

Volume 2: FUNGI of Reserva Particular do Patrimônio Natural do Cristalino

Susanne Sourell, D. Jean Lodge, João P.M. Araújo, Timothy Baroni, Priscila Chaverri, Ariadne Furtado, Tatiana Gibertoni, Fernanda Karstedt, Jadson J.S. Oliveira, Larissa Trierveiler Pereira and Julia Simon Cardoso

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1 *Acanthomyces* sp. (on moth)  
**ASCOMYCOTA**



2 *Acanthomyces tuberculatus* s.l. (on moth)



3 *Ascocoryne* sp.



4 *Ascopolyporus* aff. *polychrous*



5 *Ascopolyporus philodendri*



6 *Ascopolyporus philodendri*



7 *Beauveria* aff. *loeizensis*



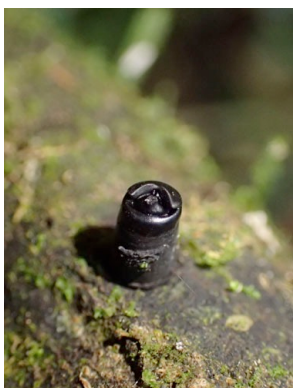
8 *Beauveria* aff. *loeizensis*



9 *Bionectria* sp.



10 *Camillea cyclops*



11 *Camillea mucronata*



12 *Calostilbe striispora* / *Calostilbella calostilbe* anamorph



13 *Cookeina* sp.



14 *Corallonectria* cf. *jatrophae* © M. Koltzenburg



15 *Corallonectria* cf. *jatrophae*



16 *Cordyceps* cf. *nidus* (on spider)



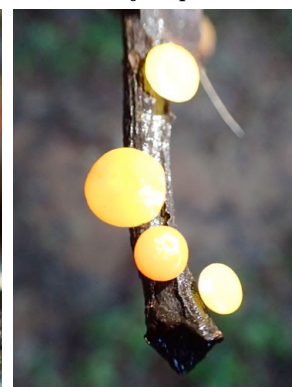
17 *Cordyceps* aff. *spegazzinii* (on beetle grub)



18 *Cordyceps* aff. *takamontana* (on beetle grub)



19 *Cordycipitaceae* (on beetle grub)



20 *Dicephalospora rufocornea*

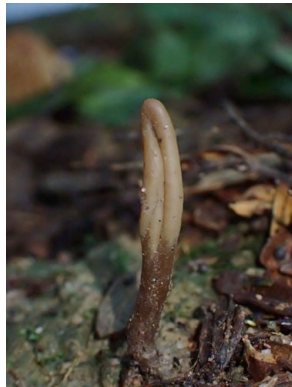
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21 *Dicephalospora rufocornea*



22 Geoglossaceae



23 *Gibellula* sp. 1 (on spider)



24 *Gibellula* sp. 2 (on spider)



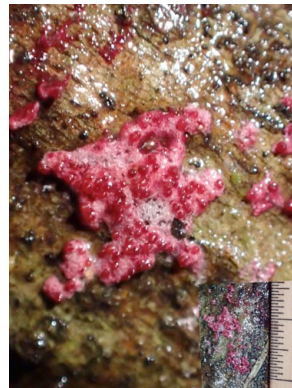
25 *Hypocrella disciformis*



26 *Hypocrella hirsuta* (on scale insect)



27 *Hypocreopsis macrostoma*



28 *Hypomyces* cf. *rosellus*



29 *Hypoxylon* aff. *aeruginosum*



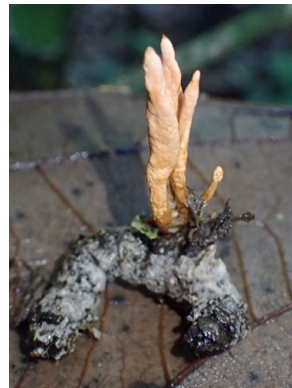
30 *Hypoxylon* aff. *aeruginosum*



31 *Hypoxylon haematostroma*



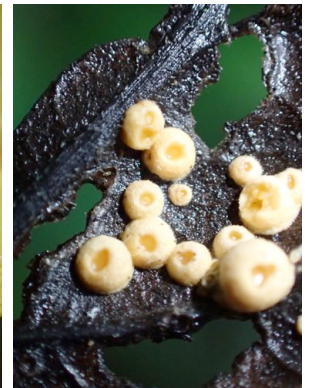
32 *Hypoxylon symphyon*



33 *Metacordyceps* sp. (on beetle grub)



34 *Moelleriella disjuncta* (on scale insect)



35 *Moelleriella epiphylla* (on scale insect)



36 *Moelleriella* cf. *libera* 1 (on scale insect)



37 *Moelleriella* cf. *libera* 2 (on scale insect)



38 *Moelleriella phyllogena* (on scale insect)



39 *Moelleriella* cf. *sloaneae* (on scale insect)



40 *Moelleriella* cf. *sloaneae* (on scale insect)

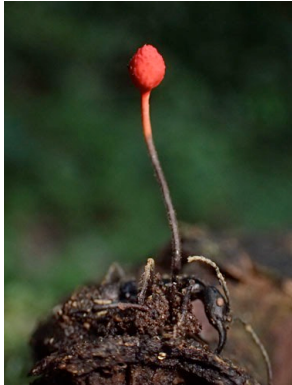
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41 *Nigelia martiale*  
(on beetle grub)



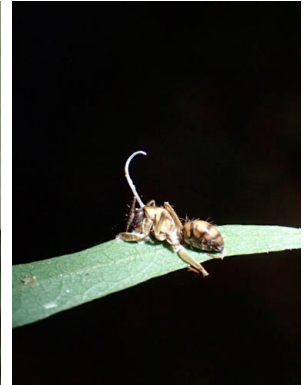
42 *Ophiocordyceps australis*  
(on *Pachycondyla* ant)



43 *Ophiocordyceps* cf. *caloceroides*  
(on Theraphosidae)



44 *Ophiocordyceps* cf. *caloceroides*  
(on Theraphosidae)



45 *Ophiocordyceps campo-noti-atricipis*  
(on ant)



46 *Ophiocordyceps curculionum* group  
(on beetle)



47 *Ophiocordyceps curculionum* group  
(on beetle)



48 *Ophiocordyceps fulgoromorpha*  
(on Fulgoridae)



49 *Ophiocordyceps* cf. *gracilioides*  
(on insect)



50 *Ophiocordyceps humbertii*  
*Hirsutella saussurei* morph



51 *Ophiocordyceps kniphofioides*  
(on *Cephalotes atratus*)



52 *Ophiocordyceps lloydii*  
(on *Camponotus atriceps*) © R. Hoyer



53 *Ophiocordyceps melolonthae* group  
(on beetle grub)



54 *Ophiocordyceps* aff. *myrmecophila* / *irangiensis*  
(on ant)



55 *Ophiocordyceps nutans*  
(on stink bug)



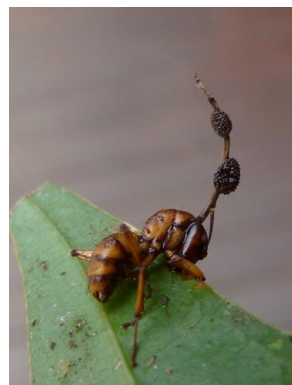
56 *Ophiocordyceps* aff. *pentatomae*  
(on stink bug)



57 *Ophiocordyceps sphecocephala* group  
(on wasp)



58 *Ophiocordyceps sphecocephala* group  
(on bee)



59 *Ophiocordyceps unilateralis* group  
(on ant) © M. Koltzenburg



60 *Ophiocordyceps* sp. 1  
(on Ponerine ant)

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61 *Ophiocordyceps* sp. 2  
(on Ichneumonidae wasp)



62 *Ophiocordyceps* sp. 3  
(on insect)



63 *Ophiocordyceps* sp. 4  
(on spider)



64 *Penicillioopsis clavariiformis* (on palm seed)



65 *Scutellinia* sp.



