

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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)



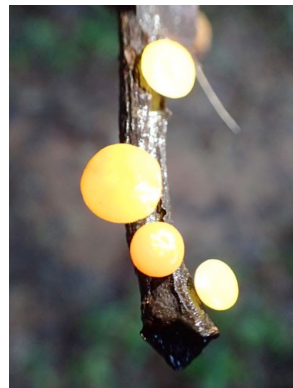
17 *Cordyceps* aff. *spegazzinii* (on beetle grub)



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



19 *Cordycipitaceae* (on beetle grub)



20 *Dicephalospora rufocornea*

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 Trierweiler Pereira and Julia Simon Cardoso

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajos and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



21 *Dicephalospora rufocornea*



22 Geoglossaceae



23 *Gibellula* sp. 1 (on spider)



24 *Gibellula* sp. 2 (on spider)



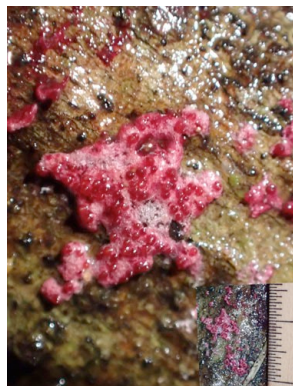
25 *Hypocrella disciformis*



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)

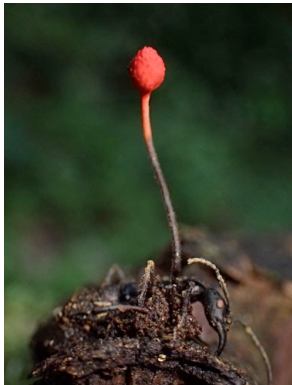
Volume 2: FUNGI of Reserva Particular do Patrimônio Natural do Cristalino

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajos and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



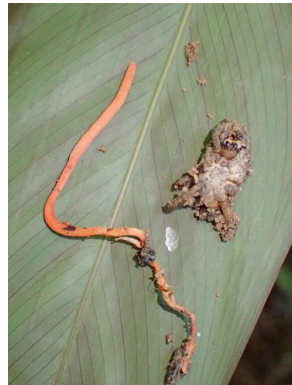
41 *Nigelia martiale*
(on beetle grub)



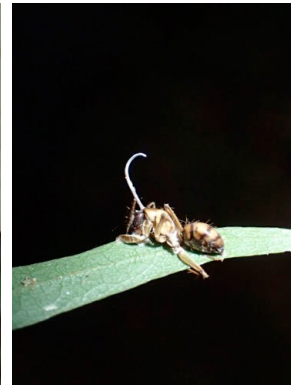
42 *Ophiocordyceps australis*
(on *Pachycondyla* ant)



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)



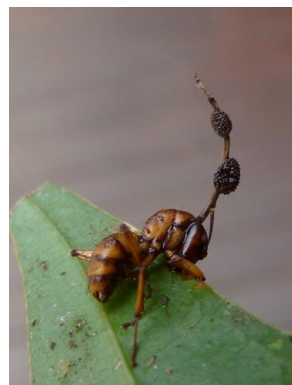
56 *Ophiocordyceps* aff. *pentatomae*
(on stink bug)



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)

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 Trierweiler Pereira and Julia Simon Cardoso

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajos and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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*

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 Trierweiler Pereira and Julia Simon Cardoso

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajos and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



81 *Xylaria microceras*



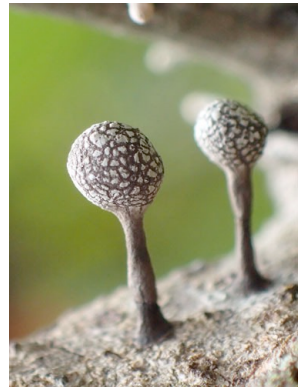
82 *Xylaria* cf. *tentaculata*



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*

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 Trierweiler Pereira and Julia Simon Cardoso

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajos and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajos and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



121 *Coprinopsis* sp. 2



122 *Coprinopsis* sp. 2



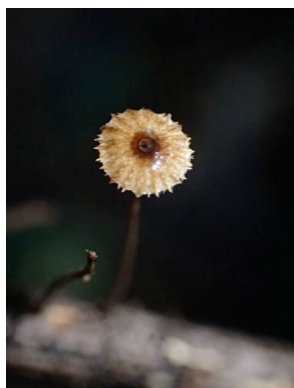
123 *Coprinopsis* sp. 3



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.



