.2002, A. Kumagai

leg.”, UFMG-IHE-1700012.

Condition of holotype: Abdomen in a vial pinned with specimen. Apart from that, in good condition.

Paratype voucher numbers: UFMG-IHE-1700000, UFMG-IHE-1700001, UFMG-IHE-1700002, UFMG-IHE-1700003, UFMG-IHE-1700004, UFMG-IHE-1700005, UFMG-IHE-1700006, UFMG-IHE-1700013, UFMG-IHE-1700014, UFMG-IHE-1700015, UFMG-IHE-1700016, UFMG-IHE-1700017, UFMG-IHE-1700018, UFMG-IHE-1700019, UFMG-IHE-1700020, UFMG-IHE-1700021.

Type series distribution: Brazil: Minas Gerais: São Gonçalo do Rio Abaixo.

ERIOCOCCIDAE

***Bystracoccus mataybae* Hodgson, Isaias & Oliveira, 2013**

Hodgson, C., Isaias, R.M. & Oliveira, D.C. (2013) A new gall-inducing genus and species of Eriococcidae (Hemiptera: Sternorrhyncha: Coccoidea) on Sapindaceae from Brazil. *Zootaxa*, 3734(3), 317-330.

The holotype (♀) and 12 paratypes (7♀, 4 first instar, 1 of second instar) are deposited in CCT-UFMG.

Holotype labeled “BRAZIL, Uberlândia, Minas Gerais, in leaf gall on *Matayba guianensis* (Sapindaceae), 9.xii.2011, D. Oliveira (UFMG)”, UFMG-IHE-1700067.

Condition of holotype: In good condition.

Paratype voucher numbers: UFMG-IHE-1700068, UFMG-IHE-1700069, UFMG-IHE-1700070, UFMG-IHE-1700071, UFMG-IHE-1700072, UFMG-IHE-1700073, UFMG-IHE-1700074, UFMG-IHE-1700075, UFMG-IHE-1700076, UFMG-IHE-1700077, UFMG-IHE-1700078, UFMG-IHE-1700079.

Type series distribution: Brazil: Goiás: Morrinho. Minas Gerais: Uberlândia.

Preservation: Preserved in permanent slide.

***Eriogallococcus isaias* Hodgson & Magalhães, 2011**

Hodgson, C., Magalhães, T.A. & Miller, D. (2011) Two new gall-inducing genera and species of Eriococcidae (Hemiptera) on Malvaceae and Anacardiaceae from the Neotropics. *Lundiana: International Journal of Biodiversity*, 10(1), 53-72.

The holotype (♀) and 5 paratypes (3♀, 2♂) are deposited in CCT-UFMG.

Holotype labeled “Brazil, State Park of Sumidouro, Lagoa Santa Municipality, Minas Gerais, on *Pseudobombax grandiflorum* (Malvaceae), 23.ix.2009, Thiago A. Magalhães (UFMG)”, UFMG-IHE-1700054.

Condition of holotype: In good condition.

Paratype voucher numbers: UFMG-IHE-1700055, UFMG-IHE-1700056, UFMG-IHE-1700057, UFMG-IHE-1700058, UFMG-IHE-1700059.

Type series distribution: Brazil: Minas Gerais: Lagoa Santa.

Preservation: Preserved in permanent slide.

HYMENOPTERA

ANDRENIDAE

Chaeturginus alexanderi Ruz & Melo, 1999

Ruz, L. & Melo, G.A.R. (1999) Reassessment of the bee genus *Chaeturginus* (Apoidea: Andrenidae, Panurginae), with the description of a new species from southeastern Brazil. *Entomological contributions in memory of Byron A. Alexander*, 231-236.

20 paratypes (4♀, 16♂) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-11909, UFMG-IHY-11910, UFMG-IHY-11926, UFMG-IHY-11932, UFMG-IHY-11934, UFMG-IHY-11935, UFMG-IHY-11975, UFMG-IHY-11976, UFMG-IHY-11977, UFMG-IHY-14026, UFMG-IHY-14030, UFMG-IHY-14032, UFMG-IHY-14468, UFMG-IHY-14474, UFMG-IHY-15124, UFMG-IHY-15167, UFMG-IHY-15202, UFMG-IHY-15203, UFMG-IHY-15432, UFMG-IHY-7152.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

Nolanomelissa toroi Rozen, 2003

Rozen, J.G. Jr. (2003) A new tribe, genus, and species of South American panurgine bee (Andrenidae, Panurginae), oligolectic on *Nolana* (Nolanaceae) pp. 93-108 in Melo, G. A. R. & Alves-dos-Santos, I. (ed.) *Apoidea Neotropica: Homenagem aos 90 anos de Jesus Santiago Moure*. Criciúma: UNESC 320 pp.

1 paratype (1?) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-1300987.

Type series distribution: Chile: Region III: Posada Elsa.

Panurgillus eustictus Schlindwein & Moure, 1998

Schlindwein, C. & Moure, J.S. (1998) *Panurgillus* gênero novo de Panurginae, com a descrição de quatorze espécies do sul do Brasil (Hymenoptera, Andrenidae). *Revista Brasileira de Zoologia*, 15, 397-439.

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-40303.

Type series distribution: Brazil: Rio Grande do Sul: Caçapava do Sul.

Notes: Currently classified as *Rhophitulus eustictus* (Schlindwein & Moure, 1998).

Panurgillus flavitarsis Schlindwein & Moure, 1998

Schlindwein, C. & Moure, J.S. (1998) *Panurgillus* gênero novo de Panurginae, com a descrição de quatorze espécies do sul do Brasil (Hymenoptera, Andrenidae). *Revista Brasileira de Zoologia*, 15, 397-439.

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-40321.

Type series distribution: Brazil: Rio Grande do Sul: Osório.

Notes: Currently classified as *Rhophitulus flavitarsis* (Schlindwein & Moure, 1998).

Panurgillus formosus Schlindwein & Moure, 1998

Schlindwein, C. & Moure, J.S. (1998) *Panurgillus* gênero novo de Panurginae, com a descrição de quatorze espécies do sul do Brasil (Hymenoptera, Andrenidae). *Revista Brasileira de Zoologia*, 15, 397-439.

3 paratypes (♀) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-2204206, UFMG-IHY-2204207, UFMG-IHY-40293.

Type series distribution: Brazil: Rio Grande do Sul: Quaraí.

Notes: Currently classified as *Rhophitulus formosus* (Schlindwein & Moure, 1998).

Panurgillus guariticola Schlindwein & Moure, 1998

Schlindwein, C. & Moure, J.S. (1998) *Panurgillus* gênero novo de Panurginae, com a descrição de

quatorze espécies do sul do Brasil (Hymenoptera, Andrenidae). *Revista Brasileira de Zoologia*, 15, 397-439.

3 paratypes (2♀, 1?) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-2102014, UFMG-IHY-2204208, UFMG-IHY-40313.

Type series distribution: Brazil: Rio Grande do Sul: Caçapava do Sul.

Notes: Currently classified as *Rhophitulus guariticola* (Schlindwein & Moure, 1998).

Panurgillus hamatus Schlindwein & Moure, 1998

Schlindwein, C. & Moure, J.S. (1998) *Panurgillus* gênero novo de Panurginae, com a descrição de quatorze espécies do sul do Brasil (Hymenoptera, Andrenidae). *Revista Brasileira de Zoologia*, 15, 397-439.

6 paratypes (3♀, 3♂) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-40318, UFMG-IHY-40319, UFMG-IHY-2102015, UFMG-IHY-2204209, UFMG-IHY-2204210, UFMG-IHY-2204211.

Type series distribution: Brazil: Rio Grande do Sul: Capão da Canoa.

Notes: Currently classified as *Rhophitulus hamatus* (Schlindwein & Moure, 1998).

Panurgillus harterae Schlindwein & Moure, 1998

Schlindwein, C. & Moure, J.S. (1998) *Panurgillus* gênero novo de Panurginae, com a descrição de quatorze espécies do sul do Brasil (Hymenoptera, Andrenidae). *Revista Brasileira de Zoologia*, 15, 397-439.

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-40322.

Type series distribution: Brazil: Rio Grande do Sul: São Francisco de Paula.

Notes: Currently classified as *Rhophitulus harterae* (Schlindwein & Moure, 1998).

Panurgillus holostictus Schlindwein & Moure, 1998

Schlindwein, C. & Moure, J.S. (1998) *Panurgillus* gênero novo de Panurginae, com a descrição de quatorze espécies do sul do Brasil (Hymenoptera, Andrenidae). *Revista Brasileira de Zoologia*, 15, 397-439.

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-40308.

Type series distribution: Brazil: Rio Grande do Sul: Caçapava do Sul.

Notes: Currently classified as *Rhophitulus holostictus* (Schlindwein & Moure, 1998).

Panurgillus malvacearum Schlindwein & Moure, 1998

Schlindwein, C. & Moure, J.S. (1998) *Panurgillus* gênero novo de Panurginae, com a descrição de quatorze espécies do sul do Brasil (Hymenoptera, Andrenidae). *Revista Brasileira de Zoologia*, 15, 397-439.

13 paratypes (12♀, 1?) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-40296, UFMG-IHY-40316, UFMG-IHY-40317, UFMG-IHY-2102020, UFMG-IHY-2102021, UFMG-IHY-2204212, UFMG-IHY-2204213, UFMG-IHY-2204214, UFMG-IHY-2204215, UFMG-IHY-2204216, UFMG-IHY-2204217, UFMG-IHY-2204218, UFMG-IHY-2204219.

Type series distribution: Brazil: Rio Grande do Sul: Caçapava do Sul.

Notes: Currently classified as *Rhophitulus malvacearum* (Schlindwein & Moure, 1998).

Panurgillus minutus Schlindwein & Moure, 1998

Schlindwein, C. & Moure, J.S. (1998) *Panurgillus* gênero novo de Panurginae, com a descrição de quatorze espécies do sul do Brasil (Hymenoptera, Andrenidae). *Revista Brasileira de Zoologia*, 15, 397-439.

4 paratypes (♀) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-2204221, UFMG-IHY-2204222, UFMG-IHY-40314, UFMG-IHY-40315.

Type series distribution: Brazil: Rio Grande do Sul: Capão da Canoa.

Notes: Currently classified as *Rhophitulus minutus* (Schlindwein & Moure, 1998).

Panurgillus pereziae Schlindwein & Moure, 1998

Schlindwein, C. & Moure, J.S. (1998) *Panurgillus* gênero novo de Panurginae, com a descrição de quatorze espécies do sul do Brasil (Hymenoptera, Andrenidae). *Revista Brasileira de Zoologia*, 15, 397-439.

9 paratypes (8♀, 1♂) are deposited in CCT-

UFMG.

Paratype voucher numbers: UFMG-IHY-40309, UFMG-IHY-40310, UFMG-IHY-40311, UFMG-IHY-2102013, UFMG-IHY-2204223, UFMG-IHY-2204224, UFMG-IHY-2204225, UFMG-IHY-2204226, UFMG-IHY-2204227.

Type series distribution: Brazil: Rio Grande do Sul: Caçapava do Sul; Santana da Boa Vista.

Notes: Currently classified as *Rhophitulus pereziae* (Schlindwein & Moure, 1998).

Panurgillus plumosulus Schlindwein & Moure, 1998

Schlindwein, C. & Moure, J.S. (1998) *Panurgillus* gênero novo de Panurginae, com a descrição de quatorze espécies do sul do Brasil (Hymenoptera, Andrenidae). *Revista Brasileira de Zoologia*, 15, 397-439.

2 paratypes (♀) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-2204228, UFMG-IHY-40300.

Type series distribution: Brazil: Rio Grande do Sul: Caçapava do Sul; Santana da Boa Vista.

Notes: Currently classified as *Rhophitulus plumosulus* (Schlindwein & Moure, 1998).

Panurgillus politus Schlindwein & Moure, 1998

Schlindwein, C. & Moure, J.S. (1998) *Panurgillus* gênero novo de Panurginae, com a descrição de quatorze espécies do sul do Brasil (Hymenoptera, Andrenidae). *Revista Brasileira de Zoologia*, 15, 397-439.

2 paratypes (♀) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-2204229, UFMG-IHY-40304.

Type series distribution: Brazil: Rio Grande do Sul: Caçapava do Sul.

Notes: Currently classified as *Rhophitulus politus* (Schlindwein & Moure, 1998).

Panurgillus reticulatus Schlindwein & Moure, 1998

Schlindwein, C. & Moure, J.S. (1998) *Panurgillus* gênero novo de Panurginae, com a descrição de quatorze espécies do sul do Brasil (Hymenoptera, Andrenidae). *Revista Brasileira de Zoologia*, 15, 397-439.

8 paratypes (♀) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-40294,

UFMG-IHY-40305, UFMG-IHY-40320, UFMG-IHY-2102007, UFMG-IHY-2204230, UFMG-IHY-2204231, UFMG-IHY-2204232, UFMG-IHY-2204233.

Type series distribution: Brazil: Rio Grande do Sul: Caçapava do Sul; Osório; Viamão.

Notes: Currently classified as *Rhophitulus reticulatus* (Schlindwein & Moure, 1998).

Parapsaenythia lanata Ramos & Melo, 2010

Ramos, K.S. & Melo, G.A. (2010) Taxonomic revision and phylogenetic relationships of the bee genus *Parapsaenythia* Friese (Hymenoptera, Apidae, Protandrenini), with biogeographic inferences for the South American Chacoan Subregion. *Systematic Entomology*, 35(3), 449-474.

2 paratypes (♀) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-2204200, UFMG-IHY-2204201.

Type series distribution: Brazil: Alagoas: Piranhas.

Rhophitulus ater Ramos, Siriani-Oliveira & Schlindwein, 2019

Ramos, K.D.S., Siriani-Oliveira, S. & Schlindwein, C. (2019) A new oligolectic bee species of the genus *Rhophitulus* Ducke (Hymenoptera, Andrenidae) from South Brazil. *Revista Brasileira de Entomologia*, 63, 349-355.

The holotype (♀) and 8 paratypes (4♀, 4♂) are deposited in CCT-UFMG.

Holotype labeled "PARNA [Parque Nacional] São Joaquim\ Urubuci [Urubici], SC [Santa Catarina] \Brasil 13/12/2016\Samuel Oliveira leg." "L. 320.706\Blumenbachia\catharinensis", UFMG-IHY-1803416.

Condition of holotype: In good condition.

Paratype voucher numbers: UFMG-IHY-1901605, UFMG-IHY-1901606, UFMG-IHY-1901607, UFMG-IHY-1901608, UFMG-IHY-1901609, UFMG-IHY-1901610, UFMG-IHY-1901611, UFMG-IHY-1901612.