66 *Scutellinia* sp.



67 *Thamnomycetes chordalis*



68 *Thamnomycetes chordalis*



69 *Thamnomycetes dendroideus*



70 *Thamnomycetes* sp.



71 *Thuemenella* cf. *cubispora*



72 *Trichoderma* cf. *peltatum*



73 *Trichoderma* sp. 1



74 *Trichoderma* sp. 2



75 *Trichoderma* sp. 3



76 *Xylaria* cf. *comosa*  
group 1



77 *Xylaria* cf. *comosa*  
group 2



78 *Xylaria curta*



79 *Xylaria* cf. *enterogena*



80 *Xylaria globosa*

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81 *Xylaria microceras*



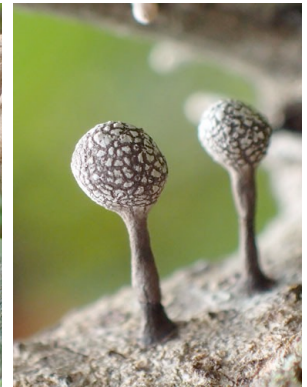
82 *Xylaria* cf. *tentaculata*



83 *Xylaria* sp. 1



84 *Xylaria* sp. 2



85 *Xylaria* sp. 3



88 *Xylariaceae*



87 **AGARICALES  
BASIDIOMYCOTA**



88 *Agaricus* sp. 1



89 *Amanita ceciliae* –  
*A. sororcula* group



90 *Amanita ceciliae* –  
*A. sororcula* group



91 *Amanita* cf.  
*cinereoconia*



92 *Amanita* cf.  
*cinereoconia*



93 *Amanita* cf. *coacta*  
A. sect. *Vaginatae* sensu Yang



94 *Amanita* cf. *coacta*  
A. sect. *Vaginatae* sensu Yang



95 *Amanita* sp. (*Amanita*  
subsection *Limbatulae* Bas.)



96 *Amanita* sp. (*Amanita*  
subsection *Limbatulae* Bas.)



97 *Amanita* sp.  
*Amanita* sect. *Phalloideae*



98 *Amanita* sp.  
*Amanita* sect. *Phalloideae*



99 *Amanita* sp.  
*Amanita* sect. *Vaginatae*



100 *Amanita* sp.  
*Amanita* sect. *Vaginatae*

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101 *Amanita* sp.  
*Amanita* sect. *Vaginatae*



102 *Amanita* sp. 1



103 *Amanita* sp. 1



104 *Amanita* sp. 1



105 *Amparoïna spinosissima*



106 *Amparoïna spinosissima*



107 *Alboleptonia* sp.



108 *Alboleptonia* sp.



109 *Calliderma* sp. 1



110 *Calliderma* sp. 1



111 *Calliderma* sp. 2



112 *Calliderma* sp. 2



113 *Calocybe* sp.



114 *Calocybe* sp.



115 *Clitocybula azurea*



116 *Clitocybula azurea*



117 *Coprinellus* sp.



118 *Coprinellus* sp.



119 *Coprinopsis* sp. 1



120 *Coprinopsis* sp. 1

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121 *Coprinopsis* sp. 2



122 *Coprinopsis* sp. 2



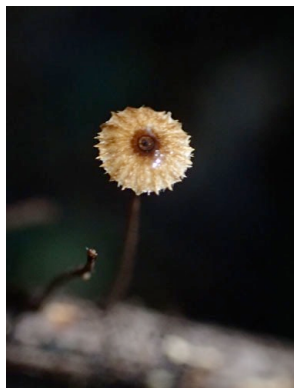
123 *Coprinopsis* sp. 3



124 *Crepidotus* sp.



125 *Crepidotus* sp.



126 *Crinipellis* cf. *septotricha*



127 *Crinipellis* cf. *septotricha*



128 *Crinipellis* sp.



129 *Crinipellis* sp.



130 *Cyptotrama asprata*



131 *Cyptotrama asprata*



132 *Cystolepiota* cf. *seminuda*



133 *Cystolepiota* cf. *seminuda*



134 *Echinoderma hemisclerum*



135 *Echinoderma hemisclerum*



136 *Echinoderma* sp.



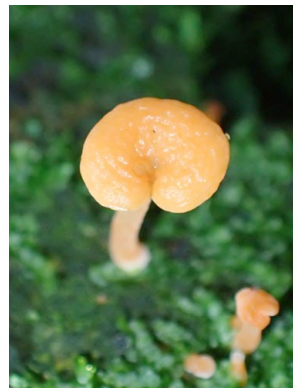
137 *Echinoderma* sp.



138 *Favolaschia* cf. *gaillardii* (on dicot wood)



139 *Favolaschia* cf. *gaillardii* (on dicot wood)



140 *Favolaschia* sp. 1

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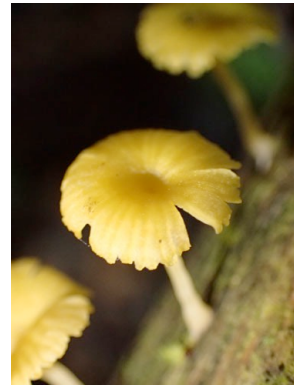
141 *Favolaschia* sp. 1



142 *Favolaschia* sp. 2



143 *Favolaschia* sp. 2



144 *Gerronema* cf. *icterinum*



145 *Gerronema* cf. *icterinum*



146 *Gerronema strombodes*



147 *Gerronema strombodes*



148 *Gloiocephala* sect. *Spathulariae*



149 *Gloiocephala* sect. *Spathulariae*



150 *Gymnopus montagnei*



151 *Gymnopus* sp.



152 *Gymnopus* sp.



153 *Gymnopus* sp. 1



154 *Gymnopus* sp. 1



155 *Gymnopus* sp. 2



156 *Gymnopus* sp. 2



157 *Gymnopus* sp. 3



158 *Gymnopus* sp. 3



159 *Gymnopus* sp. 4



160 *Gymnopus* sp. 4



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161 *Gymnopus* sp. 5  
(=*Micromphale*)



162 *Gymnopus* sp. 5  
(=*Micromphale*)



163 *Hemimycena* sp.



164 *Hemimycena* sp.



165 *Hohenbuehelia* sp. 1



166 *Hohenbuehelia* sp. 1



167 *Hohenbuehelia* sp. 2



168 *Hohenbuehelia* sp. 2



169 *Hygroaster nodulisporus*



170 *Hygroaster nodulisporus*



171 *Hygroaster* sp.



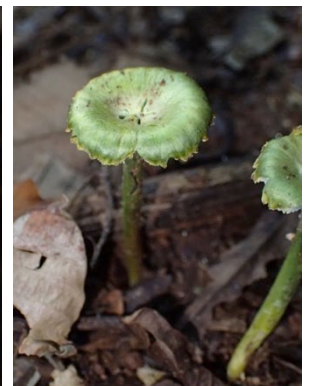
172 *Hygroaster* sp.



173 *Hygrocybe* aff.  
*chloochlora*



174 *Hygrocybe* aff.  
*chloochlora*



175 *Hygrocybe chloochlora*  
'clade'



176 *Hygrocybe chloochlora*  
'clade'



177 *Hygrocybe conical*/  
*astatogala* complex



178 *Hygrocybe conical*/  
*astatogala* complex



179 *Hygrocybe* cf. *conica*  
var. *brevispora*



180 *Hygrocybe* cf. *conica*  
var. *brevispora*

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181 *Hygrocybe* cf. *melleofusca*



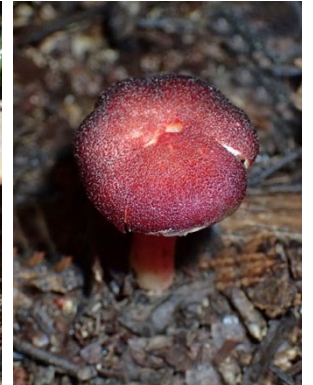
182 *Hygrocybe* cf. *melleofusca*



183 *Hygrocybe mirabilis* nom. prov.