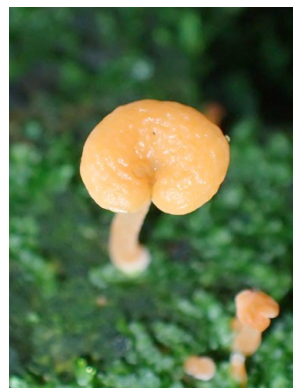
137 *Echinoderma* sp.



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



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



140 *Favolaschia* sp. 1

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajos and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



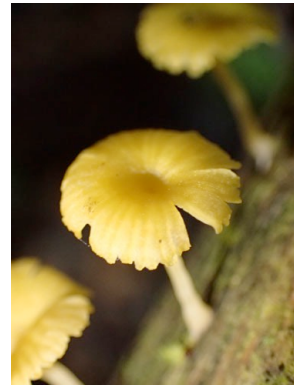
141 *Favolaschia* sp. 1



142 *Favolaschia* sp. 2



143 *Favolaschia* sp. 2



144 *Gerronema* cf. *icterinum*



145 *Gerronema* cf. *icterinum*



146 *Gerronema strobodes*



147 *Gerronema strobodes*



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

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajos and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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*



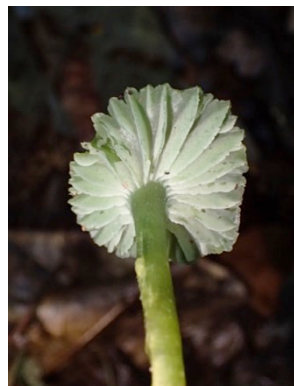
171 *Hygroaster* sp.



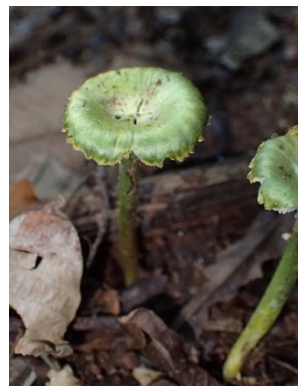
172 *Hygroaster* sp.



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*

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajos and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