Type series distribution: Brazil: Santa Catarina: Urubici.

APIDAE

Bombus bahiensis Santos Júnior & Silveira, 2015

Santos Junior, J.E., Santos, F.R. & Silveira, F.A. (2015) Hitting an unintended target: Phylogeography

of *Bombus brasiliensis* Lepeletier, 1836 and the first new Brazilian bumblebee species in a century (Hymenoptera: Apidae). *PLoS One*, 10(5), e0125847.

The holotype (♀) and 2 paratypes (♀) are deposited in CCT-UFMG.

Holotype labeled “Ilhéus BA; Brasil 18/11/2009; A. Nemésio”, “Euglossina da Hiléia Baiana, Campus UESC; 16724–47065”, “*Bombus bahiensis*; Santos Júnior & Silveira, sp. n.; HOLOTYPUS”, “UFMG-IHY-47065”.

Condition of holotype: Missing right hind leg; right pedicel and flagellum glued on Geographic label. Apart from that, in good condition.

Type series distribution: Brazil: Bahia: Ilhéus.

Bombus (Thoracobombus) applanatus Oliveira, Françoço & Arias, 2016

Françoço, E., de Oliveira, F.F. & Arias, M.C. (2016) An integrative approach identifies a new species of bumblebee (Hymenoptera: Apidae: Bombini) from northeastern Brazil. *Apidologie*, 47(2), 171–185.

2 paratypes (♀) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-13443, UFMG-IHY-23796.

Type series distribution: Brazil: Distrito Federal: Brasília. Pará: Abel Figueiredo.

Notes: Currently classified as junior synonym of ***Bombus (Fervidobombus) brevivillus*** Franklin, 1913.

Centris (Centris) aethyctera Snelling, 1974

Snelling, R.R. (1974) Notes on the distribution and taxonomy of some North American *Centris* (Hymenoptera: Anthophoridae). *Contributions in science (Natural History Museum of Los Angeles County)*, 259, 1–41.

2 paratypes (1♂, 1?) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-1904348, UFMG-IHY-1904349.

Type series distribution: Costa Rica: Guanacaste.

Centris (Trachina) machadoi Azevedo & Silveira, 2005

Azevedo, A.A. & Silveira, F.A. (2005) Two new species of *Centris (Trachina)* Klug, 1807 (Hymenoptera: Apidae) from the state of Minas Gerais, Brazil, with a note on *Centris pachysoma* Cockerell, 1919. *Lundiana: International Journal of Biodiversity*, 6(sup.), 41–48.

The holotype (♀) and 9 paratypes (5♀, 4♂) are deposited in CCT-UFMG.

Holotype labeled “sucupira-preta, Faz[enda]. Vargem Grande, 8538-25987”, “Bocaiúva MG, BRASIL 11/08/2003, A.A.Azevedo”, “*Centris machadoi* Azevedo & Silveira, sp.n. HOLOTYPUS”, UFMG-IHY-25987.

Condition of holotype: In good condition.

Paratype voucher numbers: UFMG-IHY-13179, UFMG-IHY-25985, UFMG-IHY-25986, UFMG-IHY-25991, UFMG-IHY-25996, UFMG-IHY-27145, UFMG-IHY-30679, UFMG-IHY-30714, UFMG-IHY-2300583.

Type series distribution: Brazil: Minas Gerais: Bocaiúva; Brasilândia de Minas; Itacambira; Januária; São Gonçalo do Rio Preto.

Centris (Trachina) rupestris Azevedo & Silveira, 2005

Azevedo, A.A. & Silveira, F.A. (2005). Two new species of *Centris (Trachina)* Klug, 1807 (Hymenoptera: Apidae) from the state of Minas Gerais, Brazil, with a note on *Centris pachysoma* Cockerell, 1919. *Lundiana: International Journal of Biodiversity*, 6(sup.), 41–48.

The holotype (♀) and 10 paratypes (6♀, 4♂) are deposited in CCT-UFMG.

Holotype labeled “*Chamaechrista semaphora*, S. [erra] do Cipó, 7788-23499”, “Santana do Riacho MG, BRASIL 02/06/2001, M. F. Goulart”, “*Centris rupestris* Azevedo & Silveira, sp.n., HOLOTYPUS”, UFMG-IHY-23499.

Condition of holotype: In good condition.

Paratype voucher numbers: UFMG-IHY-23465, UFMG-IHY-23472, UFMG-IHY-23507, UFMG-IHY-23517, UFMG-IHY-7108, UFMG-IHY-7122, UFMG-IHY-7139, UFMG-IHY-7290, UFMG-IHY-2300581, UFMG-IHY-2300582.

Type series distribution: Brazil: Minas Gerais: Brumadinho; Santana do Riacho; São Gonçalo do Rio Preto.

Eufriesea atlantica Nemésio, 2008

Nemésio, A. (2007) *Eufriesea atlantica* sp. n. (Hymenoptera: Apidae), a new orchid bee from the Brazilian Atlantic Forest. *Lundiana: International Journal of Biodiversity*, 8(2), 147–152.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled “PROPERD, 4,000 m [from the

forest edge] – área VII, 10896-32242” and “Marliéria – MG, Brasil, 18/12/1999, A.Nemésio”, UFMG-IHY-32242.

Condition of holotype: In good condition.

Type series distribution: Brazil: Minas Gerais: Marliéria.

Notes: According to the original description, there were 4 paratypes in the collection, but none of them were located.

***Eufriesea heideri* Nemésio & Bembé, 2008**

Nemésio, A. & Bembé, B. (2008) A new species of *Eufriesea* from Bolivia, and rearrangement of the *Eufriesea auripes* species group. *Spixiana* (München), 31, 241-246.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled “Bolivien, Chapare, Rio Chimore bei Entre Rios, 11.11.2002, leg. B. Bembé” and “an Farn schwärmend” (circling a fern plant) [Handwritten in indelible ink] and “Aff. E. nigrohirta, 2006 det. B. Bembé” and “12321-36322” and “*Eufriesea heideri* Nemésio & Bembé, Holotypus”, UFMG-IHY-36322.

Condition of holotype: In good condition

Type series distribution: Bolivia: Chapare.

***Eufriesea violacea* (Blanchard, 1840)**

Nemésio, A. (2009). Orchid bees (Hymenoptera: Apidae) of the Brazilian Atlantic Forest. *Zootaxa*, 2041(1), 1-242.

The Neotype (♂) is deposited in CCT-UFMG.

Neotype labeled “13125-38946” and “Viçosa, MG, Brasil, 18/12/1990, A. A. Soares” and “*Eufriesea violacea* ♂ (Blanchard, 1840), A. Nemésio det. 2007”, UFMG-IHY-38946.

Condition of neotype: in good condition.

Type series distribution: Brazil: Minas Gerais: Viçosa.

***Eufriesea zhangii* Nemésio & Santos Jr., 2013**

Nemésio, A., Júnior, S.J. & Santos, F.R. (2013). *Eufriesea zhangii* sp. n. (Hymenoptera: Apidae: Euglossina), a new orchid bee from Brazil revealed by molecular and morphological characters. *Zootaxa*, 3609(6), 568-582.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled “BRASIL, CE, Ubajara, Parque Nacional Ubajara, 03°49'53.4”, 40°54'02.4W, 456m 26.iv.2012 Vanilina, J.E. Santos Jr, UFMG-IHY-1207628”.

Condition of holotype: Terminalia in a vial pinned with specimen. Apart from that, in good condition.

Type series distribution: Brazil: Ceará: Ubajara.

***Euglossa adiastrata* Hinojosa-Díaz, Nemésio & Engel, 2012**

Hinojosa-Díaz, I.A., Nemésio, A. & Engel, M.S. (2012) Two new species of *Euglossa* from South America, with notes on their taxonomic affinities (Hymenoptera, Apidae). *ZooKeys*, 221, 63-79.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled “Euglossina da Hiléia Baiana; REBIO C. Veado; 18289 – 52751 // Pinheiros ES; BRASIL 09/02/2010; A. Nemésio”, UFMG-IHY-52751.

Condition of holotype: Terminalia in a vial pinned with specimen. Apart from that, in good condition.

Type series distribution: Brazil: Bahia: Camacan; Igrapiúna; Ilhéus; Porto Seguro; Prado; Uruçuca. Espírito Santo: Conceição da Barra; Linhares; Pinheiros. Minas Gerais: Santa Maria do Salto.

Notes: According to the original description, there were 13 paratypes in the collection, but none of them were located.

***Euglossa anodorhynchi* Nemésio, 2006**

Nemésio, A. (2006) *Euglossa anodorhynchi* sp. n. (Hymenoptera: Apidae), a new orchid bee from southern Brazil. *Neotropical Entomology*, 35, 206-209.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled “10372-30262” and “Joinville, SC, Brasil, 17/06/1989, A. A. Soares”, UFMG-IHY-30262.

Condition of holotype: Missing left flagellomeres 4+. Apart from that, in good condition.

Type series distribution: Brazil: Santa Catarina: Joinville.

***Euglossa aratingae* Nemésio, 2009**

Nemésio, A. (2009) Orchid bees (Hymenoptera: Apidae) of the Brazilian Atlantic Forest. *Zootaxa*, 2041(1), 1-242.

The holotype (♂) and 1 paratype (♀) are deposited in CCT-UFMG.

Holotype labeled “13136-38962” and “Campus - USP, Rib.[eirão] Preto-SP - BR, 5.2-cel. 1, 7.I.1991” and “Garófalo, Camillo, Serrano leg.” and “*Euglossa townsendi*”, UFMG-IHY-38962.

Condition of holotype: In good condition.

Paratype voucher number: UFMG-IHY-38963.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte; Itamarandiba; Paraopeba; Sabará. São Paulo: Ribeirão Preto.

Notes: Currently classified as junior synonym of *Euglossa (Euglossa) townsendi* Cockerell, 1904.

Notes: According to the original description, there were 18 paratypes in the collection, but only the Allotype was located.

***Euglossa bembei* Nemésio, 2011**

Nemesio, A. (2011) *Euglossa bembei* sp. n. (Hymenoptera: Apidae): a new orchid bee from the Brazilian Atlantic Forest belonging to the *Euglossa cybelia* Moure, 1968 species group. *Zootaxa*, 3006, 43-49.

The holotype (♂) and 20 paratypes (♂) are deposited in CCT-UFMG.

Holotype labeled “Euglossina da Hileia Baiana, RPPN Duas Barras, 18579-53337” and “Brasil, Sta. Maria [do] Salto, MG, 04/02/2011, A. Nemésio” and “Euglossa (Euglossa) bembei Nemésio, sp. n., HOLOTYPE”, UFMG-IHY-53337.

Condition of holotype: in good condition.

Paratype voucher numbers: UFMG-IHY-50991, UFMG-IHY-50997, UFMG-IHY-51010, UFMG-IHY-51056, UFMG-IHY-51082, UFMG-IHY-51122, UFMG-IHY-51169, UFMG-IHY-53252, UFMG-IHY-53342, UFMG-IHY-53456, UFMG-IHY-53554, UFMG-IHY-53716, UFMG-IHY-53728, UFMG-IHY-57785, UFMG-IHY-59142, UFMG-IHY-59722, UFMG-IHY-59723, UFMG-IHY-60529, UFMG-IHY-60819, UFMG-IHY-61985.

Type series distribution: Brazil: Bahia: Camacam; Itamaraju; Porto Seguro; Prado. Minas Gerais: Santa Maria do Salto. Pernambuco: Caruaru. Rio de Janeiro: Santa Maria Madalena; Silva Jardim.

***Euglossa carolina* Nemésio, 2009**

Nemesio, A. (2009) Orchid bees (Hymenoptera: Apidae) of the Brazilian Atlantic Forest. *Zootaxa*, 2041(1), 1-242.

The holotype (♂) and 1 paratype (♀) are deposited in CCT-UFMG.

Holotype labeled “13138-38964” and “Campus da USP, Ribeirão Preto, SP, BR, RP94, 18.XII.1996” and “Serrano, Augusto, leg.” and “Euglossa cordata [handwritten]”, UFMG-IHY-38964.

Condition of holotype: Left hindleg beyond coxa glued on a triangle pinned with specimen. Apart from that, in good condition.

Paratype voucher number: UFMG-IHY-38965.

Type series distribution: Brazil: São Paulo: Ribeirão Preto.

Notes: Currently classified as junior synonym of *Euglossa (Euglossa) cordata* (Linnaeus, 1758).

***Euglossa clausi* Nemésio & Engel, 2012**

Nemesio, A. & Engel, M.S. (2012) Three new cryptic species of *Euglossa* from Brazil (Hymenoptera, Apidae). *ZooKeys*, 222, 47-68.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled “Euglossini do PERD, Pq. E. Rio Doce, 3859-11105”, “Marliéria, MG, Brasil, 04/07/1999, A. Nemésio”, UFMG-IHY-11105.

Condition of holotype: In good condition.

Type series distribution: Brazil: Minas Gerais: Marliéria.

Notes: According to the original description, there were 3 paratypes in the collection, but none was located.

***Euglossa jacquelynae* Nemésio, 2007**

Nemésio, A. (2007) Three new species of *Euglossa* Latreille (Hymenoptera: Apidae) from Brazil. *Zootaxa*, 1547(1), 21-31.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled “Brasil, GO, Caldas Novas, 25/11/2004, Silva, C. I. col.”, UFMG-IHY-36328.

Condition of holotype: in good condition.

Type series distribution: Brazil: Goiás: Caldas Novas.

Notes: Currently classified as junior synonym of *Euglossa (Euglossella) azurea* Ducke, 1902.

Notes: According to the original description, there were 2 paratypes in the collection, but none was located.

***Euglossa laurensi* Bembé, 2008**

Bembé, B. (2008) *Euglossa laurensi* sp. n.—Eine neue Prachtbienenart aus Bolivien (Hymenoptera, Apidae, Euglossini). *Mitteilungen der Münchner Entomologischen Gesellschaft*, 98, 59-65.

1 paratype (♂) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-42948.

Type series distribution: Bolivia: Chapare.

***Euglossa marianae* Nemésio, 2011**

Nemesio, A. (2011) *Euglossa marianae* sp. n. (Hymenoptera: Apidae): a new orchid bee from the Brazilian Atlantic Forest and the possible first documented local extinction of a forest-dependent orchid bee. *Zootaxa*, 2892, 59-68.

The holotype (♂) and 27 paratypes (♂) are deposited in CCT-UFMG.

Holotype labeled “Euglossini do PERD, Pq. E. Rio Doce, 3858-11096”, “Brasil, Marliéria, MG, 04/07/1999, A. Nemésio”, “*Euglossa* (*Euglossa*) *marianae* Nemésio, sp. n., HOLOTYPUS”, UFMG-IHY-11096.