184 *Hygrocybe mirabilis* nom. prov.



185 *Hygrocybe* cf. *neofirma*



186 *Hygrocybe* cf. *neofirma*



187 *Hygrocybe* aff. *neofirma* 1



188 *Hygrocybe* aff. *neofirma* 1



189 *Hygrocybe* aff. *neofirma* 2



190 *Hygrocybe* aff. *neofirma* 2



191 *Hygrocybe* cf. *noninquans*



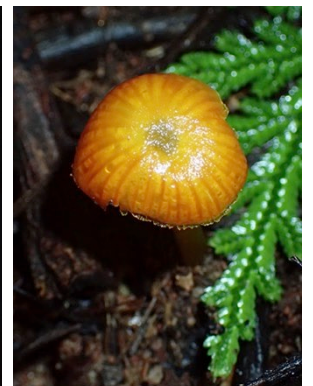
192 *Hygrocybe* cf. *noninquans*



193 *Hygrocybe occidentalis* 'clade' 1



194 *Hygrocybe occidentalis* 'clade' 1



195 *Hygrocybe occidentalis* 'clade' 2



196 *Hygrocybe occidentalis* 'clade' 2



197 *Hygrocybe occidentalis* 'clade' 3



198 *Hygrocybe occidentalis* 'clade' 3



199 *Hygrocybe occidentalis* 'clade' 4



200 *Hygrocybe occidentalis* 'clade' 4

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201 *Hygrocybe* cf. *rubrodolichopoda* nom. prov.



202 *Hygrocybe* sect. *Firmae*



203 *Hygrocybe* sect. *Firmae*



204 *Hygrocybe* sect. *Pseudofirmae* sp. 1



205 *Hygrocybe* sect. *Pseudofirmae* sp. 1



206 *Hygrocybe* sect. *Pseudofirmae* sp. 2



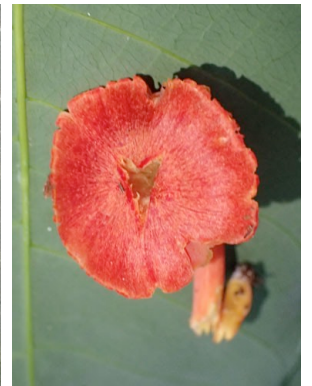
207 *Hygrocybe* sect. *Pseudofirmae* sp. 2



208 *Hygrocybe* sect. *Pseudofirmae* sp. 3



209 *Hygrocybe* sect. *Pseudofirmae* sp. 3



210 *Hygrocybe* sect. *Pseudofirmae* sp. 4



211 *Hygrocybe* sect. *Pseudofirmae* sp. 4



212 *Hygrocybe* sect. *Pseudofirmae* sp. 5



213 *Hygrocybe* sect. *Pseudofirmae* sp. 5



214 *Hygrocybe* sect. *Pseudofirmae* sp. 6



215 *Hygrocybe* sect. *Pseudofirmae* sp. 6



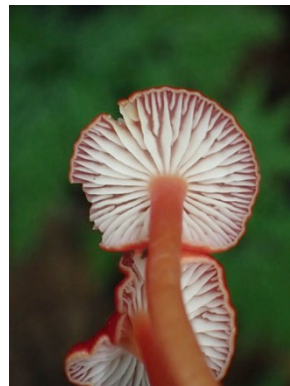
216 *Hygrocybe* subsect. *Macrospora*



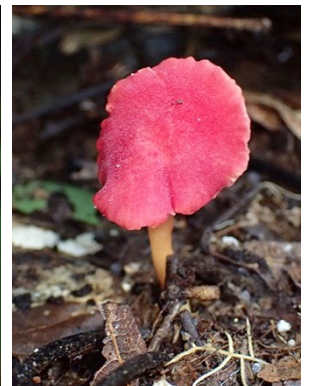
217 *Hygrocybe* subsect. *Macrospora*



218 *Hygrocybe* subsect. *Squamulosae* sp. 1



219 *Hygrocybe* subsect. *Squamulosae* sp. 1



220 *Hygrocybe* subsect. *Squamulosae* sp. 2

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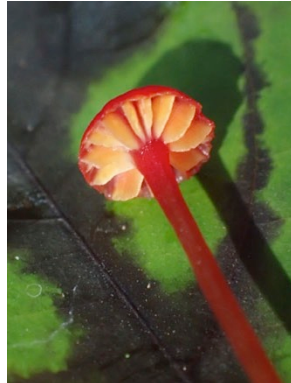
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221 *Hygrocybe* subsect. *Squamulosae* sp. 2



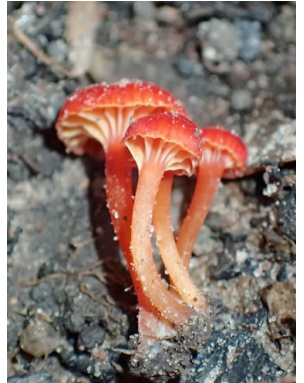
222 *Hygrocybe* subsect. *Squamulosae* sp. 3



223 *Hygrocybe* subsect. *Squamulosae* sp. 3



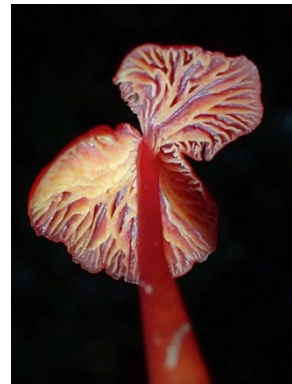
224 *Hygrocybe* subsect. *Squamulosae* sp. 4



225 *Hygrocybe* subsect. *Squamulosae* sp. 4



226 *Hygrocybe* sp. 1



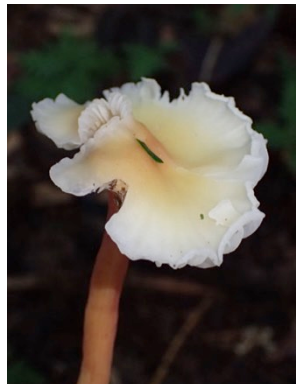
227 *Hygrocybe* sp. 1



228 *Hygrocybe* sp. 2



229 *Hygrocybe* sp. 2



230 *Hygrocybe* sp. 3



231 *Hygrocybe* sp. 3



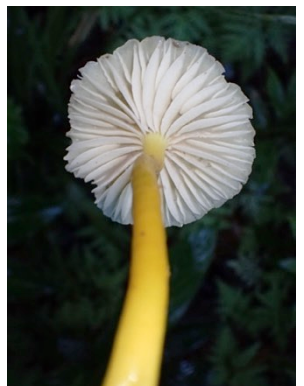
232 *Hygrocybe* sp. 4



233 *Hygrocybe* sp. 4



234 *Hygrocybe* sp. 5



236 *Hygrocybe* sp. 5



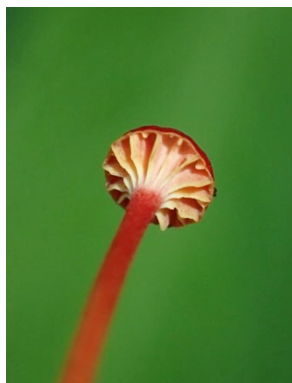
236 *Hygrocybe* aff. *trinitensis*



237 *Hygrocybe* aff. *trinitensis*



238 *Hygrocybe trinitensis* 'clade'