181 *Hygrocybe* cf. *melleofusca*



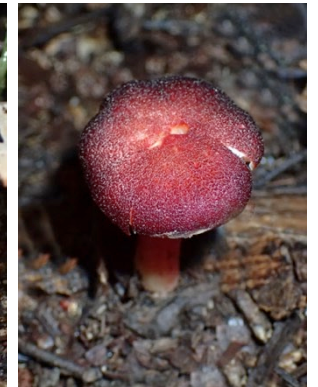
182 *Hygrocybe* cf. *melleofusca*



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*



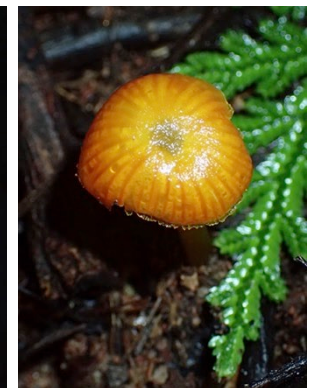
192 *Hygrocybe* cf. *noninquans*



193 *Hygrocybe occidentalis* 'clade' 1



194 *Hygrocybe occidentalis* 'clade' 1



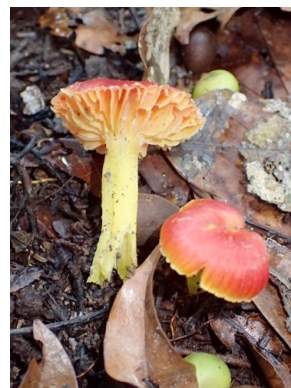
195 *Hygrocybe occidentalis* 'clade' 2



196 *Hygrocybe occidentalis* 'clade' 2



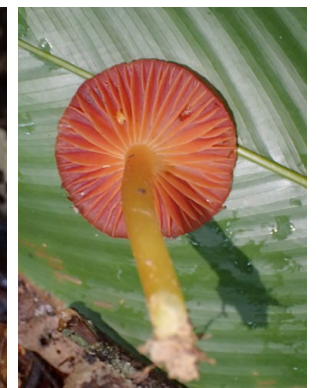
197 *Hygrocybe occidentalis* 'clade' 3



198 *Hygrocybe occidentalis* 'clade' 3



199 *Hygrocybe occidentalis* 'clade' 4



200 *Hygrocybe occidentalis* 'clade' 4

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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



202 *Hygrocybe* sect. *Firmae*



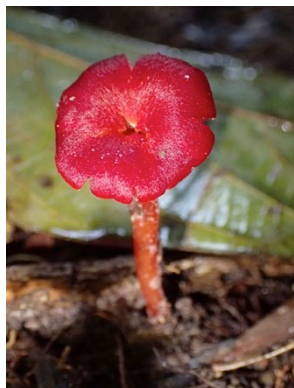
203 *Hygrocybe* sect. *Firmae*



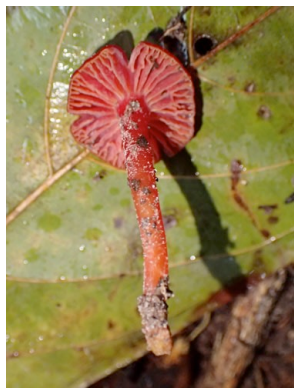
204 *Hygrocybe* sect. *Pseudofirmae* sp. 1



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



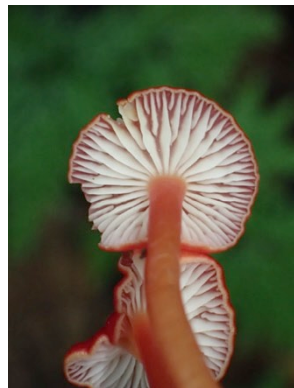
216 *Hygrocybe* subsect. *Macrospora*



217 *Hygrocybe* subsect. *Macrospora*



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



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



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

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

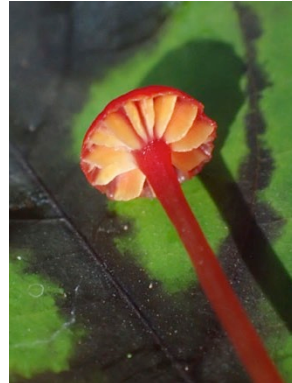
The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajos and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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



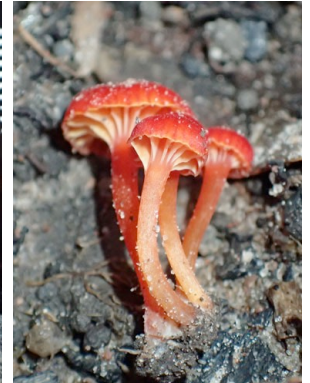
222 *Hygrocybe* subsect. *Squamulosae* sp. 3



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



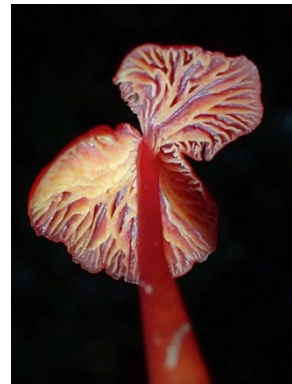
224 *Hygrocybe* subsect. *Squamulosae* sp. 4