Condition of holotype: In good condition.

Paratype voucher numbers: UFMG-IHY-2300536, UFMG-IHY-2300537, UFMG-IHY-2300538, UFMG-IHY-2300539, UFMG-IHY-2300540, UFMG-IHY-2300541, UFMG-IHY-2300542, UFMG-IHY-2300543, UFMG-IHY-2300544, UFMG-IHY-2300545, UFMG-IHY-2300546, UFMG-IHY-2300547, UFMG-IHY-2300548, UFMG-IHY-2300549, UFMG-IHY-2300550, UFMG-IHY-2300551, UFMG-IHY-2300552, UFMG-IHY-2300553, UFMG-IHY-2300554, UFMG-IHY-2300555, UFMG-IHY-2300556, UFMG-IHY-2300557, UFMG-IHY-2300558.

Type series distribution: Brazil: Minas Gerais: Marliéria.

***Euglossa milenae* Bembé, 2007**

Bembé, B. (2007) Revision der *Euglossa cordata*-Gruppe und Untersuchungen zur Funktionsmorphologie und Faunistik der Euglossini (Hymenoptera, Apidae). *Entomofauna*, 14(Supp.), 1-146.

1 paratype (♂) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-42935.

Type series distribution: Bolivia: Cochabamba: Villa Tunari.

***Euglossa monnei* Nemésio, 2012**

Nemésio, A. (2012) Species of *Euglossa* Latreille, 1802 (Hymenoptera: Apidae: Euglossina) belonging to the purpurea species group occurring in eastern Brazil, with description of *Euglossa monnei* sp. n. *Zootaxa*, 3151, 35-52.

The holotype (♂) and 11 paratypes (♂) are deposited in CCT-UFMG.

Holotype labeled “Euglossina da Hileia Baiana,

FLONA Rio Preto, 17479-49985”, “Conceição da Barra, ES, Brasil, 26/12/2009, A. Nemésio” and “*Euglossa* (*Euglossa*) *monnei* Nemésio, sp. n., HOLOTYPUS”, “UFMG-IHY-49985”.

Condition of holotype: Missing left midleg tarsomeres 2+. Apart from that, in good condition.

Type series distribution: UFMG-IHY-46211, UFMG-IHY-47680, UFMG-IHY-48258, UFMG-IHY-48292, UFMG-IHY-48634, UFMG-IHY-48980, UFMG-IHY-49156, UFMG-IHY-51040, UFMG-IHY-56144, UFMG-IHY-59389, UFMG-IHY-60463.

***Euglossa moratoi* Nemésio & Engel, 2012**

Nemesio, A. & Engel, M.S. (2012) Three new cryptic species of *Euglossa* from Brazil (Hymenoptera, Apidae). *ZooKeys*, 222, 47-68.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled “EIA Porto Trombetas, Cipó I, Zona Leste, 12200-36025”, “Oriximiná, PA, Brasil 25/02/2007, R. B. Martines”, UFMG-IHY-36025.

Condition of holotype: Missing right flagellomeres 3+. Apart from that, in good condition.

Type series distribution: Brazil: Pará: Oriximiná.

***Euglossa nanomelanotricha* Nemésio, 2009**

Nemésio, A. (2009) Orchid bees (Hymenoptera: Apidae) of the Brazilian Atlantic Forest. *Zootaxa*, 2041(1), 1-242.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled “13128-38953”, “Brasil, PB, Cabedelo, Mata da Amem, 10/V/2005, M. H. P. Peixoto, col.”, UFMG-IHY-38953.

Condition of holotype: in good condition.

Type series distribution: Brazil: Paraíba: Cabedelo.

Notes: According to the original description, there were 2 paratypes in the collection, but none was located.

***Euglossa occidentalis* Roubik, 2004**

Roubik, D.W. (2004) Sibling species of *Glossura* and *Glossuropoda* in the Amazon region (Hymenoptera: Apidae: Euglossini). *Journal of the Kansas Entomological Society*, 77(3), 235-253.

1 paratype (♂) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-1208865.

Type series distribution: Ecuador: Cononaco.

***Euglossa orellana* Roubik, 2004**

Roubik, D.W. (2004) Sibling species of *Glossura*

and Glossuopoda in the Amazon region (Hymenoptera: Apidae: Euglossini). *Journal of the Kansas Entomological Society*, 77(3), 235-253.

1 paratype (♂) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-2300577.

Type series distribution: ?Peru: ?Madre de Dios

Notes: There is no geographic information on the specimen labels, only a handwritten number and two identifications. One of the identifications suggests "*E. chalybeata*", which, according to the description would be the information found in the type specimens collected in Peru: Madre de Dios.

***Euglossa pepeï* Nemésio & Engel, 2012**

Nemésio, A. & Engel, M.S. (2012) Three new cryptic species of *Euglossa* from Brazil (Hymenoptera, Apidae). *ZooKeys*, 222, 47-68.

The holotype (♂) and 1 paratypes (♂) are deposited in CCT-UFMG.

Holotype labeled "Euglossina da Hileia Baiana, PN Pau Brasil, 19679-56729", "Porto Seguro, BA, Brasil, 19/04/2009, A. Nemésio", UFMG-IHY-56729.

Condition of holotype: In good condition.

Paratype voucher number: UFMG-IHY-56790.

Type series distribution: Brazil: Bahia: Porto Seguro.

***Euglossa roderici* Nemésio, 2009**

Nemésio, A. (2009) Orchid bees (Hymenoptera: Apidae) of the Brazilian Atlantic Forest. *Zootaxa*, 2041(1), 1-242.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled "13131-39956", "São Sebastião, SP, BR, Mata Guaecá, 18/XII/[19]99, Mateus S. Leg, salicilato de metila", UFMG-IHY-38956.

Condition of holotype: In good condition.

Type series distribution: Brazil: São Paulo: São Sebastião.

***Euglossa roubiki* Nemésio, 2009**

Nemésio, A. (2009) Orchid bees (Hymenoptera: Apidae) of the Brazilian Atlantic Forest. *Zootaxa*, 2041(1), 1-242.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled "Est.[ação] Vera Cruz, 7192-21338", "Porto Seguro, BA, Brasil, 03/08/1999, P. Cordeiro", UFMG-IHY-21338.

Condition of holotype: In good condition.

Type series distribution: Brazil: Bahia: Porto

Seguro.

Notes: Currently classified as junior synonym of *Euglossa (Glossura) iopoeila* Dressler, 1982.

Notes: According to the original description, there were 12 paratypes in the collection, but none was located.

***Euglossa solangeae* Nemésio, 2007**

Nemésio, A. (2007) Three new species of *Euglossa* Latreille (Hymenoptera: Apidae) from Brazil. *Zootaxa*, 1547(1), 21-31.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled "Ilha do Cardoso, SP, Brasil, 25/IX/2005, S. C. Augusto", "12327-36332", UFMG-IHY-36332.

Condition of holotype: in good condition.

Type series distribution: Brazil: São Paulo: Ilha do Cardoso.

Notes: Currently classified as junior synonym of *Euglossa (Glossura) stellfeldti* Moure, 1947. According to the original description, there were 4 paratypes in the collection, but none was located.

***Euglossa sovietica* Nemésio, 2007**

Nemésio, A. (2007) Three new species of *Euglossa* Latreille (Hymenoptera: Apidae) from Brazil. *Zootaxa*, 1547(1), 21-31.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled "Parque Nacional da Serra do Divisor, Brasil – AC, 13/XI/1996, Sítio N. 3 – Norte, 7°28'38"S – 73°41'54"W, E. F. Morato leg.", "12323-36325", UFMG-IHY-36325.

Condition of holotype: Missing right midleg tarsus, left hindleg tarsomeres 4+. Apart from that, in good condition.

Type series distribution: Brazil: Acre: Parque Nacional da Serra do Divisor.

***Eulaema atleticana* Nemésio, 2009**

Nemésio, A. (2009) Orchid bees (Hymenoptera: Apidae) of the Brazilian Atlantic Forest. *Zootaxa*, 2041(1), 1-242.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled "Cajaíba, 13°22'08"S – 39°04'20"W, 7420-21952", "Valença, BA, Brasil, 08/10/1994, E. L. Neves" and "E. (*Eulaema*) flavescens (Friese, 1899), ♂, F. A. Silveira det. 2006", UFMG-IHY-21952.

Condition of holotype: In good condition.

Type series distribution: Brazil: Bahia: Camamu.

Notes: According to the original description, there were 14 paratypes in the collection, but none was located.

Eulaema felipei Nemésio, 2010

Nemesio, A. (2010) *Eulaema* (*Apeulaema*) *felipei* sp. n. (Hymenoptera: Apidae: Euglossina): a new forest-dependent orchid bee found at the brink of extinction in northeastern Brazil. *Zootaxa*, 2424, 51-62.

The holotype (♂) and 5 paratypes (♂) are deposited in CCT-UFMG.

Holotype labeled “Euglossina de Alagoas, Est. [ação] Ecol.[ógica] de Murici, 14954-43460”, “Murici, AL, Brasil, 03/09/2009, A. Nemésio”, UFMG-IHY-43460.

Condition of holotype: In good condition.

Paratype voucher numbers: UFMG-IHY-43459, UFMG-IHY-43498, UFMG-IHY-43595, UFMG-IHY-43638, UFMG-IHY-44032.

Type series distribution: Brazil: Alagoas: Murici.

Eulaema marcii Nemésio, 2009

Nemésio, A. (2009) Orchid bees (Hymenoptera: Apidae) of the Brazilian Atlantic Forest. *Zootaxa*, 2041(1), 1-242.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled “Euglossini do PERD, Pq. [=Parque] E.[stadual] Rio Doce, 3883-11151”, “Marliéria, MG, Brasil, 03/07/1999, A. Nemésio”, UFMG-IHY-11151.

Condition of holotype: In good condition.

Type series distribution: Brazil: Minas Gerais: Marliéria.

Notes: Currently classified as junior synonym of *Eulaema* (*Apeulaema*) *cingulata* (Fabricius, 1804). According to the original description, there were 58 paratypes in the collection, but none was located.

Eulaema meriana (Olivier, 1789)

Nemésio, A. & Rasmussen, C. (2011) Nomenclatural issues in the orchid bees (Hymenoptera: Apidae: Euglossina) and an updated catalogue. *Zootaxa*, 3006(1), 1-42.

The neotype (♂) is deposited in CCT-UFMG.

Neotype labeled “EIA Porto Trombetas, Teófilo 2, Zona Leste, 11517-34171”, “Oriximiná, PA, Brasil, 10/12/2006, R. B. Martines”, “*Apis meriana* Olivier,

1789, NEOTYPUS”, “*Apis dimidiata* Fabricius, 1793, NEOTYPUS”, UFMG-IHY-34171.

Condition of neotype: in good condition.

Type series distribution: Brazil: Pará: Oriximiná.

Eulaema quadragintanovem Nemésio & Ferrari, 2012

Nemesio, A. & Ferrari, R.R. (2012) The species of *Eulaema* (*Eulaema*) Lepeletier, 1841 (Hymenoptera: Apidae: Euglossina) from eastern Brazil, with description of *Eulaema quadragintanovem* sp. n. from the state of Ceará. *Zootaxa*, 3478, 123-132.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled “Euglossina do Ceará, APA S. Baturité, 26338-77510”, “Guaramiranga, CE, Brasil, 21/01/2010, M. Guimarães”, UFMG-IHY-77510.

Condition of holotype: Missing right flagellomeres 6+, left midleg tarsomeres 2+. Apart from that, in good condition.

Type series distribution: Brazil: Ceará: Guaramiranga.

Exaerete frontalis (Guérin-Ménéville, 1845)

Nemésio, A. (2009) Orchid bees (Hymenoptera: Apidae) of the Brazilian Atlantic Forest. *Zootaxa*, 2041(1), 1-242.

The neotype (♂) is deposited in CCT-UFMG.

Neotype labeled “EIA Porto Trombetas, Cipó 1, Zona Leste, 12202-36027”, “Oriximiná, PA, Brasil, 25/02/2007, R. B. Martines”, UFMG-IHY-36027.

Condition of holotype: In good condition.

Type series distribution: Brazil Pará: Oriximiná.

Exaerete salsai Nemésio, 2011

Nemésio, A. (2011) *Exaerete salsai* sp. n. (Hymenoptera: Apidae): a new orchid bee from eastern Brazil. *Zootaxa*, 2967, 12-20.

The holotype (♂) and 1 paratype (♂) are deposited in CCT-UFMG.

Holotype labeled “Euglossina da Hileia Baiana, PN Monte Pascoal, 18954-54268”, “Porto Seguro, BA, Brasil, 15/12/2008, A. Nemésio”, UFMG-IHY-54268.

Condition of holotype: Missing right hindleg tarsus. Apart from that, in good condition.

Paratype voucher number: UFMG-IHY-53280.

Type series distribution: Brazil: Bahia: Porto Seguro.

Exomalopsis alexanderi Almeida & Silveira, 1999

Almeida, E.A.B. & Silveira, F.A. (1999) Revision of the species of the subgenera of *Exomalopsis* Spinola, 1853, occurring in South America. I: *Diomalopsis* Michener & Moure, 1957 (Hymenoptera: Apidae), and a revised key to the subgenera. *Entomological contributions in memory of Byron A. Alexander*, 167-170.

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-64712

Type series distribution: Paraguai: San Pedro: Cororo.

Exomalopsis dubia Silveira & Almeida, 2009

Silveira, F.A. & Almeida, E.A. (2008) Revision of the species of the subgenera of *Exomalopsis* Spinola, 1853 occurring in South America. II–*Phanomalopsis* Michener & Moure, 1957 (Hymenoptera, Apidae). *Lundiana*, 9(2 [2009]), 111-153.

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-1317004.

Type series distribution: Brazil: Paraná: Ponta Grossa.

Exomalopsis mourei Michener, 1954

Michener, C.D. (1954) Bees of Panamá. *Bulletin of the American Museum of Natural History*, 104(1), 1.

3 paratypes (3?) are deposited in CCT-UFMG.

Paratypes voucher numbers: UFMG-IHY-2300578, UFMG-IHY-2300579, UFMG-IHY-2300580.

Type series distribution: Panama: Fort Kobbe.

Exomalopsis griswoldi Silveira & Almeida, 2009

Silveira, F.A. & Almeida, E.A. (2008) Revision of the species of the subgenera of *Exomalopsis* Spinola, 1853 occurring in South America. II–*Phanomalopsis* Michener & Moure, 1957 (Hymenoptera, Apidae). *Lundiana*, 9(2 [2009]), 111-153.