239 *Hygrocybe trinitensis* 'clade'



240 Hygrocybeaceae sp. 1

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241 Hygrophoraceae sp. 1



242 Hygrophoraceae sp. 2



243 Hygrophoraceae sp. 2



244 Hygrophoraceae sp. 3



245 Hygrophoraceae sp. 3



246 *Inocephalus azureoviridis* group 1



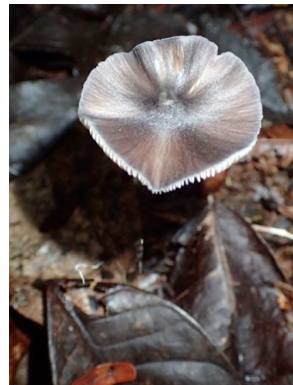
247 *Inocephalus azureoviridis* group 1



248 *Inocephalus azureoviridis* group 2



249 *Inocephalus azureoviridis* group 2



250 *Inocephalus* sp. 1



251 *Inocephalus* sp. 1



252 *Inocephalus* sp. 2



253 *Inocephalus* sp. 2



254 *Inocephalus* sp. 3



255 *Inocephalus* sp. 3



256 *Inocephalus* sp. 4



257 *Inocephalus* sp. 4



258 *Inocephalus* sp. 5



259 *Inocephalus* sp. 5



260 *Inocephalus* sp. 6

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261 *Inocephalus* sp. 6



262 *Inocephalus* sp. 7



263 *Inocephalus* sp. 7



264 *Inocephalus* sp. 8



265 *Inocephalus* sp. 8



266 *Inocephalus* sp. 9



267 *Inocephalus* sp. 9



268 *Lactifluus* sp.



269 *Lactifluus* sp.



270 *Lentinula* cf. *raphanica*



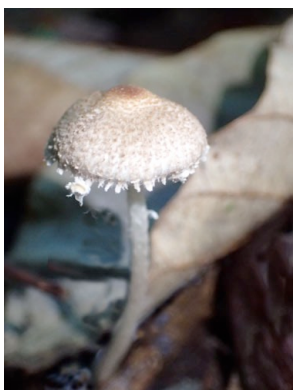
271 *Lentinula* cf. *raphanica*



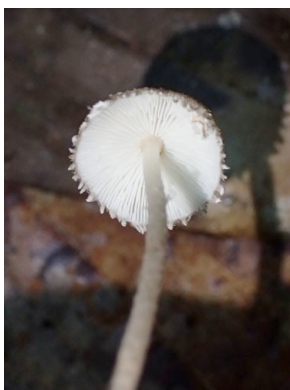
272 *Lepiota* sp. 1



273 *Lepiota* sp. 1



274 *Lepiota* sp. 2



275 *Lepiota* sp. 2



276 *Lepiota* sp. 3



277 *Lepiota* sp. 3



278 *Lepiota* sp. 4



279 *Lepiota* sp. 4



280 *Lepiota* sp. 5

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281 *Lepiota* sp. 5



282 *Lepiota* sp. 6



283 *Lepiota* sp. 6



284 *Lepiota* sp. 7  
"La princesa"



285 *Lepiota* sp. 7  
"La princesa"



286 *Lepiota* sp. 8



287 *Lepiota* sp. 8



288 *Lepiota* sp. 9



289 *Lepiota* sp. 9



290 *Lepista* sp. 1



291 *Lepista* sp. 1



292 *Lepista* sp. 2



293 *Lepista* sp. 2



294 *Leptonia* sp. 1



295 *Leptonia* sp. 1



296 *Leptonia* sp. 2



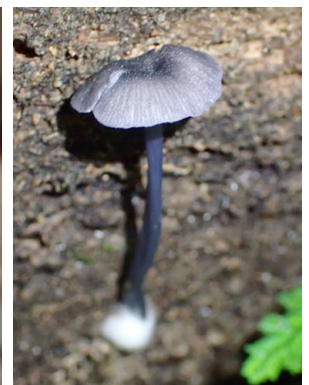
297 *Leptonia* sp. 2



298 *Leptonia* subg.  
*cyanula* 1



299 *Leptonia* subg.  
*cyanula* 1



300 *Leptonia* subg.  
*cyanula* 2

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301 *Leptonia* subg. *cyanula* 2



302 *Leucoagaricus* *americanus* group



303 *Leucoagaricus* *americanus* group



304 *Leucoagaricus* sp.



305 *Leucoagaricus* sp.



306 *Leucocoprinus* cf. *longistriatus*



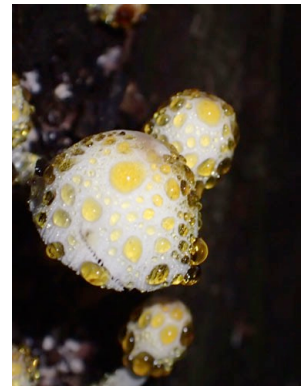
307 *Leucocoprinus* cf. *longistriatus*



308 *Leucocoprinus* sp. 1



309 *Leucocoprinus* sp. 1



310 *Leucocoprinus* sp. 2



311 *Leucocoprinus* sp. 2



312 *Leucocoprinus* sp. 2



313 *Leucocoprinus* sp. 3



314 *Leucocoprinus* sp. 3



315 *Leucocoprinus* sp. 4



316 *Leucocoprinus* sp. 4



317 *Macrocybe* sp.



318 *Macrocybe* sp.



319 *Macrolepiota* cf. *colombiana*



320 *Macrolepiota* cf. *colombiana*



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321 *Macrolepiota* sp.



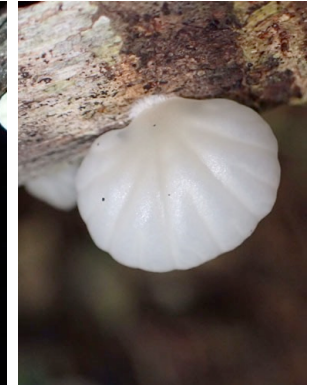
322 *Macrolepiota* sp.



321 *Marasmiellus* sect. *Candidi*



324 *Marasmiellus* sect. *Candidi*



325 *Marasmiellus* sect. *Distantifolii* 1



326 *Marasmiellus* sect. *Distantifolii* 1



327 *Marasmiellus* sect. *Distantifolii* 2



328 *Marasmiellus* sect. *Distantifolii* 2



329 *Marasmiellus* sp. 1



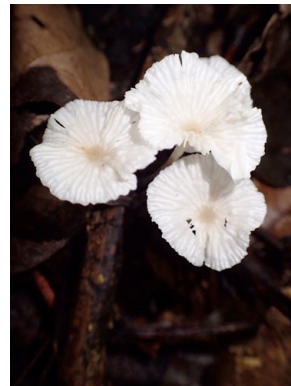
330 *Marasmiellus* sp. 1



331 *Marasmiellus* sp. 2



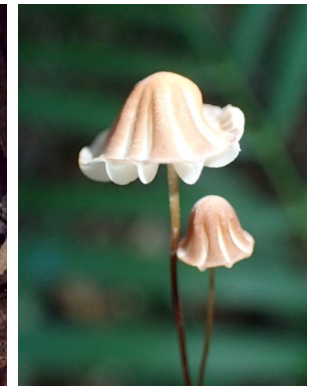
332 *Marasmiellus* sp. 2



333 *Marasmiellus* sp. 3



334 *Marasmiellus* sp. 3



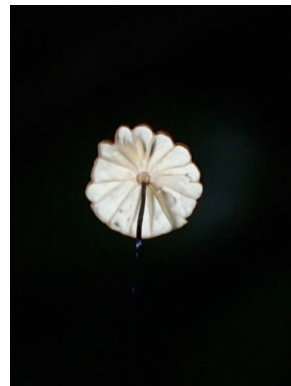
335 *Marasmius* cf. *bambusiniformis* (Singer 1976)