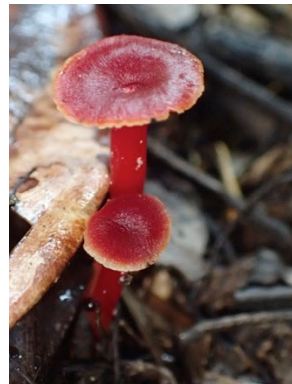
225 *Hygrocybe* subsect. *Squamulosae* sp. 4



226 *Hygrocybe* sp. 1



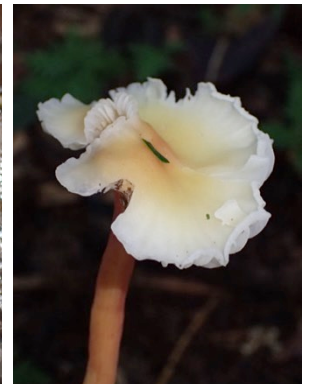
227 *Hygrocybe* sp. 1



228 *Hygrocybe* sp. 2



229 *Hygrocybe* sp. 2



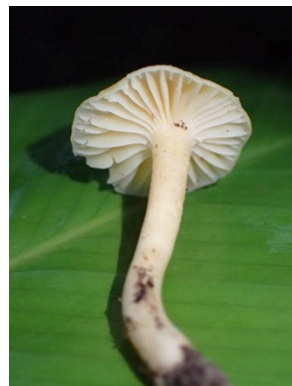
230 *Hygrocybe* sp. 3



231 *Hygrocybe* sp. 3



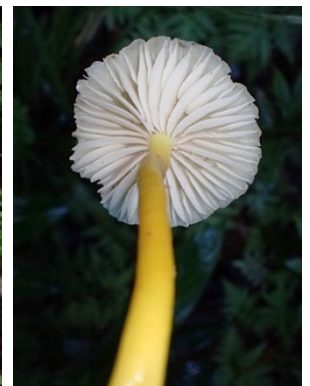
232 *Hygrocybe* sp. 4



233 *Hygrocybe* sp. 4



234 *Hygrocybe* sp. 5



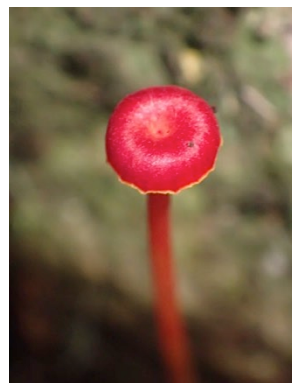
236 *Hygrocybe* sp. 5



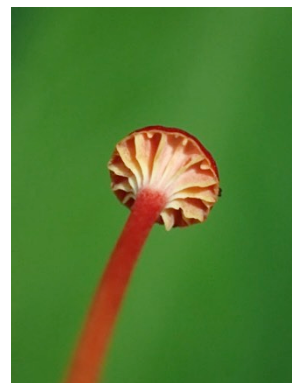
236 *Hygrocybe* aff. *trinitensis*



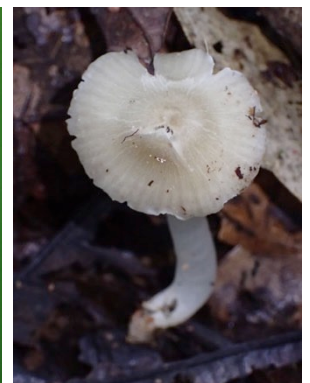
237 *Hygrocybe* aff. *trinitensis*



238 *Hygrocybe trinitensis* 'clade'



239 *Hygrocybe trinitensis* 'clade'



240 Hygrocybeaceae sp. 1

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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



