

# Selected Neotropical STINGLESS BEES

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Photos: Bruno Corrêa Barbosa [barbosa.bc@outlook.com], Joao Luís Lobo, Pietra Franck Malfitano, and Ana Paula Gelli de Faria. Produced by the authors with the assistance of Rayane Ribeiro, Field Museum. Acknowledgments: Universidade Federal de Juiz de Fora. Common names are based on indigenous or popular names from a variety of regions of Brazil.



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This guide to the stingless bees (Apidae: Meliponini) of the Federal University of Juiz de Fora Botanical Garden is based on research conducted by the Institute of Biological Sciences, which includes Biology, Ecology and Animal Behavior.

The Botanical Garden includes about 82 hectares of preserved forest on the outskirts of the city of Juiz de Fora, Minas Gerais, southeastern Brazil. The area is a mosaic of impressive richness and diversity, with floristic heterogeneity of arboreal vegetation and predominance of pioneer plants, in addition to endangered species and a number of exotics.

To date, the project has recorded 14 species of stingless bees, which reflects an impressive diversity in these urban fragments.

This guide displays most of the species recorded to date in the Federal University of Juiz de Fora Botanical Garden, as well as their nests and some plants they use.



Gabriela Maciel



1 *Cephalotrigona capitata*  
**Mombucão**



2 *Cephalotrigona capitata* (Nest)  
**Mombucão**



3 *Friesella schrottkyi* (Nest)  
**Mirim-preguiça**



4 *Friesella schrottkyi* (Nest)  
**Mirim-preguiça**



5 *Melipona quadrifasciata*  
**Mandaçaia**



6 *Melipona quadrifasciata* (Nest)  
**Mandaçaia**



7 *Nannotrigona testaceicornis* (Nest)  
**Irará**



8 *Nannotrigona testaceicornis* (Nest)  
**Irará**



9 *Partamona helleri* (Nest)  
**boca-de-sapo**



10 *Plebeia cf. pugnax* (Nest)  
**Mirim**



11 *Plebeia droryana* (Nest)  
**Mirim**



12 *Scaptotrigona bipunctata* (Nest)  
**Tubuna**



# Botanical Garden of the Federal University of Juiz de Fora, Minas Gerais, Brazil 2

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13 *Scaptotrigona xanthotricha*  
Mandaguari-amarela



14 *Scaptotrigona xanthotricha* (Nest)  
Mandaguari-amarela



15 *Scaptotrigona xanthotricha* (Nest)  
Mandaguari-amarela



16 *Tetragona clavipes* (Nest)  
Borá



17 *Tetragona clavipes* (Nest)  
Borá



18 *Tetragonisca angustula* (Nest)  
Jataí



19 *Tetragonisca angustula* (Nest)  
Jataí



20 *Trigona spinipes* (Nest)  
Arapuá



21 *Trigona spinipes* (Nest)  
Arapuá



22 *Impatiens walleriana* (Plant)  
BALSAMINACEAE



23 *Billbergia zebrina* (Plant)  
BROMELIACEAE



24 *Hedychium gardnerianum* (Plant)  
ZINGIBERACEAE



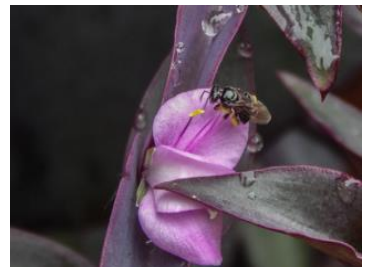
25 *Acnistus arborescens* (Plant)  
*Melipona quadrifasciata* (Bee)



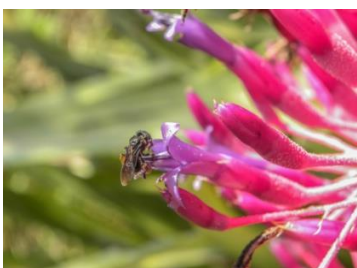
26 *Euphorbia milii* (Plant)  
*Trigona spinipes* (Bee)



27 *Tradescantia pallida* (Plant)  
*Tetragonisca angustula* (Bee)



28 *Tradescantia pallida* (Plant)  
*Partamona cf. cupira* (Bee)



29 *Portea petropolitana* (Plant)  
*Trigona spinipes* (Bee)



30 *Tripogandra diuretica* (Plant)  
*Tetragonisca angustula* (Bee)



31 *Hippeastrum puniceum* (Plant)  
*Plebeia droryana* (Bee)



32 *Bidens pilosa* (Plant)  
*Cephalotrigona capitata* (Bee)