2 paratypes (♀, ♂) are deposited in CCT-UFMG.

Paratypes voucher numbers: UFMG-IHY-1317005, UFMG-IHY-1317006.

Type series distribution: Venezuela: Aragua, Lara.

Exomalopsis perikalles Silveira & Almeida, 2009

Silveira, F. A. & Almeida, E. A. (2008) Revision of the species of the subgenera of *Exomalopsis* Spinola, 1853 occurring in South America. II–*Phanomalopsis* Michener & Moure, 1957 (Hymenoptera, Apidae). *Lundiana*, 9(2 [2009]), 111-153.

The holotype (♀) and 9 paratypes (8♀, 1♂) are

deposited in CCT-UFMG.

Holotype labeled “Abelhas da Zona Metalúrgica de MG, Serra do Caraça, 2851-8402. Catas Altas MG. BRASIL, 09/01/1999, F.A.Silveira. HOLOTYPUS, *Exomalopsis perikalles* Silveira & Almeida”, UFMG-IHY-8402.

Condition of holotype: In good condition.

Paratype voucher numbers: UFMG-IHY-30590, UFMG-IHY-30688, UFMG-IHY-30761, UFMG-IHY-30844, UFMG-IHY-30856, UFMG-IHY-30911, UFMG-IHY-30913, UFMG-IHY-31536, UFMG-IHY-31577.

Type series distribution: Brazil: Minas Gerais: Catas Altas, Itacambira.

Gaesischia caracicola Urban, 2007

Urban, D. (2007) Três espécies novas de *Gaesischia* Michener, LaBerge & Moure e notas sobre *Gaesischia melanaspis* Urban (Hymenoptera, Apidae). *Revista Brasileira de Zoologia*, 24, 470-473.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled “Abelhas da Zona/Metalúrgica/S. [Serra] do Caraça/7264-21517”, “Catatas Altas MG/Brasil 22/01/2001/ F. A. Silveira”, UFMG-IHY-21517.

Condition of holotype: In good condition.

Type series distribution: Brazil: Minas Gerais: Catas Altas

Gaesischia cipoana Urban, 2007

Urban, D. (2007) Três espécies novas de *Gaesischia* Michener, LaBerge & Moure e notas sobre *Gaesischia melanaspis* Urban (Hymenoptera, Apidae). *Revista Brasileira de Zoologia*, 24, 470-473.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled “S. [Serra] do Cipó/8645-26237”, “Santana do Riacho MG/Brasil 08/10/2003/ A. A. Azevedo”, UFMG-IHY-26237.

Condition of holotype: Left antenna glued on the geographic label. Apart from that, in good condition.

Type series distribution: Brazil: Minas Gerais: Santana do Riacho.

Gaesischia horizontalis Urban, 2007

Urban, D. (2007) Três espécies novas de *Gaesischia* Michener, LaBerge & Moure e notas sobre *Gaesischia melanaspis* Urban (Hymenoptera, Apidae). *Revista Brasileira de Zoologia*, 24, 470-473.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled “Abelhas da Zona/Metalúrgica MG/ Campus UFMG/1143-2948”, “Belo Horizonte MG/Brasil 23/04/1997/J. C. Moreira”, UFMG-IHY-2948.

Condition of holotype: Missing right flagellomeres 2+, 4+ tarsomeres from left hindleg. Apart from that, in good condition.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Osirinus ruficrus* Melo & Zanella, 2003**

Melo, G.A. & Zanella, F.C. (2003) The species of the parasitic bee genus *Osirinus* (Hymenoptera, Apidae). *Journal of Natural History*, 37(24), 2919-2929.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled “Brasilândia de Minas MG, Brasil 22/03/1999, D. A. Simão”, “Abelhas-Cerrado, Mannesmann, Fazenda Brejão, 3133-9144”, UFMG-IHY-9144.

Condition of holotype: In good condition.

Type series distribution: Brazil: Minas Gerais: Brasilândia de Minas.

***Scaura amazonica* Nogueira, Oliveira & Oliveira, 2019**

Nogueira, D.S., Santos Jr, J. E., Oliveira, F.F. & Oliveira, M.L. (2019) Review of *Scaura* Schwarz, 1938 (Hymenoptera: Apidae: Meliponini). *Zootaxa*, 4712(4).

14 paratypes (workers) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-1301799, UFMG-IHY-1302362, UFMG-IHY-1304106, UFMG-IHY-1304402, UFMG-IHY-1313454, UFMG-IHY-1529515, UFMG-IHY-1529516, UFMG-IHY-1529517, UFMG-IHY-1529518, UFMG-IHY-1529526, UFMG-IHY-1529533, UFMG-IHY-1529536, UFMG-IHY-1529550, UFMG-IHY-1529551.

Type series distribution: Brazil: Acre: Manoel Urbano. Pará: Canaã dos Carajás.

***Scaura aspera* Nogueira & Oliveira, 2019**

Nogueira, D.S., Santos Jr, J. E., Oliveira, F.F. & Oliveira, M.L. (2019) Review of *Scaura* Schwarz, 1938 (Hymenoptera: Apidae: Meliponini). *Zootaxa*, 4712(4).

5 paratypes (workers) are deposited in CCT-

UFMG.

Paratypes voucher numbers: UFMG-IHY-1410353, UFMG-IHY-1410354, UFMG-IHY-17192, UFMG-IHY-27249, UFMG-IHY-33434.

Type series distribution: Brazil: Goiás: Alto Paraíso, Catalão. Minas Gerais: Brasilândia de Minas. São Paulo: Icém.

***Scaura atlantica* Melo, 2004**

Melo, G.A. & Costa, M.A. (2004) A new stingless bee species of the genus *Scaura* (Hymenoptera, Apidae) from the Brazilian Atlantic forest, with notes on *S. latitarsis* (Fries). *Zootaxa*, 544(1), 1-10.

1 paratype (worker) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-6115.

Type series distribution: Brazil: Minas Gerais: Itamarandiba.

***Scaura cearensis* Nogueira, Santos Júnior & Oliveira, 2019**

Nogueira, D. S., Santos Jr, J. E., Oliveira, F.F. & Oliveira, M.L. (2019) Review of *Scaura* Schwarz, 1938 (Hymenoptera: Apidae: Meliponini). *Zootaxa*, 4712(4).

9 paratypes (workers) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-1207445, UFMG-IHY-1207446, UFMG-IHY-1207465, UFMG-IHY-1207467, UFMG-IHY-1207559, UFMG-IHY-1207563, UFMG-IHY-1207564, UFMG-IHY-1207605, UFMG-IHY-1207606.

Type series distribution: Brazil: Ceará: Ubajara.

***Thygater carijo* Freitas & Silveira, 2018**

Freitas, F.V., Santos Júnior, J.E., Santos, F.R. & Silveira, F.A. (2018) Species delimitation and sex associations in the bee genus *Thygater*, with the aid of molecular data, and the description of a new species. *Apidologie*, 49, 484-496.

The holotype (♀) and 7 paratypes (3♀, 4♂) are deposited in CCT-UFMG.

Holotype labeled “Brasil, SC, São Francisco do Sul, B. Vila da Glória; 26° 13' 17.4" S; 48° 41' 11.3" W; 20.xii.2011. Em flor; F. A. Silveira. Holotypus; *Thygater* (*Thygater*) *carijo* ♀; F.V. Freitas & F. A. Silveira 2018”, UFMG IHY 1200666.

Condition of holotype: In good condition.

Paratype voucher numbers: UFMG-IHY-1200664, UFMG-IHY-1200670, UFMG-IHY-1200675, UFMG-

IHY-1200686, UFMG-IHY-1200689, UFMG-IHY-1200690, UFMG-IHY-1200704.

Type series distribution: Brazil: Santa Catarina: São Francisco do Sul.

Thygater danunciae Freitas & Silveira, 2017

Freitas, F.V. & Silveira, F.A. (2017) Synopsis of the bee genus *Thygater* Holmberg 1884 (Hymenoptera, Apidae) in the Brazilian state of Minas Gerais, with the description of a new species and a key to all Brazilian species. *Zootaxa*, 4238(1), 1-29.

The holotype (♂) and 2 paratypes (♂) are deposited in CCT-UFMG.

Holotype labeled “Projeto Salinas - Sul American Metais Mineroduto 26064-76767” “Salinas MG Brasil20/01/2011, R.R.Ferrari”, UFMG-IHY-76767.

Condition of holotype: Missing right hind leg; Genitalia in a vial pinned with specimen. Apart of that, in good condition.

Paratypes voucher numbers: UFMG-IHY-76695, UFMG-IHY-76768.

Type series distribution: Brazil: Minas Gerais: Salinas.

Tropidopedia caracicola Aguiar & Melo, 2007

Aguiar, A.J. & Melo, G.A. (2007) Taxonomic revision, phylogenetic analysis, and biogeography of the bee genus *Tropidopedia* (Hymenoptera, Apidae, Tapinotaspidini). *Zoological Journal of the Linnean Society*, 151(3), 511-554.

5 paratypes (♀) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-13475, UFMG-IHY-14764, UFMG-IHY-14773, UFMG-IHY-14795, UFMG-IHY-8512.

Type series distribution: Brazil: Minas Gerais: Catas Altas.

Tropidopedia carinata Aguiar & Melo, 2007

Aguiar, A.J. & Melo, G.A. (2007) Taxonomic revision, phylogenetic analysis, and biogeography of the bee genus *Tropidopedia* (Hymenoptera, Apidae, Tapinotaspidini). *Zoological Journal of the Linnean Society*, 151(3), 511-554.

2 paratypes (♀) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-24287, UFMG-IHY-27008.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte, São Gonçalo do Rio Preto.

Tropidopedia flavolineata Aguiar & Melo, 2007

Aguiar, A.J. & Melo, G.A. (2007) Taxonomic revision, phylogenetic analysis, and biogeography of the bee genus *Tropidopedia* (Hymenoptera, Apidae, Tapinotaspidini). *Zoological Journal of the Linnean Society*, 151(3), 511-554.

7 paratypes (♀) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-15870, UFMG-IHY-218, UFMG-IHY-23931, UFMG-IHY-9923, UFMG-IHY-2300596, UFMG-IHY-2300597, UFMG-IHY-2300598.

Type series distribution: Brazil: Minas Gerais: Brasilândia de Minas, Felixlândia, Sabará, Três Marias. São Paulo: Bauru.

Tropidopedia nigrocarinata Aguiar & Melo, 2007

Aguiar, A.J. & Melo, G.A. (2007) Taxonomic revision, phylogenetic analysis, and biogeography of the bee genus *Tropidopedia* (Hymenoptera, Apidae, Tapinotaspidini). *Zoological Journal of the Linnean Society*, 151(3), 511-554.

6 paratypes (1♀, 5♂) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-15874, UFMG-IHY-1706170, UFMG-IHY-22224, UFMG-IHY-22639, UFMG-IHY-24715, UFMG-IHY-2300595.

Type series distribution: Brazil: Minas Gerais: Brasilândia de Minas, Felixlândia, Paineiras.

Xylocopa bella Melo, 2016

Melo, G.A. (2016) A new species of *Xylocopa* (*Nanoxylocopa*) from Brazil (Hymenoptera, Apidae). *Papéis Avulsos de Zoologia*, 56, 103-107.

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-7044.

Type series distribution: Brazil: Minas Gerais: Santana do Riacho.

Xylocopa nogueirai Hurd & Moure, 1960

Hurd Jr, P.D. & Moure, J. S. (1960) A new-world subgenus of bamboo-nesting carpenter bees belonging to the genus *Xylocopa* Latreille (Hymenoptera: Apoidea). *Annals of the Entomological Society of America*, 53(6), 809-821.

2 paratypes (2?) are deposited in CCT-UFMG.

Paratypes voucher numbers: UFMG-IHY-1801397, UFMG-IHY-1801398.

Type series distribution: Brazil: São Paulo:

Cosmópolis.

AULACIDAE

Aulacus gerais Smith, 2010

Smith, D.R. & de Carvalho, D.V. (2010) Three new species of Aulacidae (Hymenoptera) from Brazil. *Proceedings of the Entomological Society of Washington*, 112(1), 140-148.

The holotype (♀) is deposited in CCT-UFMG.

Holotype labeled “S[ão] Gonçalo Rio Abaixo-MG (Est. Amb./Peti-Cemig) 22.IX.2002, A. F. Kumagai col. (A1)”, UFMG-IHY-1703472.

Condition of holotype: Missing left midleg tarsomeres 2+. Apart from that, in good condition.

Type series distribution: Brazil: Minas Gerais: São Gonçalo do Rio Abaixo.

Aulacus unicus Smith, 2010

Smith, D. R. & de Carvalho, D.V. (2010) Three new species of Aulacidae (Hymenoptera) from Brazil. *Proceedings of the Entomological Society of Washington*, 112(1), 140-148.

The holotype (♀) and 2 paratypes (1♂, 1?) are deposited in CCT-UFMG.

Holotype labeled “S[ão] Gonçalo Rio Abaixo-MG (Est. Amb./Peti-Cemig) 22.IX.2002, A. F. Kumagai col. (A1)”, UFMG-IHY-1703467.

Condition of holotype: In good condition

Paratypes voucher numbers: UFMG-IHY-1703468, UFMG-IHY-1703469.

Type series distribution: Brazil: Minas Gerais: São Gonçalo do Rio Abaixo.

Pristaulacus petiense Smith, 2010

Smith, D.R. & Carvalho, D.V. (2010) Three new species of Aulacidae (Hymenoptera) from Brazil. *Proceedings of the Entomological Society of Washington*, 112(1), 140-148.

The holotype (♀) is deposited in CCT-UFMG.

Holotype labeled “S[ão] Gonçalo Rio Abaixo-MG (Est. Amb./Peti-Cemig) 03.1.2003, A. F. Kumagai col. (PO)”, UFMG-IHY-1703471.

Condition of holotype: Missing right flagellomeres 5+, 5th tarsomeres from left and right hind legs.

Type series distribution: Brazil: Minas Gerais: São Gonçalo do Rio Abaixo.

BETHYLIDAE

Anisepyrus barani Barbosa & Azevedo, 2018

Barbosa, D.N. & Azevedo, C.O. (2018) Revision of *Anisepyrus* Kieffer (Hymenoptera, Bethylidae), with description of 135 new species. *Zootaxa*, 4416(1), 1-258.

The holotype (♀) and 1 paratype (♀) are deposited in CCT-UFMG.

Holotype labeled “BRA, M[inas] G[erais], Belo Horizonte, UFMG, Est[ação] Ecológica, 19°52'26”S, 43°58'21”W, 28.v.1997, arm[adilha] Malaise, J.C.R. Fontenelle leg.”, UFMG-IHY-1902400.