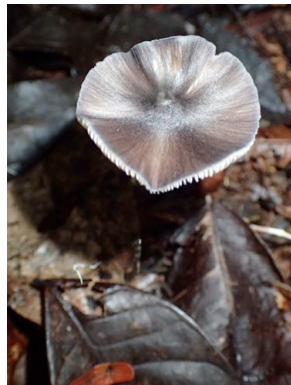
247 *Inocephalus azureoviridis* group 1



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

Cristalino Lodge, RPPN Cristalino, Alta Floresta, Mato Grosso, BRAZIL
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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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*



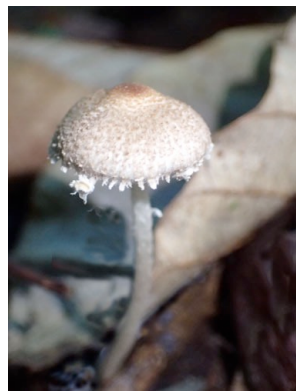
271 *Lentinula* cf. *raphanica*



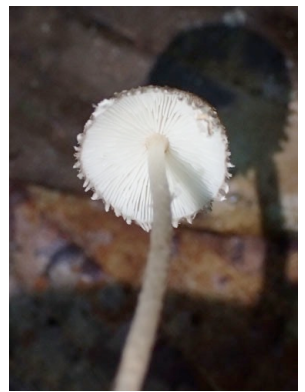
272 *Lepiota* sp. 1



273 *Lepiota* sp. 1



274 *Lepiota* sp. 2



275 *Lepiota* sp. 2



276 *Lepiota* sp. 3



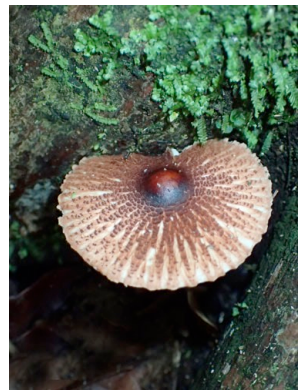
277 *Lepiota* sp. 3



278 *Lepiota* sp. 4



279 *Lepiota* sp. 4



280 *Lepiota* sp. 5

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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



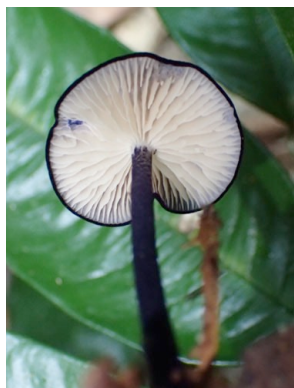
294 *Leptonia* sp. 1



295 *Leptonia* sp. 1



296 *Leptonia* sp. 2



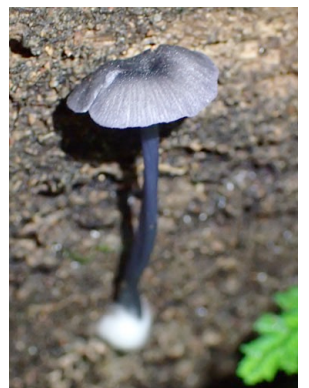
297 *Leptonia* sp. 2



298 *Leptonia* subg.
cyanula 1



299 *Leptonia* subg.
cyanula 1



300 *Leptonia* subg.
cyanula 2

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajos and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



301 *Leptonia* subg. *cyanula* 2



302 *Leucoagaricus* *americanus* group



303 *Leucoagaricus* *americanus* group



304 *Leucoagaricus* sp.



305 *Leucoagaricus* sp.



306 *Leucocoprinus* cf. *longistriatus*



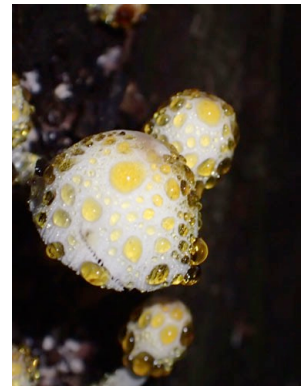
307 *Leucocoprinus* cf. *longistriatus*



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*

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajos and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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