336 *Marasmius* cf. *bambusiniformis* (Singer 1976)



337 *Marasmius* cf. *boliviae*



338 *Marasmius* cf. *boliviae*



339 *Marasmius* *castellanoi*



340 *Marasmius* *castellanoi*

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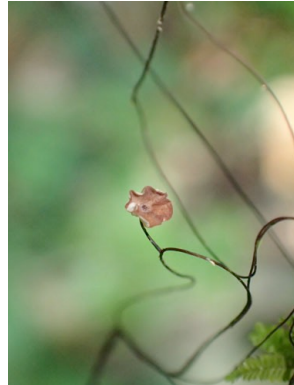
341 *Marasmius* aff. *conquistensis* (Singer 1976)



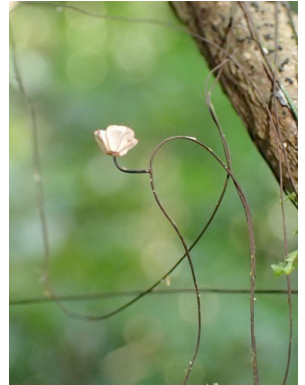
342 *Marasmius* aff. *conquistensis* (Singer 1976)



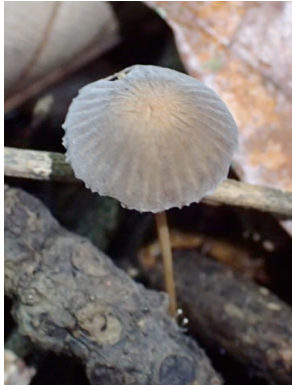
343 *Marasmius* aff. *conquistensis* (Singer 1976)



344 *Marasmius crinis-equi*



345 *Marasmius crinis-equi*



346 *Marasmius* cf. *digilii* (Singer 1976)



347 *Marasmius* cf. *digilii* (Singer 1976)



348 *Marasmius* cf. *dimorphus*



349 *Marasmius* cf. *dimorphus*



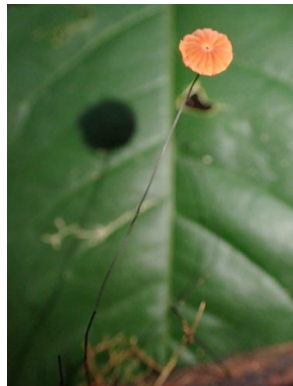
350 *Marasmius* cf. sect. *Globulares*



351 *Marasmius* cf. sect. *Globulares*



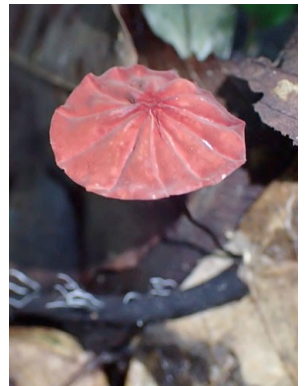
352 *Marasmius* cf. sect. *Globulares*



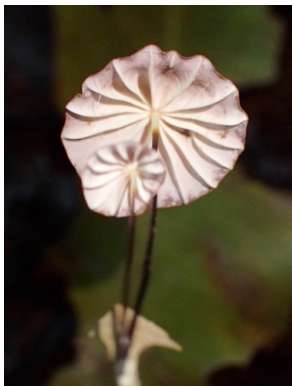
353 *Marasmius* cf. *foliicola* (Singer 1976)



354 *Marasmius* cf. *foliicola* (Singer 1976)



355 *Marasmius haematocephalus* complex sp. 1



356 *Marasmius haematocephalus* complex sp. 1



357 *Marasmius haematocephalus* complex sp. 2



358 *Marasmius haematocephalus* complex sp. 2



359 *Marasmius haematocephalus* complex sp. 3

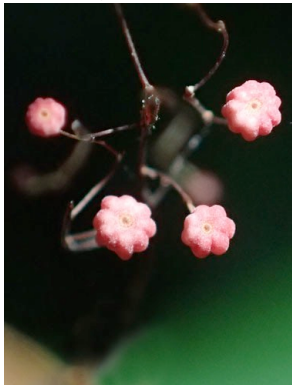


360 *Marasmius haematocephalus* complex sp. 3

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361 *Marasmius microdendron*



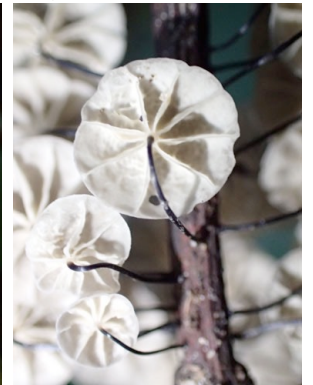
362 *Marasmius microdendron*



363 *Marasmius microdendron*



364 *Marasmius* aff. *rotalis*



365 *Marasmius* aff. *rotalis*



366 *Marasmius* aff. *sierraeleonis* Beeli (Antonín 2007)



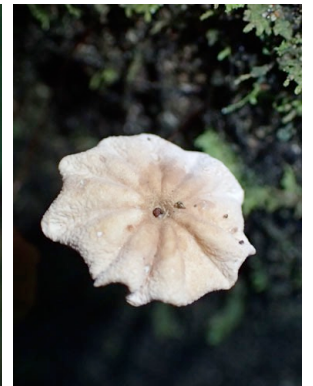
367 *Marasmius* aff. *sierraeleonis* Beeli (Antonín 2007)



368 *Marasmius* aff. *tucumanus*



369 *Marasmius* aff. *tucumanus*



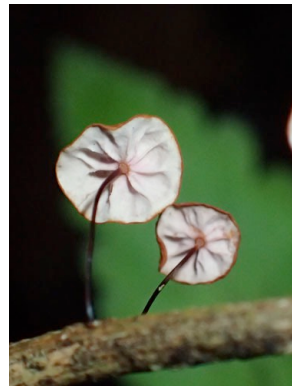
370 *Marasmius* sp. 1



371 *Marasmius* sp. 1



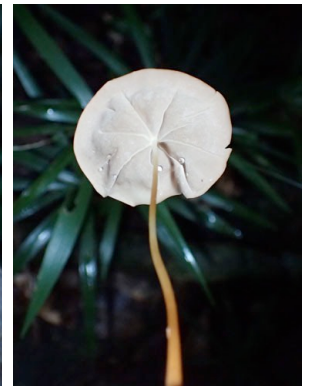
372 *Marasmius* sp. 3



373 *Marasmius* sp. 3



374 *Marasmius* sp. 4



375 *Marasmius* sp. 4



376 *Marasmius* sp. 5



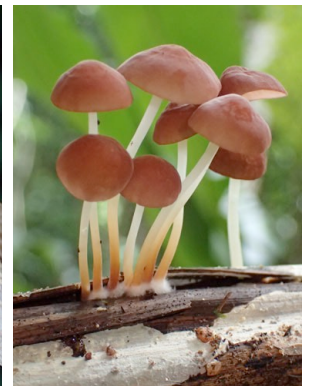
377 *Marasmius* sp. 5



378 *Marasmius* sp. 6



379 *Marasmius* sp. 6



380 *Marasmius* sp. 7

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381 *Marasmius* sp. 7



382 *Marasmius* sp. 8



383 *Marasmius* sp. 8



384 *Marasmius* sp. 9



385 *Marasmius* sp. 9



386 *Melanophyllum* sp.



387 *Melanophyllum* sp.