Condition of holotype: Missing left hindleg tarsomeres 3+. Terminalia in a vial pinned with specimen. Apart of that, in good condition.

Paratype voucher number: UFMG-IHY-1902469.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

Anisepyrus beori Barbosa & Azevedo, 2018

Barbosa, D.N. & Azevedo, C.O. (2018) Revision of *Anisepyrus* Kieffer (Hymenoptera, Bethylidae), with description of 135 new species. *Zootaxa*, 4416(1), 1-258.

3 paratypes (♀) are deposited in CCT-UFMG.

Paratypes voucher numbers: UFMG-IHY-1902466, UFMG-IHY-1902467, UFMG-IHY-1902468.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

Anisepyrus beregi Barbosa & Azevedo, 2018

Barbosa, D.N. & Azevedo, C.O. (2018) Revision of *Anisepyrus* Kieffer (Hymenoptera, Bethylidae), with description of 135 new species. *Zootaxa*, 4416(1), 1-258.

The holotype (♀) and 3 paratypes (♀) are deposited in CCT-UFMG.

Holotype labeled “BRA, M[inas] G[erais], Belo Horizonte, UFMG, Est[ação] Ecológica, 19°52'26”S 43°58'21”W, 01.xii.1996,—arm[adilha] Malaise, J.C.R. Fontenelle leg.”, UFMG-IHY-1902403.

Condition of holotype: Missing right forewing, tip of right antenna, most of left flagellomeres, right midleg beyond coxa, right hindleg beyond femur, left midleg tarsomeres 2+, left hindleg 5+. Terminalia in a vial pinned with specimen. Apart of that, in good condition.

Paratype voucher numbers: UFMG-IHY-1902463,

UFMG-IHY-1902464, UFMG-IHY-1902465.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Anisepyris calmacili* Barbosa & Azevedo, 2018**

Barbosa, D.N. & Azevedo, C.O. (2018) Revision of *Anisepyris* Kieffer (Hymenoptera, Bethyridae), with description of 135 new species. *Zootaxa*, 4416(1), 1-258.

4 paratypes (♀) are deposited in CCT-UFMG.

Paratypes voucher numbers: UFMG-IHY-1902459, UFMG-IHY-1902460, UFMG-IHY-1902461, UFMG-IHY-1902462.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Anisepyris carcharothi* Barbosa & Azevedo, 2018**

Barbosa, D.N. & Azevedo, C.O. (2018) Revision of *Anisepyris* Kieffer (Hymenoptera, Bethyridae), with description of 135 new species. *Zootaxa*, 4416(1), 1-258.

3 paratypes (♀) are deposited in CCT-UFMG.

Paratypes voucher numbers: UFMG-IHY-1902456, UFMG-IHY-1902457, UFMG-IHY-1902458.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Anisepyris celebrimbori* Barbosa & Azevedo, 2018**

Barbosa, D.N. & Azevedo, C.O. (2018) Revision of *Anisepyris* Kieffer (Hymenoptera, Bethyridae), with description of 135 new species. *Zootaxa*, 4416(1), 1-258.

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-1902455.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Anisepyris cirdani* Barbosa & Azevedo, 2018**

Barbosa, D.N. & Azevedo, C.O. (2018) Revision of *Anisepyris* Kieffer (Hymenoptera, Bethyridae), with description of 135 new species. *Zootaxa*, 4416(1), 1-258.

2 paratypes (♀) are deposited in CCT-UFMG.

Paratypes voucher numbers: UFMG-IHY-1902453, UFMG-IHY-1902454.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Anisepyris ciryoni* Barbosa & Azevedo, 2018**

Barbosa, D.N. & Azevedo, C.O. (2018) Revision of *Anisepyris* Kieffer (Hymenoptera, Bethyridae), with description of 135 new species. *Zootaxa*, 4416(1), 1-258.

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-1902452.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Anisepyris eonwei* Barbosa & Azevedo, 2018**

Barbosa, D.N. & Azevedo, C.O. (2018) Revision of *Anisepyris* Kieffer (Hymenoptera, Bethyridae), with description of 135 new species. *Zootaxa*, 4416(1), 1-258.

2 paratypes (♂) are deposited in CCT-UFMG.

Paratypes voucher numbers: UFMG-IHY-1902444, UFMG-IHY-1902445.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Anisepyris glirhuini* Barbosa & Azevedo, 2018**

Barbosa, D.N. & Azevedo, C.O. (2018) Revision of *Anisepyris* Kieffer (Hymenoptera, Bethyridae), with description of 135 new species. *Zootaxa*, 4416(1), 1-258.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled "BRA, M[inas] G[erais], Belo Horizonte, UFMG, prefeitura, 19°52'26"S 43°58'21"W, 26.xi.1996-arm[adilha] Malaise, J.C.R. Fontenelle leg.", UFMG-IHY-1902398.

Condition of holotype: Missing tip of right hindwing. Terminalia in a vial pinned with specimen. Apart of that, in good condition.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Anisepyris hunthori* Barbosa & Azevedo, 2018**

Barbosa, D.N. & Azevedo, C.O. (2018) Revision of *Anisepyris* Kieffer (Hymenoptera, Bethyridae), with description of 135 new species. *Zootaxa*, 4416(1), 1-258.

1 paratype (♂) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-1902441.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Anisepyris inzilbethi* Barbosa & Azevedo, 2018**

Barbosa, D.N. & Azevedo, C.O. (2018) Revision of *Anisepyris* Kieffer (Hymenoptera, Bethyridae),

with description of 135 new species. *Zootaxa*, 4416(1), 1-258.

1 paratype (♂) is deposited in CCT-UFGM.

Paratype voucher number: UFGM-IHY-1902439.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Anisepyrus irmoi* Barbosa & Azevedo, 2018**

Barbosa, D.N. & Azevedo, C.O. (2018) Revision of *Anisepyrus* Kieffer (Hymenoptera, Bethyridae), with description of 135 new species. *Zootaxa*, 4416(1), 1-258.

1 paratype (♂) is deposited in CCT-UFGM.

Paratype voucher number: UFGM-IHY-1902438.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Anisepyrus isilduri* Barbosa & Azevedo, 2018**

Barbosa, D.N. & Azevedo, C.O. (2018) Revision of *Anisepyrus* Kieffer (Hymenoptera, Bethyridae), with description of 135 new species. *Zootaxa*, 4416(1), 1-258.

2 paratypes (♂) are deposited in CCT-UFGM.

Paratypes voucher numbers: UFGM-IHY-1902436, UFGM-IHY-1902437.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Anisepyrus khimi* Barbosa & Azevedo, 2018**

Barbosa, D.N. & Azevedo, C.O. (2018) Revision of *Anisepyrus* Kieffer (Hymenoptera, Bethyridae), with description of 135 new species. *Zootaxa*, 4416(1), 1-258.

2 paratypes (♂) are deposited in CCT-UFGM.

Paratypes voucher numbers: UFGM-IHY-1902434, UFGM-IHY-1902435.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Anisepyrus lalaithi* Barbosa & Azevedo, 2018**

Barbosa, D.N. & Azevedo, C.O. (2018) Revision of *Anisepyrus* Kieffer (Hymenoptera, Bethyridae), with description of 135 new species. *Zootaxa*, 4416(1), 1-258.

1 paratype (♀) is deposited in CCT-UFGM.

Paratype voucher number: UFGM-IHY-1902433.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Dissomphalus largimanus* Azevedo, 2001**

Azevedo, C.O. (2001) Systematics of the Neotropical *Dissomphalus* Ashmead (Hymenoptera, Bethyridae) of the bicavatus group. *Revista Brasileira de Entomologia*, 45(3), 173-205.

1 paratype (♂) is deposited in CCT-UFGM.

Paratype voucher numbers: UFGM-IHY-1902413.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Rhabdepyris areolatus* Rosmann & Azevedo, 2005**

Rosmann, W.L. & Azevedo, C.O. (2005) Dez espécies novas e notas sobre *Rhabdepyris* Kieffer (Hymenoptera, Bethyridae) da Mata Atlântica. *Revista Brasileira de Entomologia*, 49, 397-408.

The holotype (♀) is deposited in CCT-UFGM.

Holotype labeled "BRA, M[inas] G[erais], Belo Horizonte, 22.II.1998, D. Yanega", UFGM-IHY-1902402.

Condition of holotype: Missing wings, tips of antennae, left mid and hind legs, right fore and mid legs; metasoma, two legs and parts of wings glued on the same triangle of the specimen is fixed.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Rhabdepyris clavatus* Rosmann & Azevedo, 2005**

Rosmann, W.L. & Azevedo, C.O. (2005) Dez espécies novas e notas sobre *Rhabdepyris* Kieffer (Hymenoptera, Bethyridae) da Mata Atlântica. *Revista Brasileira de Entomologia*, 49, 397-408.

The holotype (♂) is deposited in CCT-UFGM.

Holotype labeled "BRA, M[inas] G[erais], Belo Horizonte, Estação Ecológica, 5.XII.1996, armadilha Malaise, J.C.R. Fontenelle leg.", UFGM-IHY-1902399.

Condition of holotype: In good condition.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Rhabdepyris curvicastratus* Rosmann & Azevedo, 2005**

Rosmann, W.L. & Azevedo, C.O. (2005) Dez espécies novas e notas sobre *Rhabdepyris* Kieffer (Hymenoptera, Bethyridae) da Mata Atlântica. *Revista Brasileira de Entomologia*, 49, 397-408.

The holotype (♀) is deposited in CCT-UFGM.

Holotype labeled "BRA, M[inas] G[erais], Belo Horizonte, Estação Ecológica 1.XII.1996, armadilha

Malaise, J.C.R. Fontenelle *leg.*”, UFMG-IHY-1902401.

Condition of holotype: In good condition

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

***Solepyris unicus* Azevedo, 2006**

Azevedo, C.O. (2006) Two new genera of Sclerodermini (Hymenoptera: Bethyridae; Epyrinae) with large, scolebythid-like prosternums. *Zootaxa*, 1191(1), 39-47.

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-1902415.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

CHRYSIDIDAE

***Amisega sertaneja* Lucena, 2021**

Lucena, D.A., Almeida, E.A. & Zanella, F.C. (2021) Amiseginae and Cleptinae from northeastern Brazil, with the description of four new species (Hymenoptera, Chrysididae). *Journal of Hymenoptera Research*, 81, 57-85.

2 paratypes (♂) are deposited in CCT-UFMG.

Paratypes voucher numbers: UFMG-IHY-2203225, UFMG-IHY-2203226.

Type series distribution: Brazil: Paraíba, Santa Teresinha.

***Hedychrum oxente* Lucena & Zanella, 2022**

Lucena, D.A., Santos-Neto, P.E., Zanella, F.C. & Almeida, E.A. (2022) Taxonomic review of the elampine cuckoo wasps from northeastern Brazil (Hymenoptera: Chrysididae), with the description of three new species. *Zootaxa*, 5213(3), 201-235.

The holotype (♀) is deposited in CCT-UFMG.

Holotype labeled “BRA, PB, Prata, PA Zé Marcolino/Anselmo, 07°38'3.74"S 37°1'24.98"W, 17.ix.2010, A. Silva *leg.*”, UFMG 1201713.

Condition of holotype: In good condition.

Type series distribution: Brazil: Paraíba: Prata.

COLLETIDAE

***Actenosigynes mantiqueirensis* Silveira, 2009**

Silveira, F.A. (2009) A synopsis of *Actenosigynes* Moure, Graf & Urban, 1999 (Hymenoptera: Colletidae) new species, possible oligolecty and

biogeographic comments. *Zootaxa*, 2292(1), 15-24.

The holotype (♀) and 1 paratype (♀) are deposited in CCT-UFMG.

Holotype labeled “Faz[enda]. Tião Loreano; APA Fernão Dias; S[erra]. Mantiqueira; 13441-39731” “Gonçalves MG; BRASIL 25/10/2006; F. A. Silveira” “*Actenosigynes mantiqueirensis*; Silveira sp. nov.; HOLOTYPE”, UFMG-IHY-39731.

Condition of holotype: In good condition.

Paratype voucher numbers: UFMG-IHY-39732.

Type series distribution: Brazil: Minas Gerais: Gonçalves.

***Actenosigynes silveirai* Siriani-Oliveira, 2024**

Siriani-Oliveira, S., Silva Jr, J.E., Schlindwein, C. & Almeida, E.A. (2024) A new neopasiphacine bee associated with flowers of Loasaceae (Hymenoptera: Colletidae: *Actenosigynes*). *Zootaxa*, 5404(1), 236-257.

The holotype (♀) and 5 paratypes (♂) are deposited in CCTUFMG.

Holotype labeled “BRA, RJ, Itatiaia, Parque Nacional do Itatiaia, 22°25'37.4"S 44°37'07.7"W, 1500m, 23.ii.2018, Rede, Flor, S. Siriani-Oliveira *leg.*” UFMG-IHY-2202610, “Loasaceae Aosa uleana (Urb. & Gilg) Weigend”, “98789”.

Condition of holotype: In good condition.

Paratype voucher numbers: UFMG-IHY-2202612, UFMG-IHY-2202613, UFMG-IHY-2202614, UFMG-IHY-2202615, UFMG-IHY-2202616.

Type series distribution: Brazil: Rio de Janeiro: Itatiaia.

***Caupolicana rupestris* Zama, Ferrari, Coelho & Silveira, 2019**

Zama, P.C., Ferrari, R.R., Coelho, I.R. & Silveira, F.A. (2019). A new species of *Caupolicana* Spinola, 1851 (Hymenoptera: Colletidae) from Brazil, with taxonomic notes on related taxa. In *Annales Zoologici*, 69(3), 589-602.

The holotype (♂) and 3 paratypes (1♀, 2♂) are deposited in CCT-UFMG.

Holotype labeled “Brasil, MG, Conceição do Mato Dentro Pq. Est. Intendente 2005 A.B.N.Oliveira; R.R.Ferrari” “HOLOTYPE/ *Caupolicana rupestris* ♂ Zama, Ferrari, Coelho & Silveira sp.nov.”, UFMG-IHY-1316935.

Condition of holotype: In good condition.

Paratypes voucher numbers: UFMG-IHY-1316936,

UFMG-IHY-1316937, UFMG-IHY-1316938.

Type series distribution: Brazil: Minas Gerais: Conceição do Mato Dentro.

***Colletes altimontanus* Ferrari & Silveira, 2015**

Ferrari, R.R. & Silveira, F.A. (2015) The species of Colletinae (Hymenoptera: Colletidae) in the Brazilian state of Minas Gerais. *Zootaxa*, 3914(3), 245-274.

The holotype (♀) and 43 paratypes (24♀, 19♂) are deposited in CCT-UFMG.