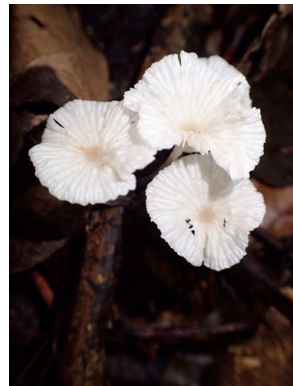
330 *Marasmiellus* sp. 1



331 *Marasmiellus* sp. 2



332 *Marasmiellus* sp. 2



333 *Marasmiellus* sp. 3



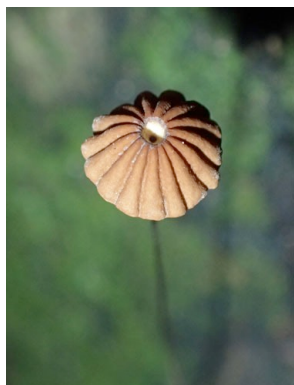
334 *Marasmiellus* sp. 3



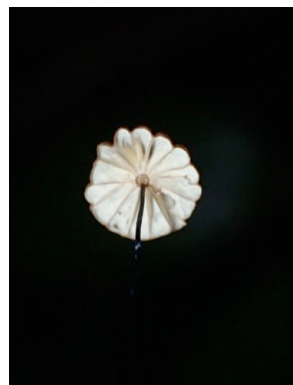
335 *Marasmius* cf. *bambusiniformis* (Singer 1976)



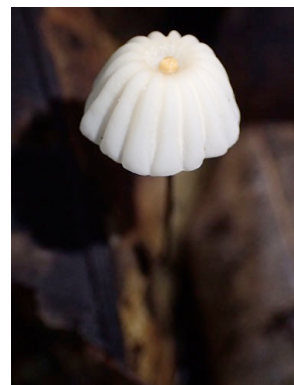
336 *Marasmius* cf. *bambusiniformis* (Singer 1976)



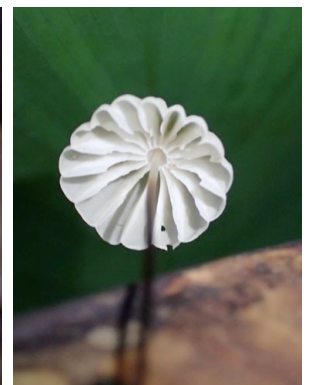
337 *Marasmius* cf. *boliviae*



338 *Marasmius* cf. *boliviae*



339 *Marasmius castellanoi*



340 *Marasmius castellanoi*

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



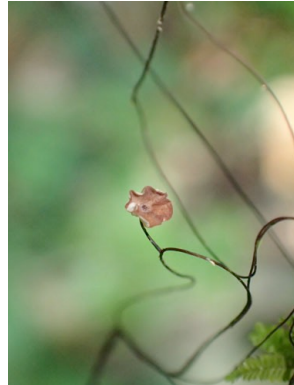
341 *Marasmius* aff. *conquistensis* (Singer 1976)



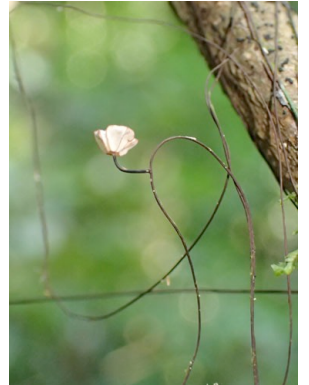
342 *Marasmius* aff. *conquistensis* (Singer 1976)



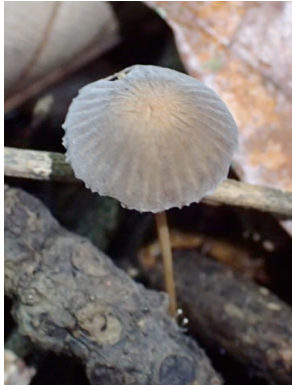
343 *Marasmius* aff. *conquistensis* (Singer 1976)