388 *Moniliophthora perniciososa*



389 *Moniliophthora perniciososa*



390 *Mycena* sp. 1



391 *Mycena* sp. 1



392 *Mycena* sp. 2



393 *Mycena* sp. 2



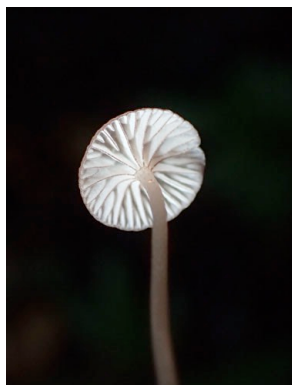
394 *Mycena* sp. 3



395 *Mycena* sp. 3



396 *Mycena* sp. 4



397 *Mycena* sp. 4



398 *Mycena* sp. 5



399 *Mycena* sp. 5



400 *Mycena* sp. 6

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401 *Mycena* sp. 6



402 *Nolanea* sp.



401 *Nolanea* sp.



404 *Oudemansiella* cf. *cubensis*



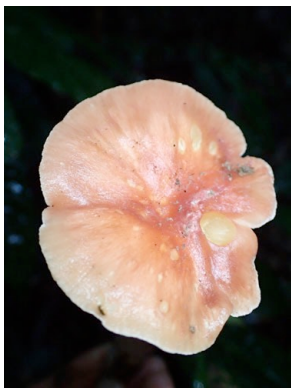
405 *Oudemansiella* cf. *cubensis*



406 *Pholiota* sp.



407 *Pholiota* sp.



408 *Phyllobolites* sp.



409 *Phyllobolites* sp.



410 *Physalacria* sp.



411 *Physalacria* sp.



412 *Ripartitella brasiliensis*



413 *Ripartitella brasiliensis*



414 *Ripartitella brasiliensis*



415 *Pluteus* sp. 1



416 *Pluteus* sp. 1



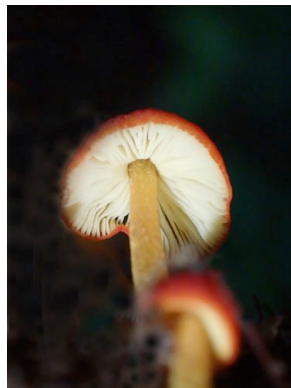
417 *Pluteus* sp. 2



418 *Pluteus* sp. 2



419 *Pluteus* sp. 3



420 *Pluteus* sp. 3

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421 *Pluteus* sp. 4



422 *Pluteus* sp. 4



423 *Pluteus* sp. 5  
(=*Volvariella*)



424 *Pluteus* sp. 5  
(=*Volvariella*)



425 *Pluteus* sp. 6  
(=*Volvariella*)



426 *Pluteus* sp. 6  
(=*Volvariella*)



427 *Pluteus* sp. 7  
(=*Volvariella*)



428 *Pluteus* sp. 7  
(=*Volvariella*)



429 *Psilocybe* sp. 1



430 *Psilocybe* sp. 1



431 *Psilocybe* sp. 2



432 *Psilocybe* sp. 2



433 *Psilocybe* cf.  
*zapotecorum*



434 *Psilocybe* cf.  
*zapotecorum*



435 *Russula puiggarii*



436 *Russula puiggarii*



437 *Russula* sp. 1



438 *Russula* sp. 1



439 *Russula* sp. 2



440 *Russula* sp. 2

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441 *Russula* sp. 3



442 *Russula* sp. 3



443 *Russula* sp. 4



444 *Russula* sp. 4



445 *Russula* sp. 5



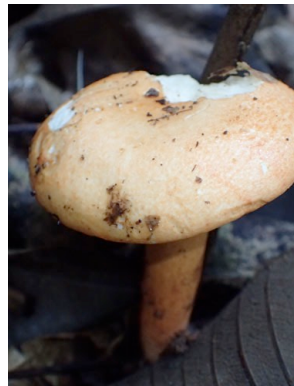
446 *Russula* sp. 5



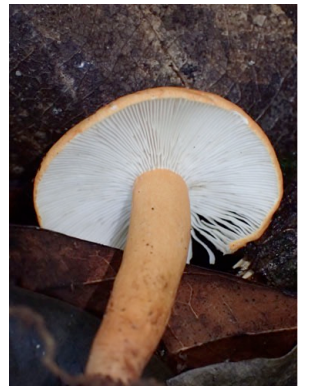
447 *Russula* sp. 6



448 *Russula* sp. 6



449 Russulaceae



450 Russulaceae



451 Strophariaceae



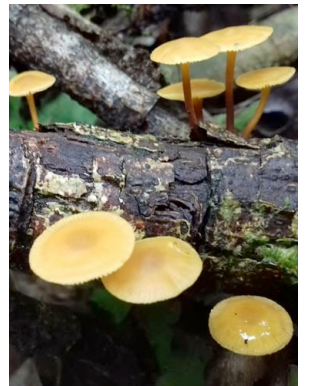
452 Strophariaceae



453 *Tapinella* sp.



454 *Tapinella* sp.



455 *Xeromphalina tenuipes*  
© Diego Ferreira



456 *Xeromphalina tenuipes*  
© Diego Ferreira



457 BOLETALES  
BASIDIOMYCOTA



458 *Phlebopus* cf.  
*brunneoruber*



459 'JELLY FUNGI'  
BASIDIOMYCOTA



460 *Auricularia cornea*

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461 *Calocera arborea*



462 *Calocera cornea*



463 *Calocera* sp. 1



464 *Calocera* sp. 2



465 *Pseudohydnum* aff. *gelatinosum*



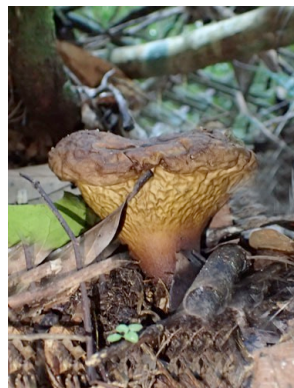
466 *Pseudohydnum* aff. *gelatinosum*



467 *Tremella dysenterica*



468 *Tremella fibulifera*



469 'GASTEROID FUNGUS' *Calvatia rugosa*



470 *Calvatia rugosa* (immature)



471 *Calvatia rugosa* (immature)



472 *Calvatia* sp. 1



473 *Calvatia* sp. 2



474 *Calvatia* sp. 3  
© Rich C. Hoyer



475 *Geastrum albonigrum*



476 *Geastrum albonigrum*



477 *Geastrum* aff. *hirsutum*



478 *Geastrum* aff. *hirsutum*



479 *Geastrum* aff. *schweinitzii*



480 *Geastrum* aff. *schweinitzii*



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481 *Geastrum* cf. *trichiferum*



482 *Geastrum* cf. *trichiferum*



483 *Geastrum* aff. *triplex*



484 *Geastrum* sp. 1



485 *Geastrum* sp. 1



486 *Geastrum* sp. 2



487 *Geastrum* sp. 2



488 *Geastrum* sp. 3



489 *Geastrum* sp. 3



490 *Lycoperdon albotipitatum*



491 *Lycoperdon* cf. *compactum*



492 *Lycoperdon* aff. *echinatum*



493 *Lycoperdon* aff. *pyriforme*



494 *Lycoperdon* aff. *pyriforme*



495 *Lycoperdon* cf. *oblongatum* (immature)



496 *Lycoperdon* cf. *oblongatum*



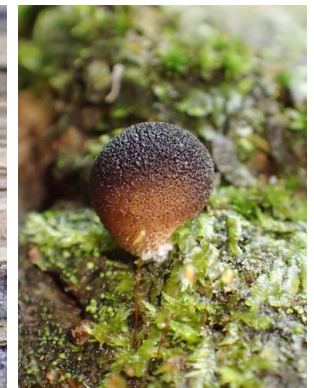
497 *Lycoperdon* cf. *oblongatum*



498 *Lycoperdon* aff. *umbrinum*



499 *Lycoperdon* sp. 1 (=Morganella)



500 *Lycoperdon* sp. 2 (=Morganella)

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501 *Lycoperdon* sp. 3  
(=*Morganella*)



502 *Mutinus argentinus*



503 *Mutinus argentinus*  
(immature)



504 *Myriostoma coliforme*



505 *Myriostoma coliforme*



506 *Phallus indusiatus*  
© João V. Fogaça Cardoso



507 *Phallus* sp.