Holotype labeled “Abelhas Espinhaço; Pq. E. do Rio Preto; 10146- 29742” “São Gonçalo do Rio Preto MG; BRASIL 19/10/2004; A.A.Azevedo” “HOLOTYPUS; *Colletes altimontanus* Ferrari & Silveira, sp. nov.”, UFMG-IHY-29742.

Condition of holotype: In good condition.

Paratypes voucher numbers: UFMG-IHY-2327, UFMG-IHY-2800, UFMG-IHY-5211, UFMG-IHY-5445, UFMG-IHY-5451, UFMG-IHY-5491, UFMG-IHY-6338, UFMG-IHY-6999, UFMG-IHY-7056, UFMG-IHY-7057, UFMG-IHY-7136, UFMG-IHY-7345, UFMG-IHY-8406, UFMG-IHY-12984, UFMG-IHY-21412, UFMG-IHY-21498, UFMG-IHY-21615, UFMG-IHY-21617, UFMG-IHY-27089, UFMG-IHY-29741, UFMG-IHY-29743, UFMG-IHY-29744, UFMG-IHY-29746, UFMG-IHY-29768, UFMG-IHY-30559, UFMG-IHY-31468, UFMG-IHY-31489, UFMG-IHY-31490, UFMG-IHY-33162, UFMG-IHY-33163, UFMG-IHY-33164, UFMG-IHY-33733, UFMG-IHY-33734, UFMG-IHY-33860, UFMG-IHY-34073, UFMG-IHY-34074, UFMG-IHY-37974, UFMG-IHY-38015, UFMG-IHY-38016, UFMG-IHY-38017, UFMG-IHY-38018, UFMG-IHY-1405443, UFMG-IHY-1405444.

Type series distribution: Brazil: Bahia: Abaeté. Minas Gerais: Belo Horizonte, Brumadinho, Itacambira, Lima Duarte, Nova Lima, São Gonçalo do Rio Preto. Pernambuco: (Parque Nacional Catimbau).

Notes: According to the original description, there were 47 paratypes in the collection, but only 43 were located.

***Colletes ferenudus* Ferrari, 2019**

Ferrari, R.R. (2019) A revision of *Colletes* Latreille (Hymenoptera: Colletidae: Colletinae) from Brazil, Paraguay and Uruguay. *Zootaxa*, 4606(1).

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-2001511.

Type series distribution: Brazil: Rio Grande do

Sul: Caçapava do Sul.

***Colletes flagellaris* Ferrari, 2019**

Ferrari, R.R. (2019) A revision of *Colletes* Latreille (Hymenoptera: Colletidae: Colletinae) from Brazil, Paraguay and Uruguay. *Zootaxa*, 4606(1).

The holotype (♀) and 3 paratypes (♂) are deposited in CCT-UFMG.

Holotype labeled “Abelhas Altimontanas ParNa do Itatiaia 12841-37950”. “Itatiaia RJ; BRASIL 16/03/2007 A. A. Azevedo”. “*Colletes rufipes* ♀ Smith, 1879 R.R.Ferrari, det. 2011”. “CCDB-22009 E05”. “HOLOTYPE *Colletes flagellaris* ♀ Ferrari, new species”, UFMG-IHY-37950.

Condition of holotype: Missing right midleg, left foreleg, left midleg. Apart from that, in good condition.

Paratypes voucher numbers: UFMG-IHY-37952, UFMG-IHY-37953, UFMG-IHY-37954.

Type series distribution: Brazil: Rio de Janeiro: Itatiaia.

***Colletes hawkingi* Ferrari, 2019**

Ferrari, R.R. (2019) A revision of *Colletes* Latreille (Hymenoptera: Colletidae: Colletinae) from Brazil, Paraguay and Uruguay. *Zootaxa*, 4606(1).

The holotype (♀) and 2 paratypes (♀, ♂) are deposited in CCT-UFMG.

Holotype labeled “CHÃ GRANDE, PE Brasil, 4.11.2001 Milet & Pinto da Silva”, “L127 coletado no vidro 13:00”, “7315 UFPE”, “*Colletes* sp. (PE atual) A 1137 Schlindwein det. 2003”, “CCDB-30344 G5”, “HOLOTYPE *Colletes hawkingi* ♀ Ferrari, new species”, UFMG-IHY-2001508.

Condition of holotype: Missing right midleg. Apart from that, in good condition.

Paratypes voucher numbers: UFMG-IHY-2001509, UFMG-IHY-2001510.

Type series distribution: Brazil: Ceará: Santana do Cariri. Pernambuco: Chã Grande.

***Colletes imbricatus* Ferrari, 2019**

Ferrari, R.R. (2019) A revision of *Colletes* Latreille (Hymenoptera: Colletidae: Colletinae) from Brazil, Paraguay and Uruguay. *Zootaxa*, 4606(1).

The holotype (♀) and 2 paratypes (♀) are deposited in CCT-UFMG.

Holotype labeled “CAÇAPAVA RS Min. do Camaquã, Brasil 10.11 1990 C. Schlindwein leg.”,

“PUC/RS-Univ. Tübingen Lab. Pesq. Biológicas 1957-313 F.40 17h”, “*Colletes* sp 2 ♀”. “CCDC-30383 C12”, “HOLOTYPE *Colletes imbricatus* ♀ Ferrari, new species”, UFMG-IHY-2001502.

Condition of holotype: Missing right midleg, 5th left hindleg tarsomere, 4+ tarsomere of right hindleg. Apart from that, in good condition.

Paratype voucher numbers: UFMG-IHY-2001503, UFMG-IHY-2001504.

Type series distribution: Brazil: Rio Grande do Sul: Caçapava do Sul.

***Colletes pampeanus* Ferrari, 2019**

Ferrari, R.R. (2019) A revision of *Colletes* Latreille (Hymenoptera: Colletidae: Colletinae) from Brazil, Paraguay and Uruguay. *Zootaxa*, 4606(1).

The holotype (♀) and 2 paratypes (♂) are deposited in CCT-UFMG.

Holotype labeled “PINHEIRO RS MACHADO Brasil 30.12.1990; C. Schlidwein leg.”, “S146 H:469 F:52 1500”, “Moure det. 4.1994”, “CCDC-30383 C10”, “HOLOTYPE *Colletes pampeanus* ♀ Ferrari, new species”, UFMG-IHY-2001505.

Condition of holotype: Missing right midleg, 5th left hindleg tarsomere. Apart from that, in good condition.

Paratypes voucher numbers: UFMG-IHY-2001506, UFMG-IHY-2001507.

Type series distribution: Brazil: Rio Grande Sul: Pinheiro Machado.

***Colletes sexangulus* Ferrari, 2019**

Ferrari, R.R. (2019) A revision of *Colletes* Latreille (Hymenoptera: Colletidae: Colletinae) from Brazil, Paraguay and Uruguay. *Zootaxa*, 4606(1).

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-2001512.

Type series distribution: Brazil: Rio Grande do Sul: Santana da Boa Vista.

***Geodiscelis longiceps* Packer, 2005**

Packer, L. (2005) A new species of *Geodiscelis* (Hymenoptera: Colletidae: Xeromelissinae) from the Atacama desert of Chile. *Journal of Hymenoptera Research*, 14(1), 84-91.

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-1301019.

Type series distribution: Chile: Region I, Tarapaca.

***Mydrosoma sabarensis* Silveira & Martines, 2009**

Silveira, F.A. & Martines, R.B. (2009) A new species of *Mydrosoma* Smith with a key to Brazilian species of the genus and a discussion on the classification of the Dissoglottini (Hymenoptera: Colletidae). *Zootaxa*, 2105(1), 32-42.

The holotype (♀) and 2 paratypes (♀, ♂) are deposited in CCT-UFMG.

Holotype labeled “Sabará MG Brasil 29/04/2001 F. A. Silveira”, “Abelhas da Zona Metalúrgica de Minas Gerais; Ch[ácara]. do Lessa; 7280-21575”, “*Mydrosoma sabarensis* & Silveira & Martines, sp. n. HOLOTYPE”, UFMG-IHY-21575.

Condition of holotype: In good condition.

Paratype voucher numbers: UFMG-IHY-24803, UFMG-IHY-26946.

Type series distribution: Brazil: Minas Gerais: Sabará.

Notes: Corrected spelling (Urban, Moure & Melo 2022): *Mydrosoma sabarense* Silveira & Martines, 2009

***Mydrosomella caatinguensis* Ferrari, Arantes & Silveira, 2016**

Ferrari, R.R., Arantes, R.C. & Silveira, F.A. (2016) A new species of *Mydrosomella* Michener (Hymenoptera: Colletidae) from the semiarid caatinga domain, northeastern Brazil, with an identification key for the Species in the Genus. *Annales Zoologici*, 66(3), 403-410.

The holotype (♀) and 5 paratypes (4♀, 1♂) are deposited in CCT-UFMG.

Holotype labeled “Brasil, PB, Remígio, Queimadas/Pequeno 06°53'08.4"S, 35°50'56.3"W 550m 26.vii.2011 Malaise, S.C. Aguiar” “HOLOTYPE *Mydrosomella caatinguensis* Ferrari, Arantes & Silveira sp. nov. X”, UFMG-IHY-1217122.

Condition of holotype: In good condition.

Paratype voucher numbers: UFMG-IHY-1216985, UFMG-IHY-1217098, UFMG-IHY-1217099, UFMG-IHY-1217101, UFMG-IHY-1416028.

Type series distribution: Brazil: Paraíba: Remígio, Sumé. Sergipe, Canindé de São Francisco.

Notes: Currently classified as *Ptiloglossium caatinguensis* (Ferrari, Arantes & Silveira, 2016).

DRYINIDAE

***Pareucamptonyx albopictus* Martins, 2022**

Martins, A.L., & Domahovski, A.C. (2022) Revision of the Neotropical species of *Pareucamptonyx* Olmi (Hymenoptera, Dryinidae) with descriptions of new species. *European Journal of Taxonomy*, 846, 152-176.

The holotype (♀) is deposited in CCT-UFMG.

Holotype labeled “Brasil, MG, Ouro Preto, RPPN Vale das Borboletas 20°17'35.8"S; 43°34'04.6"W 1015m, 8-17.iii.2013, Malaise A. Kumagai leg.” UFMG-IHY-1701174.

Condition of holotype: In good condition

Type series distribution: Brazil: Minas Gerais: Ouro Preto.

***Pareucamptonyx kumagaii* Martins, 2022**

Martins, A.L. & Domahovski, A.C. (2022) Revision of the Neotropical species of *Pareucamptonyx* Olmi (Hymenoptera, Dryinidae) with descriptions of new species. *European Journal of Taxonomy*, 846, 152-176.

The holotype (♀) and 1 paratype (♀) are deposited in CCT-UFMG.

Holotype labeled “BRA, MG, Belo Horizonte, UFMG Estação Ecológica 19°52'30"S; 43°58'20"W 842m, 1-8.xi.2013, Malaise, A. Kumagai leg.”, UFMG-IHY-1502988.

Condition of holotype: In good condition.

Paratype voucher number: UFMG-IHY-1701175.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

HALICTIDAE

***Augochlorella acarinata* Coelho, 2004**

Coelho, B.W.T. (2004) A review of the bee genus *Augochlorella* (Hymenoptera: Halictidae: Augochlorini). *Systematic Entomology*, 29(3), 282-323.

3 paratypes (♂) are deposited in CCT-UFMG.

Paratypes voucher numbers: UFMG-IHY-192, UFMG-IHY-1904, UFMG-IHY-2300599.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte, Ponte Nova.

***Augochlorella kelli* Gonçalves, 2019**

Gonçalves, R.B. (2019) Phylogeny of the *Augochlora* clade with the description of four new species (Hymenoptera, Apoidea). *Revista Brasileira de entomologia*, 63, 91-100.

1 paratype (♂) is deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-75506.

Type series distribution: Brazil: Minas Gerais: Nova Lima.

***Augochlorella una* Coelho, 2004**

Coelho, B.W.T. (2004) A review of the bee genus *Augochlorella* (Hymenoptera: Halictidae: Augochlorini). *Systematic Entomology*, 29(3), 282-323.

1 paratype (1♂) is deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-4636.

Type series distribution: Brazil: Minas Gerais: (Serra da Moeda).

***Augochlorodes clementis* Gonçalves & Melo, 2008**

Gonçalves, R.B. & Melo, G.A. (2008) New species of the bee genus *Augochlorodes* Moure (Hymenoptera, Apidae sl, Halictinae). *Journal of Natural History*, 42(19-20), 1385-1403.

3 paratypes (♀) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-2204202, UFMG-IHY-2204203, UFMG-IHY-2204204.

Type series distribution: Brazil: Rio Grande do Sul: Caçapava do Sul.

***Corynurella nigra* Gonçalves, 2010**

Gonçalves, R.B. (2010) Phylogeny and revision of the Neotropical bee genus *Rhectomia* sl Moure (Hymenoptera, Apidae, Augochlorini). *Systematic Entomology*, 35(1), 90-117.

3 paratypes (2♀, 1♂) are deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-14487, UFMG-IHY-16982, UFMG-IHY-16996.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte, Catas Altas.

***Megalopta guimaraesi* Santos & Silveira, 2009**

Santos, L.M. & Silveira, F.A. (2009) Taxonomic notes on *Megalopta* Smith, 1853 (Hymenoptera: Halictidae: Augochlorini) with a synopsis of the species in the state of Minas Gerais, Brazil. *Zootaxa*, 2194(1), 1-20.

The holotype (♀) and 17 paratypes (15♀, 2♂) are deposited in CCT-UFMG.

Holotype labeled “Serra do Cipó 3009-8889”, “Jaboticatubas MG BRASIL 25/03/1998 D.A.

Yanega” and “HOLOTYPUS Megalopta (Megalopta) guimaraesi ♀ Santos & Silveira sp. nov”, UFMG-IHY-8889.

Condition of holotype: In good condition.

Paratype voucher numbers: UFMG-IHY-7993, UFMG-IHY-7994, UFMG-IHY-14248, UFMG-IHY-37164, UFMG-IHY-37167, UFMG-IHY-37171, UFMG-IHY-37172, UFMG-IHY-37176, UFMG-IHY-37177, UFMG-IHY-37178, UFMG-IHY-37179, UFMG-IHY-37180, UFMG-IHY-37183, UFMG-IHY-37185, UFMG-IHY-37804, UFMG-IHY-38792, UFMG-IHY-38795.

Type series distribution: Brazil: Goiás: Caldas Novas. Minas Gerais: Bocaiúva, Conquista, Jaboticatubas, Marliéria, São Gonçalo do Rio Abaixo.

Notes: According to the original description, there were 25 paratypes in the collection, but only 17 were located.

Neocorynura aethra Gonçalves, 2019

Gonçalves, R.B. (2019) New species of *Neocorynura* Schrottky from Brazil (Hymenoptera: Apoidea). *Zootaxa*, 4542(1), 1-132.

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-1406115.

Type series distribution: Brazil: Alagoas: Murici.

Neocorynura amabilis Gonçalves, 2019

Gonçalves, R.B. (2019) New species of *Neocorynura* Schrottky from Brazil (Hymenoptera: Apoidea). *Zootaxa*, 4542(1), 1-132.

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-1206127.

Type series distribution: Brazil: Acre: Rio Branco.

Neocorynura hebe Gonçalves, 2019

Gonçalves, R.B. (2019) New species of *Neocorynura* Schrottky from Brazil (Hymenoptera: Apoidea). *Zootaxa*, 4542(1), 1-132.

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-1200418.

Type series distribution: Brazil: Santa Catarina: São Bento do Sul.

Neocorynura insolita Gonçalves, 2019

Gonçalves, R.B. (2019) New species of *Neocorynura* Schrottky from Brazil (Hymenoptera: Apoidea). *Zootaxa*, 4542(1), 1-132.

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-53156.

Type series distribution: Brazil: Mato Grosso: Comodoro.

Neocorynura laevistriata Gonçalves, 2019

Gonçalves, R.B. (2019) New species of *Neocorynura* Schrottky from Brazil (Hymenoptera: Apoidea). *Zootaxa*, 4542(1), 1-132.

2 paratypes (♀, ♂) are deposited in CCT-UFMG.

Paratypes voucher numbers: UFMG-IHY-1901930, UFMG-IHY-1901931.

Type series distribution: Brazil: Paraná: São Luiz do Purunã.

Neocorynura olivacea Gonçalves, 2019

Gonçalves, R.B. (2019) New species of *Neocorynura* Schrottky from Brazil (Hymenoptera: Apoidea). *Zootaxa*, 4542(1), 1-132.

3 paratypes (1♀, 2♂) are deposited in CCT-UFMG.

Paratypes voucher numbers: UFMG-IHY-73919, UFMG-IHY-74655, UFMG-IHY-75091.

Type series distribution: Brazil: Minas Gerais: Nova Lima.

Neocorynura rubicunda Gonçalves, 2019

Gonçalves, R.B. (2019) New species of *Neocorynura* Schrottky from Brazil (Hymenoptera: Apoidea). *Zootaxa*, 4542(1), 1-132.

The holotype (♀) is deposited in CCT-UFMG.

Holotype labeled "BRASIL, PA, Canaã dos Carajás, 06 22 53.7S 49 59 07.0W 11.ii.2015 Em flor, R. B. Martines; A. Cordeiro leg.", UFMG-IHY-1500671.

Condition of holotype: Missing tarsomeres 2+ of left hindleg.

Type series distribution: Brazil: Pará: Canaã dos Carajás.

Paracorynurella reticulata Gonçalves, 2010

Gonçalves, R.B. (2010) Phylogeny and revision of the Neotropical bee genus *Rhectomia* sl Moure (Hymenoptera, Apidae, Augochlorini). *Systematic Entomology*, 35(1), 90-117.

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-33971.

Type series distribution: Brazil: Minas Gerais: Nova Lima.

***Pseudaugochlora callaina* Almeida, 2008**

Almeida, E.A.B. (2008) Revision of the Brazilian species of *Pseudaugochlora* Michener 1954 (Hymenoptera: Halictidae: Augochlorini). *Zootaxa*, 1679, 1-38.

The holotype (♀) and 10 paratypes (♀) are deposited in CCT-UFMG.

Holotype labeled “Belo Horizonte MG BRASIL 30/07/1996 R.M.Carmo”, “Abelhas da Zona Metalúrgica MG, Mus. Hist. Nat., 0406-1038”, UFMG-IHY-1038.

Condition of holotype: In good condition.

Type series distribution:

Paratypes voucher numbers: UFMG-IHY-49, UFMG-IHY-940, UFMG-IHY-968, UFMG-IHY-971, UFMG-IHY-974, UFMG-IHY-990, UFMG-IHY-1002, UFMG-IHY-3400, UFMG-IHY-8675, UFMG-IHY-15499, UFMG-IHY-15559.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

Notes: According to the original description, there were 11 paratypes in the collection, but only 10 were located.

***Pseudaugochlora erythrogaster* Almeida, 2008**

Almeida, E.A. (2008) Revision of the Brazilian species of *Pseudaugochlora* Michener 1954 (Hymenoptera: Halictidae: Augochlorini). *Zootaxa*, 1679(1), 1-38.

2 paratypes (♀, ♂) are deposited in CCT-UFMG.

Paratypes voucher numbers: UFMG-IHY-15845, UFMG-IHY-15905.

Type series distribution: Brazil: Minas Gerais: Felixlândia, Paraopeba.

***Pseudaugochlora flammula* Almeida, 2008**

Almeida, E.A. (2008) Revision of the Brazilian species of *Pseudaugochlora* Michener 1954 (Hymenoptera: Halictidae: Augochlorini). *Zootaxa*, 1679(1), 1-38.

The holotype (♀) and 34 paratypes (21♀, 13♂) are deposited in CCT-UFMG.

Holotype labeled “Brasilândia de Minas MG, BRASIL, 29/12/1998, V. Silva”, “Abelhas– Cerrado, Mannesmann, Fazenda Brejão, 2797-8209”, UFMG-IHY-8209.

Condition of holotype: In good condition.

Paratype voucher numbers: UFMG-IHY-8071, UFMG-IHY-9135, UFMG-IHY-11669, UFMG-IHY-

13120, UFMG-IHY-16007, UFMG-IHY-16009, UFMG-IHY-16041, UFMG-IHY-16118, UFMG-IHY-16151, UFMG-IHY-17136, UFMG-IHY-17146, UFMG-IHY-21916, UFMG-IHY-22610, UFMG-IHY-22637, UFMG-IHY-23876, UFMG-IHY-23887, UFMG-IHY-23888, UFMG-IHY-23913, UFMG-IHY-23935, UFMG-IHY-23979, UFMG-IHY-24081, UFMG-IHY-24145, UFMG-IHY-24146, UFMG-IHY-2300584, UFMG-IHY-2300585, UFMG-IHY-2300586, UFMG-IHY-2300587, UFMG-IHY-2300588, UFMG-IHY-2300589, UFMG-IHY-2300590, UFMG-IHY-2300591, UFMG-IHY-2300592, UFMG-IHY-2300593, UFMG-IHY-2300594.

Type series distribution: Brazil: Acre: Acrelândia, Rio Branco. Minas Gerais: Brasilândia de Minas, Uberlândia. Rondônia: Guajará Mirim, Porto Velho.

***Pseudaugochlora simulata* Almeida, 2008**

Almeida, E.A. (2008) Revision of the Brazilian species of *Pseudaugochlora* Michener 1954 (Hymenoptera: Halictidae: Augochlorini). *Zootaxa*, 1679(1), 1-38.

The holotype (♀) and 1 paratype (♂) are deposited in CCT-UFMG.

Holotype labeled “Brasil, Distr. Federal, Brasília, Faz. Água Limpa (UnB). 26.v.1993, G. A. R. Melo”, UFMG-IHY-40270.

Condition of holotype: In good condition.

Paratype voucher number: UFMG-IHY-8066.

Type series distribution: Brazil: Distrito Federal: Brasília. Minas Gerais: Felixlândia.

ICHNEUMONIDAE

***Acrotaphus amajari* Pádua, 2020**

Padua, D.G., Sääksjärvi, I.E., Monteiro, R.F. & Oliveira, M.L. (2020) Review of the New World genus *Acrotaphus* Townes, 1960 (Hymenoptera: Ichneumonidae: Pimplinae), with descriptions of fifteen new species. *Zootaxa*, 4719(1).

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher number: UFMG-IHY-1500541.

Type series distribution: Brazil: Pará: Parauapebas.

***Acrotaphus micrus* Pádua, 2020**

Padua, D.G., Sääksjärvi, I.E., Monteiro, R.F. & Oliveira, M.L. (2020) Review of the New World genus *Acrotaphus* Townes, 1960 (Hymenoptera:

Ichneumonidae: Pimplinae), with descriptions of fifteen new species. *Zootaxa*, 4719(1).

The holotype (♀) is deposited in CCT-UFGM.

Holotype labeled “Brasil, MG [=Minas Gerais], São Gonçalo do Rio Abaixo, Estação Ambiental Peti/CEMIG, 19°53'14”S/43°22'06”W, 12.vii.2002 (A.F. Kumagai col.)”, UFGM-IHY-1500545.

Condition of holotype: In good condition

Type series distribution: Brazil: Minas Gerais: São Gonçalo do Rio Abaixo.

Acrotaphus pseudoamazonicus Pádua & Sääksjärvi, 2020

Padua, D.G., Sääksjärvi, I.E., Monteiro, R.F. & Oliveira, M.L. (2020) Review of the New World genus *Acrotaphus* Townes, 1960 (Hymenoptera: Ichneumonidae: Pimplinae), with descriptions of fifteen new species. *Zootaxa*, 4719(1).

1 paratype (♀) is deposited in CCT-UFGM.

Paratype voucher number: UFGM-IHY-1500546.

Type series distribution: Brazil: Minas Gerais: São Gonçalo do Rio Abaixo.

Acrotaphus zampieronae Pádua, 2020

Padua, D.G., Sääksjärvi, I.E., Monteiro, R.F. & Oliveira, M.L. (2020) Review of the New World genus *Acrotaphus* Townes, 1960 (Hymenoptera: Ichneumonidae: Pimplinae), with descriptions of fifteen new species. *Zootaxa*, 4719(1).

The holotype (♀) and 2 paratypes (♀) are deposited in CCT-UFGM.

Holotype labeled “Brasil, MG [=Minas Gerais], Belo Horizonte, Estação Ecológica, 19°52'30”S/43°58'20”W, 842 m., 07-13.iv.1992 (A.F. Kumagai)”, UFGM-IHY-1500543.

Condition of holotype: Missing tip of right antenna. Apart from that, in good condition.

Paratype voucher numbers: UFGM-IHY-1500540, UFGM-IHY-1500547.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte, São Gonçalo do Rio Abaixo. Pará: Parauapebas.

Boethus catarinae Graf & Kumagai, 2002

Graf V. & Kumagai, A.F. (2002) *Boethus catarinae* sp. nov. do Brasil (Hymenoptera, Ichneumonidae, Tryphoninae). *Acta Biológica Paranaense*, 31, 51-58

2 paratypes (♀, ♂) are deposited in CCT-UFGM.

Paratypes voucher numbers: UFGM-IHY-1706729,

UFGM-IHY-1706730.

Type series distribution: Brazil: Paraná: Umuarama. Rio Grande do Sul: Quaraí.

Enicospilus diae Lima & Kumagai, 2012

Lima, A.R., Jacobi, C.M. & Kumagai, A.F. (2012) A key to the Neotropical species of the *Enicospilus ramidulus* species-group (Hymenoptera: Ichneumonidae: Ophioninae), with the description of a new Brazilian species. *Zootaxa*, 3409, 63-68.

The holotype (♀) and 63 paratypes (36♀, 27♂) are deposited in CCT-UFGM.

Holotype labeled “Brasil, Minas Gerais: Belo Horizonte, Campus UFGM, 01.XII.2000, A. F. Kumagai col (UFGM) 2989”, UFGM-IHY-1700000.

Condition of holotype: Missing apical flagellomeres from right antenna; tarsomeres 4+ from right foreleg.

Paratypes voucher numbers: UFGM-IHY-1700001, UFGM-IHY-1700002, UFGM-IHY-1700003, UFGM-IHY-1700004, UFGM-IHY-1700005, UFGM-IHY-1700006, UFGM-IHY-1700007, UFGM-IHY-1700008, UFGM-IHY-1700009, UFGM-IHY-1700010, UFGM-IHY-1700011, UFGM-IHY-1700012, UFGM-IHY-1700013, UFGM-IHY-1700014, UFGM-IHY-1700015, UFGM-IHY-1700016, UFGM-IHY-1700017, UFGM-IHY-1700018, UFGM-IHY-1700019, UFGM-IHY-1700020, UFGM-IHY-1700021, UFGM-IHY-1700022, UFGM-IHY-1700023, UFGM-IHY-1700024, UFGM-IHY-1700025, UFGM-IHY-1700026, UFGM-IHY-1700027, UFGM-IHY-1700028, UFGM-IHY-1700029, UFGM-IHY-1700030, UFGM-IHY-1700031, UFGM-IHY-1700032, UFGM-IHY-1700033, UFGM-IHY-1700034, UFGM-IHY-1700035, UFGM-IHY-1700036, UFGM-IHY-1700037, UFGM-IHY-1700038, UFGM-IHY-1700039, UFGM-IHY-1700040, UFGM-IHY-1700042, UFGM-IHY-1700043, UFGM-IHY-1700044, UFGM-IHY-1700045, UFGM-IHY-1700046, UFGM-IHY-1700047, UFGM-IHY-1700048, UFGM-IHY-1700049, UFGM-IHY-1700050, UFGM-IHY-1700051, UFGM-IHY-1700052, UFGM-IHY-1700053, UFGM-IHY-1700054, UFGM-IHY-1700055, UFGM-IHY-1700056, UFGM-IHY-1700057, UFGM-IHY-1700058, UFGM-IHY-1700059, UFGM-IHY-1700060, UFGM-IHY-1700061, UFGM-IHY-1700062,

1700063, UFMG-IHY-1700064.

Type series distribution: Brazil: Minas Gerais: Barroso, Belo Horizonte, Lavras, São Gonçalo do Rio Abaixo.

Flacopimpla sulina Graf & Kumagai, 1997

Graf, V. & Kumagai, A.F. (1997) A ocorrência de *Flacopimpla* Gauld no Brasil (Hymenoptera, Ichneumonidae, Pimplinae). *Revista Brasileira de Zoologia*, 14(4), 773-777.

17 paratypes (♀) are deposited in CCT-UFMG.

Paratypes voucher numbers: UFMG-IHY-1700077, UFMG-IHY-1700078, UFMG-IHY-1700079, UFMG-IHY-1700080, UFMG-IHY-1700081, UFMG-IHY-1700082, UFMG-IHY-1700083, UFMG-IHY-1700084, UFMG-IHY-1700085, UFMG-IHY-1700086, UFMG-IHY-1700087, UFMG-IHY-1700088, UFMG-IHY-1700089, UFMG-IHY-1700090, UFMG-IHY-1700091, UFMG-IHY-1700092, UFMG-IHY-1700093

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

Grotea claudiae Kumagai, 2024

Lima, A.R. & Kumagai, A.F. (2024) Two new species of *Grotea* Cresson (Hymenoptera, Ichneumonidae, Labeninae) from Brazil. *Zootaxa*, 5403(1), 104-114.