508 *Phallus* sp.



509 *Scleroderma* cf. *duckei*



510 *Scleroderma* cf. *duckei*



511 *Scleroderma* sp. 1



512 *Scleroderma* sp. 1



513 *Scleroderma* sp. 2



514 *Scleroderma* sp. 2



515 *Tulostoma* cf. *pygmaeum*



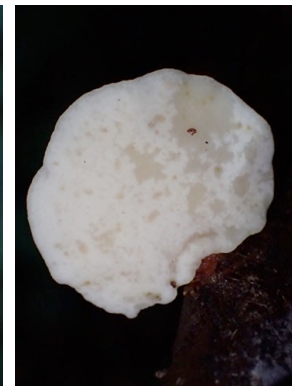
516 POLYPORALES  
BASIDIOMYCOTA



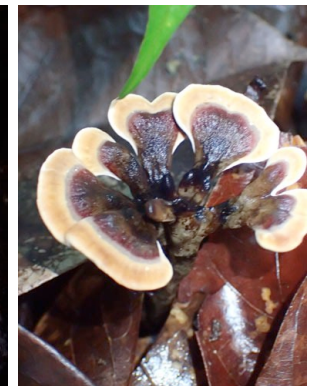
517 *Abundisporus* cf. *subflexibilis*



518 *Antrodiella* sp.



519 *Antrodiella* sp.



520 *Amauroderma* sp. 1

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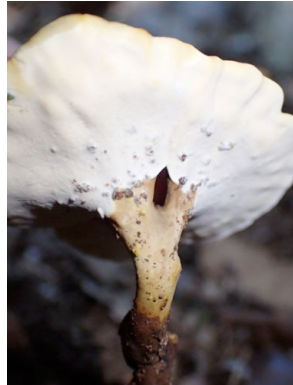
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521 *Amauroderma* sp. 1



522 *Amauroderma* sp. 2



523 *Amauroderma* sp. 2



524 *Amauroderma* sp. 3



525 *Amauroderma* sp. 3



526 *Amauroderma* sp. 4



527 *Amauroderma* sp. 4



528 *Amauroderma* sp. 5



529 *Amauroderma* sp. 5



530 *Amauroderma* sp. 6



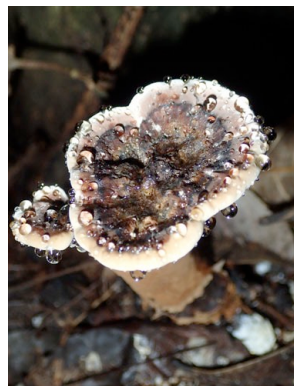
531 *Amauroderma* sp. 6



532 *Amauroderma* sp. 7



533 *Amauroderma* sp. 7



534 *Amauroderma* sp. 8



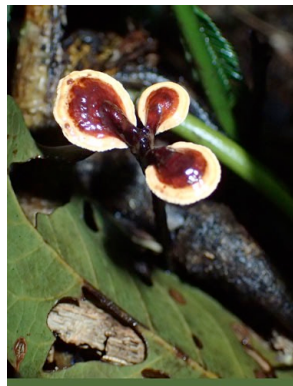
535 *Amauroderma* sp. 8



536 *Amauroderma* sp. 9



537 *Amauroderma* sp. 9



538 *Amauroderma* sp. 10



539 *Amauroderma* sp. 10



540 *Amauroderma* sp. 11

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541 *Amauroderma* sp. 11



542 *Cerrena sclerodepsis*



543 *Cerrena sclerodepsis*



544 *Cyclomyces* cf. *iodinus*



545 *Cyclomyces* cf. *iodinus*



546 cf. *Echinochaete brachypora*



547 cf. *Echinochaete brachypora*



548 *Flabellophora obovata*



549 *Flabellophora obovata*



550 *Fomes fasciatus*



551 *Fomes fasciatus*



552 *Ganoderma* sp. 1



553 *Ganoderma* sp. 1



554 *Ganoderma* sp. 2



555 *Ganoderma* sp. 2



556 *Ganoderma* sp. 3  
© Clara Sax



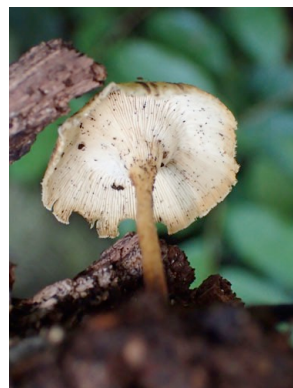
557 *Ganoderma* sp. 4



558 *Ganoderma* sp. 4



559 *Lentinus* sp. 1



560 *Lentinus* sp. 1

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561 *Lentinus* sp. 2



562 *Lentinus* sp. 2



563 *Microporellus* sp.



564 *Microporellus* sp.



565 *Neofavolus* aff. *alveolaris*



566 *Neofavolus* aff. *alveolaris*



567 *Panus neostrigosus*



568 *Panus neostrigosus*



569 *Phellinus* sp. 1



570 *Phellinus* sp. 1



571 *Phellinus* sp. 2



572 *Phellinus* sp. 2



573 *Phellinus* sp. 3



574 *Phellinus* sp. 3



575 *Phellinus* sp. 4



576 *Phellinus* sp. 4



577 '*Polyporus* aff. *brittonii*' (= *Laetiporus persicinus*)



578 '*Polyporus* aff. *brittonii*' (= *Laetiporus persicinus*)



579 *Polyporus* cf. *udus*



580 *Polyporus* cf. *udus*

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581 *Polyporus* sp. 1



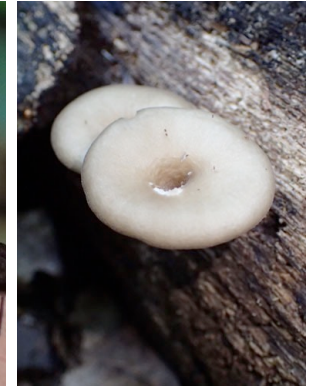
582 *Polyporus* sp. 1



581 *Polyporus* sp. 2



581 *Polyporus* sp. 2



585 *Polyporus* sp. 3



586 *Polyporus* sp. 3



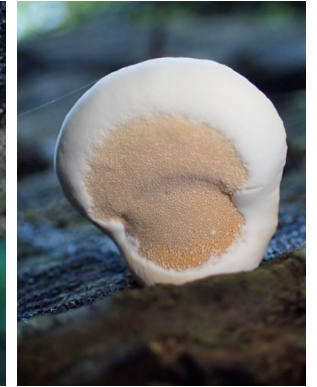
587 *Polyporus* sp. 4



588 *Polyporus* sp. 4



589 *Rigidoporus* sp. 1



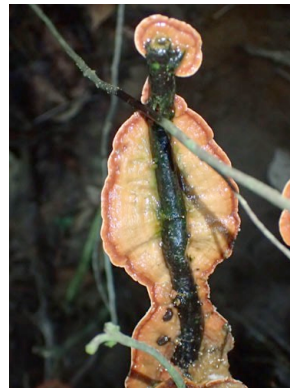
590 *Rigidoporus* sp. 1



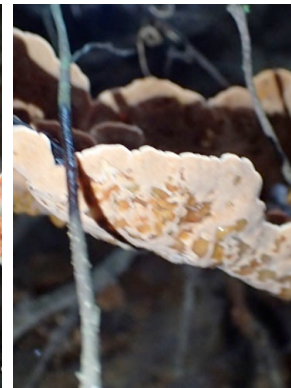
591 *Rigidoporus* sp. 2



592 *Rigidoporus* sp. 2



593 *Rigidoporus* sp. 3



594 *Rigidoporus* sp. 3



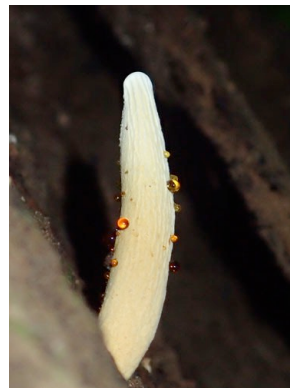
595 *Stiptophyllum erubescens* © Gilmar Giraldelli