The holotype (♀) is deposited in CCT-UFMG.

Holotype labeled “Brasil, Pará, FLONA Carajás, (S11B- Malaise/campo, 06°21’35”S; 50°23’25”W, 734m), 21–28.iv.2010, Kumagai/Lopes/Lima/Fonseca col.” UFMG-IHY-2204329.

Condition of holotype: Missing flagellomeres 16+ in the left antenna and 23+ in the right antenna. Apart from that it is in good condition.

Type series distribution: Brazil: Pará: Parauapebas.

Grotea fernandoi Lima, 2024

Lima, A.R. & Kumagai, A.F. (2024) Two new species of *Grotea* Cresson (Hymenoptera, Ichneumonidae, Labeninae) from Brazil. *Zootaxa*, 5403(1), 104-114.

The holotype (♀) is deposited in CCT-UFMG.

Holotype labeled “Brasil, Minas Gerais, Mariana, 20°16’24”S; 43°18’35”W, 30.iii–03.iv.2019, Malaise. Bruna Karen Pinheiro Costa leg.” UFMG-IHY-2202827.

Condition of holotype: In good condition.

Type series distribution: Brazil: Minas Gerais: Mariana.

Lathrolestes piranga Lima & Kumagai, 2016

Lima, A.R. & Kumagai, A.F. (2016) *Lathrolestes* Förster, 1869 (Hymenoptera, Ichneumonidae) from Brazil, with description of two new species and a key to the Neotropical species. *Zootaxa*, 4170(3), 587-593.

The holotype (♀) is deposited in CCT-UFMG.

Holotype labeled “Brasil, Minas Gerais, Belo Horizonte, Campus UFMG Pampulha, Estação Ecológica, 19°52’30”S; 43°58’20”W, 842m, 01–08.xi.2013, Malaise {trap}. A.F.Kumagai col.”, UFMG-IHY-1502933.

Condition of holotype: Left mesotarsus is glued on a triangular label pinned with the specimen. Apart from that it is in good condition.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

Lathrolestes pitunauassu Lima & Kumagai, 2016

Lima, A. R., & Kumagai, A. F. (2016). *Lathrolestes* Förster, 1869 (Hymenoptera, Ichneumonidae) from Brazil, with description of two new species and a key to the Neotropical species. *Zootaxa*, 4170(3), 587-593.

The holotype (♀) and 3 paratypes (♀) are deposited in CCT-UFMG.

Holotype labeled “Brasil, Minas Gerais, Belo Horizonte, Campus UFMG Pampulha, Estação Ecológica, 19°52’30”S; 43°58’20”W, 842m, 11–18.iii.2008, Malaise {trap}. A.F.Kumagai col”, UFMG-IHY-1600551.

Condition of holotype: The metatarsomeres 3–5 from both left and right legs are missing. Apart from that it is in good condition.

Paratypes voucher numbers: UFMG-IHY-1502084, UFMG-IHY-1502167, UFMG-IHY-1600552.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

Polysphincta teresa Pádua & Sääksjärvi, 2021

Pádua, D.G., Sääksjärvi, I.E., Spasojevic, T., Kaunisto, K.M., Monteiro, R.F. & Oliveira, M.L. (2021) A review of the spider-attacking *Polysphincta dizardi* species-group (Hymenoptera, Ichneumonidae, Pimplinae), with descriptions of seven new species from South America. *ZooKeys*, 1041, 137-165.

1 paratype (♀) is deposited in CCT-UFMG.

Paratype voucher numbers: UFMG-IHY-1500544.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

Stauropacton leotacilioi Lima & Kumagai, 2013
Lima, A.R., Jacobi, C.M. & Kumagai, A.F. (2013) Review of the Neotropical species of *Stauropacton* Brauns, 1889 (Hymenoptera: Ichneumonidae: Ophioninae). *Zootaxa*, 3750(5), 494-514.

2 paratypes (♀, ♂) are deposited in CCT-UFMG.

Paratypes voucher numbers: UFMG-IHY-1302705, UFMG-IHY-1700076.

Type series distribution: Brazil: Minas Gerais: Ouro Preto, São Gonçalo do Rio Abaixo.

Stauropacton michele Lima & Kumagai, 2013
Lima, A.R., Jacobi, C.M. & Kumagai, A.F. (2013) Review of the Neotropical species of *Stauropacton* Brauns, 1889 (Hymenoptera: Ichneumonidae: Ophioninae). *Zootaxa*, 3750(5), 494-514.

The holotype (♀) and 9 paratypes (7♀, 2♂) are deposited in CCT-UFMG.

Holotype labeled “Brasil, Minas Gerais: Marliéria (P. Est. Rio Doce), 12-18.viii.1978, M.A.V. D'Andretta col.”, UFMG-IHY-1700066.

Condition of holotype: Last right hind tarsomere is glued in a triangle label attached to the type pin. Apart from that it is in good condition.

Paratypes voucher numbers: UFMG-IHY-1700067, UFMG-IHY-1700068, UFMG-IHY-1700069, UFMG-IHY-1700070, UFMG-IHY-1700071, UFMG-IHY-1700072, UFMG-IHY-1700073, UFMG-IHY-1700074, UFMG-IHY-1700075.

Type series distribution: Brazil: Minas Gerais: Marliéria.

LEUCOSPIDAE

Leucospis copepucu Lima & Dias, 2018
Lima, A.R. & Dias, P.G. (2018) The New World species of *Leucospis* Fabricius, 1775 (Hymenoptera, Chalcidoidea, Leucospidae): an update of Bouček's revision with description of two new species from Brazil. *Zootaxa*, 4441(1), 1-45.

The holotype (♀) and 1 paratype (♂) are deposited in CCT-UFMG.

Holotype labeled “Brasil, Minas Gerais, Belo Horizonte, Campus da UFMG, Projeto Quarteirão 9.x. 1996, Ninho armadilha”, UFMG-IHY-1305656.

Condition of holotype: There is a hole in the mesoscutum, caused by an old pin that has been

removed. Antennal flagellum pharate, covered by a translucent chitinous membrane from pupal stage.

Paratype voucher number: UFMG-IHY-1305655.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

Leucospis muru Lima & Dias, 2018

Lima, A.R. & Dias, P.G. (2018) The New World species of *Leucospis* Fabricius, 1775 (Hymenoptera, Chalcidoidea, Leucospidae): an update of Bouček's revision with description of two new species from Brazil. *Zootaxa*, 4441(1), 1-45.

The holotype (♀) and 1 paratype (♀) are deposited in CCT-UFMG.

Holotype labeled “Brasil, Minas Gerais, Brumadinho, Serra da Moeda. Em ninho 16.viii.1998, E.A.B. Almeida leg.”, UFMG-IHY-1317252.

Condition of holotype: In good condition, left wings inside a gelatin capsule vial, pinned with specimen.

Paratype voucher number: UFMG-IHY-1317245.

Type series distribution: Brazil: Minas Gerais: Brumadinho.

MEGACHILIDAE

Austrostelis silveirai Urban, 2006

Urban, D. (2006) Espécies novas de Epanthidium Moure e de Austrostelis Michener & Griswold (Hymenoptera, Apidae, Megachilinae). *Revista Brasileira de Entomologia*, 50, 43-48.

The holotype (♂) is deposited in CCT-UFMG.

Holotype labeled “Abelhas da Zona Metalúrgica MG Pq Mangabeiras 0759-1865”, “Belo Horizonte MG Brasil 27/11/1996 J. Damasceno”, “Austrostelis ? / sp. 01 / F. A. Silveira det. 2000”, UFMG-IHY-1865.

Condition of holotype: Missing left antenna. Apart of that, in good condition.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

MONOMACHIDAE

Monomachus cultratus Musetti & Johnson, 2004

Musetti, L. & Johnson, N.F. (2004) Revision of the New World species of the genus *Monomachus* Klug (Hymenoptera: Proctotrupoidea, Monomachidae). *The Canadian Entomologist*, 136(04), 501-552.

The holotype (♀) is deposited in CCT-UFGM.

Holotype labeled “Brasil. Minas Gerais, Belo Horizonte, UFGM [Universidade Federal de Minas Gerais], Campus Pampulha, 830m, 19°52'S 43°58'W, 24.xi.1996, JCR Fontenelle (OSUC 117703)”, UFGM-IHY-1700094.

Condition of holotype: In good condition.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

VESPIDAE

Sternonartonia perdita Garcete-Barrett, 2011

Garcete-Barrett, B.R. (2011) A revision of the genus *Stenonartonia* Giordani Soika, 1973 (Hymenoptera: Vespidae: Eumeninae). *Zootaxa*, 2868(1), 1-50.

1 paratype (♀) is deposited in CCT-UFGM.

Paratype voucher number: UFGM-IHY-1700065.

Type series distribution: Brazil: Pará: (FLONA Carajás).

Zethus alessandroi Lopes, 2015

Lopes, R.B., Kumagai, A.F., Stange, L.A. & Hermes, M.G. (2015) Cladistic analysis and systematic revision of the *Zethus smithii* (de Saussure) species-group sensu Bohart & Stange (Hymenoptera: Vespidae: Eumeninae). *Invertebrate Systematics*, 29(5), 421-443.

The holotype (♀) and 1 paratype (♂) are deposited in CCT-UFGM.

Holotype labeled Holotype. “Brasil: Acre: Senador Guionard, Reserva Catuaba, 10°04'S/ 67°36'W, 1.?. 2002, E. F. Morato leg. 1181”.

Condition of holotype: Not checked.

Paratype voucher numbers: UFGM-IHY-1801647.

Type series distribution: Brazil: Acre: Senador Guionard.

Notes: Holotype without voucher number.

Zethus aliciae Lopes, 2014

Lopes, R.B. & Noll, F.B. (2014) Notes on the Neotropical *Zethus* Fabricius, 1804 (Hymenoptera, Vespidae, Eumeninae) with the description of two new species from Brazil. *Zootaxa*, 3784(2), 179-186.

The holotype (♀) is deposited in CCT-UFGM.

Holotype labeled “Brasil: Belo Horizonte – MG/ 19.V.2000/Est. Ecol. UFGM/ A. F. Kumagai col.”

Condition of holotype: Not checked.

Type series distribution: Brazil: Minas Gerais: Belo Horizonte.

Notes: Specimen without voucher number.

Zethus mesocarinatus Lopes & Hermes, 2015

Lopes, R.B., Kumagai, A.F., Stange, L.A. & Hermes, M.G. (2015) Cladistic analysis and systematic revision of the *Zethus smithii* (de Saussure) species-group sensu Bohart & Stange (Hymenoptera: Vespidae: Eumeninae). *Invertebrate Systematics*, 29(5), 421-443.

The holotype (♀) and 2 paratypes (♀) are deposited in CCT-UFGM.

Holotype labeled “Brasil: Minas Gerais: Serra do Salitre, RPPN Cach. do Campo/ 19–25.ii.2009, A. F. Kumagai col.”.

Condition of holotype: Not checked.

Notes: Specimens without voucher number.

LEPIDOPTERA

NYMPHALIDAE

Taygetis drogoni Siewert, Zacca, Dias & Freitas, 2013

Siewert, R.R., Zacca, T., Dias, F.M.S., Freitas, A.V.L., Mielke, O.H.H. & Casagrande, M.M. (2013) The “*Taygetis ypthima* species group” (Lepidoptera, Nymphalidae, Satyrinae): taxonomy, variation and description of a new species. *Zookeys*, 356, 11-29.

3 paratypes (♂) are deposited in CCT-UFGM.

Paratypes voucher numbers: UFGM-ILE-1300504, UFGM-ILE-1300506, UFGM-ILE-1300507.

Type series distribution: Brazil: Minas Gerais: São Roque de Minas.

MECOPTERA

BITTACIDAE

Pazius angaibara Lima & Dias, 2016

Lima, A.R. & Dias, P.G. (2016) The uncommon Neotropical genus *Pazius* Navás, 1913 (Mecoptera: Bittacidae): a comprehensive synthesis, with description of a new Brazilian species. *Zootaxa*, 4169(3), 504-514.

The holotype (♂) is deposited in CCT-UFGM.

Holotype labeled “Brasil, RO [Rondônia State], Monte Negro [municipality] (km15 – [road] BR421) 10°22'21.09”S, 63°17'6.08”W, 17.xii.2013

P.H.Martins (em voo)", UFMG-IMC-1400003.

Condition of holotype: Apex of right forewing detached, in the same vial of the specimen.

Type series distribution: Brazil: Rondônia: Monte Negro.

Preservation: Preserved in 70% ethanol.

PHASMATODEA

PHASMATIDAE

Cladomorphus trimariensis Kumagai & Fonseca, 2009

Kumagai, A.F. & Fonseca, N.G.D. (2009) A new species of *Cladomorphus* Gray, 1835 (Phasmatidae, Cladomorphinae) from Minas Gerais, Brazil. *Revista Brasileira de Entomologia*, 53(1), 41-44.

The holotype (♀) and 22 paratypes (6♀, 16♂) are deposited in CCT-UFMG.

Holotype labeled "Três Marias, 2001 N. G. Fonseca col." UFMG-IPH-1700000.

Condition of holotype: Missing right flagellomeres 23+, tarsal claws from right midleg and left hindleg. Apart from that, in good condition.

Paratypes voucher numbers: UFMG-IPH-1700001, UFMG-IPH-1700002, UFMG-IPH-1700003, UFMG-IPH-1700004, UFMG-IPH-1700005, UFMG-IPH-1700006, UFMG-IPH-1700007, UFMG-IPH-1700008, UFMG-IPH-1700009, UFMG-IPH-1700010, UFMG-IPH-1700011, UFMG-IPH-1700012, UFMG-IPH-1700013, UFMG-IPH-1700014, UFMG-IPH-1700015, UFMG-IPH-1700016, UFMG-IPH-1700017, UFMG-IPH-1700018, UFMG-IPH-1700019, UFMG-IPH-1700020, UFMG-IPH-1700021, UFMG-IPH-1700022

Type series distribution: Brazil: Minas Gerais: Três Marias.

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- Urban, D., Moure J.S. & Melo, G.A.R. (2022) *Diphaglossini* Vachal, 1909. In Moure, J. S., Urban, D. & Melo, G. A. R. (Orgs). *Catalogue of Bees (Hymenoptera, Apoidea) in the Neotropical Region - online version*. Available at <http://www.moure.cria.org.br/catalogue>. Accessed Jul/03/2023p.