596 *Stiptophyllum erubescens* © Gilmar Giraldelli



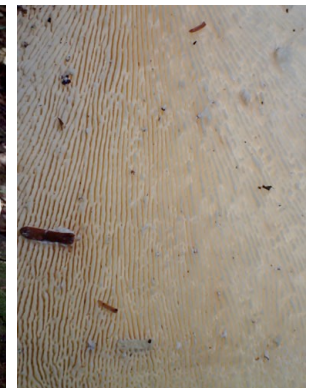
597 *Stiptophyllum erubescens* © Gilmar Giraldelli



598 *Stiptophyllum erubescens* (immature)



599 *Trametes elegans*

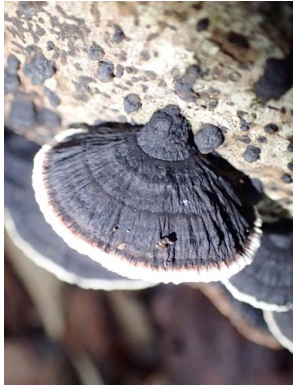


600 *Trametes elegans*

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601 *Trametes* sp.



602 *Trametes* sp.



603 *Trichaptum perrottetii*



604 *Trichaptum perrottetii*



605 Other BASIDIOMYCOTA  
*Cymatoderma sclerotioides*



606 *Cymatoderma sclerotioides*



607 *Cymatoderma sclerotioides*



608 *Cymatoderma* sp. 1



609 *Cymatoderma* sp. 1



610 *Podoscypha* sp. 1



611 *Podoscypha* sp. 1



612 *Podoscypha* sp. 2



613 *Podoscypha* sp. 2



614 *Sarcodon* sp.



615 *Sarcodon* sp.



616 *Stereum*  
cf. *versicolor*



617 *Stereum*  
cf. *versicolor*



618 *Trechispora thelephora*  
(= *Hydnodon telephorus*)



619 *Trechispora thelephora*  
(= *Hydnodon telephorus*)



620 CLAVARIOID  
*Artomyces* aff. *pyxidatus*

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621 *Clavaria fragilis*



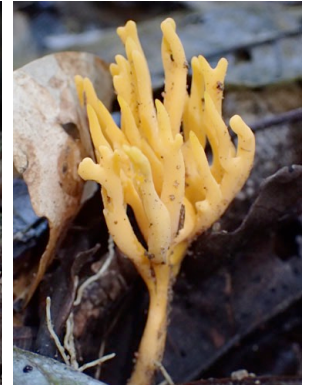
622 *Clavaria neofossicola*



623 *Clavaria schaefferi*



624 *Clavulinopsis* aff. *aurantiocinnabarina*



625 *Clavulinopsis corniculata*



626 *Clavulinopsis* aff. *corniculata*



627 *Clavulinopsis laeticolor*



627 *Lachnocladium* cf. *brasiliense*



629 *Lachnocladium denudatum*



630 *Lachnocladium* cf. *furcellatum*



631 *Lachnocladium* aff. *ulei*



632 *Lachnocladium* sp. 1



633 *Lachnocladium* sp. 2



634 *Lentaria* sp.



635 *Macrotyphula juncea*



636 *Phaeoclavulina* aff. *insignis*



637 *Phaeoclavulina* aff. *ochracea*



638 *Pterula* aff. *juruensis*



639 *Pterula moniliformis* (from ant garden)



640 *Pterula* cf. *stipata*



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641 *Pterula* sp. 1



642 *Pterula* sp. 2



643 *Pterula* sp. 3



644 *Ramaria* aff. *gracilis*



645 *Ramaria* cf. *pseudogracilis*



646 *Ramaria* sp. 1



647 *Ramaria* sp. 2



648 *Ramariopsis crocea*



649 *Ramariopsis* sp.



650 *Scytinopogon pallescens* 1



651 *Scytinopogon pallescens* 2



652 *Tremellodendropsis tuberosa*



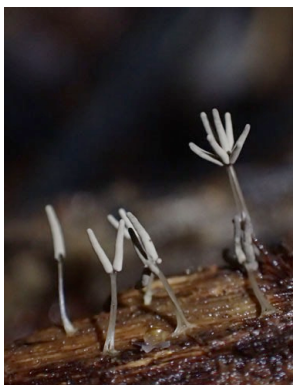
653 *Typhula* sp. 1



654 *Typhula* sp. 2



655 **MYXOGASTRIA** *Arcyria cinerea*



656 *Arcyria cinerea* var. *digitata*



657 *Arcyria denutata*



658 *Ceratiomyxa fruticulosa* var. *arbuscula*



659 *Ceratiomyxa fruticulosa* var. *descendens*



660 *Ceratiomyxa fruticulosa* var. *flexuosa*

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661 *Ceratiomyxa morchella*



662 *Hemitrichia calyculata*



663 *Physarum polycephalum*



#### The Cristalino Fungi Project

The Cristalino Fungi Project was established by Fundação Ecológica Cristalino in July 2015 to gain a better understanding about the fungi of Reserva Particular do Patrimônio Natural Cristalino and the Southern Amazon basin. The Cristalino Fungi Project intends to promote mycology among the general public and to create awareness for the need of the conservation of fungi. <http://www.fundacaocristalino.org.br>

#### Reserva Particular do Patrimônio Natural Cristalino

The Reserva Particular do Patrimônio Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. This area is heavily endangered by human activities such as deforestation and intensive agriculture. RPPN Cristalino itself serves as an important wildlife corridor and sanctuary for the many endemic species or endangered species of animals, plants and fungi. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation on sandstone outcrops. While the soils are generally sandy, the Rio Cristalino is classified as a clearwater rather than a blackwater river. Some ectomycorrhizal trees in the Mimosidae, Nyctaginaceae and Polygonaceae form symbioses with fungi in the Amanitaceae, Boletales, Russulales, and Thelephorales and are scattered through terra firma forest. Stands dominated by *Coccoloba* (Polygonaceae) are found on higher ground near oxbow lakes and varzea forest while stands with abundant *Pisonia* trees (Nyctaginaceae) are found on rocky outcrops.



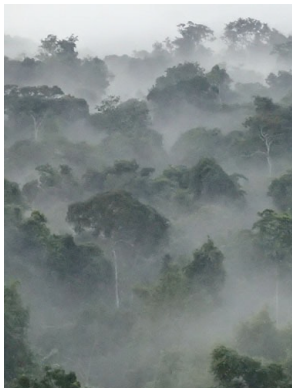
664 *Physarum polycephalum*



665 *Physarum cf. viride*



666 *Tubifera microsperma*



667 RPPN Cristalino



668 Terra firme forest



669 Seasonally dry forest

#### Affiliation

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#### Notice

A large number of fungi in this guide were not analyzed microscopically and identification of genus and species were based on photographs.

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670 RPPN Cristalino