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*



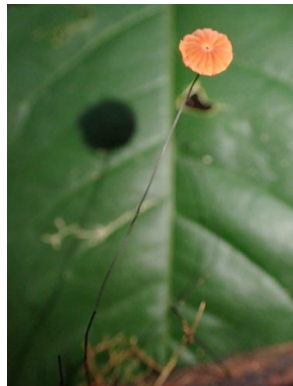
350 *Marasmius* cf. sect. *Globulares*



351 *Marasmius* cf. sect. *Globulares*



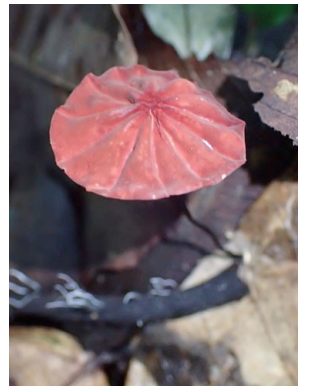
352 *Marasmius* cf. sect. *Globulares*



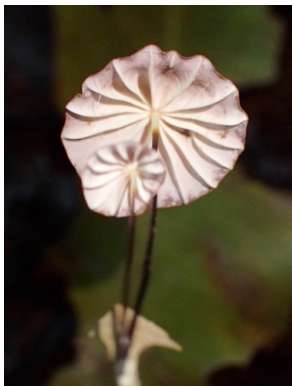
353 *Marasmius* cf. *foliicola* (Singer 1976)



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



355 *Marasmius haematocephalus* complex sp. 1



356 *Marasmius haematocephalus* complex sp. 1



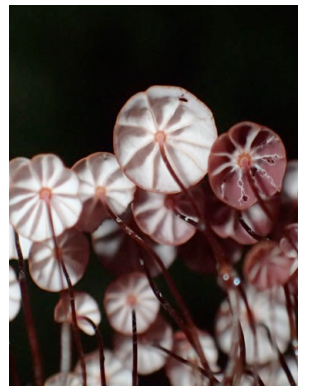
357 *Marasmius haematocephalus* complex sp. 2



358 *Marasmius haematocephalus* complex sp. 2



359 *Marasmius haematocephalus* complex sp. 3

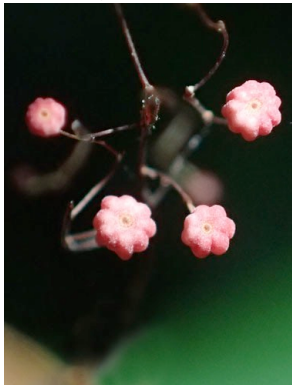


360 *Marasmius haematocephalus* complex sp. 3

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 Trierweiler Pereira and Julia Simon Cardoso

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



361 *Marasmius microdendron*



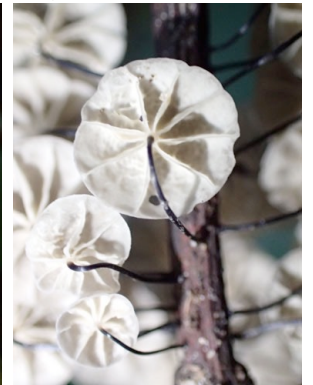
362 *Marasmius microdendron*



363 *Marasmius microdendron*



364 *Marasmius* aff. *rotalis*



365 *Marasmius* aff. *rotalis*



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



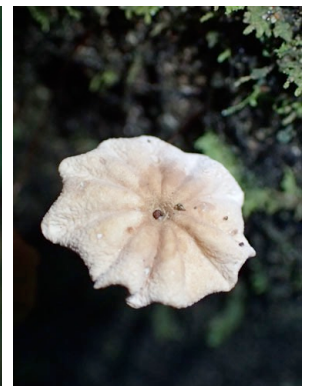
367 *Marasmius* aff. *sierraeleonis* Beeli (Antonín 2007)



368 *Marasmius* aff. *tucumanus*



369 *Marasmius* aff. *tucumanus*



370 *Marasmius* sp. 1



371 *Marasmius* sp. 1



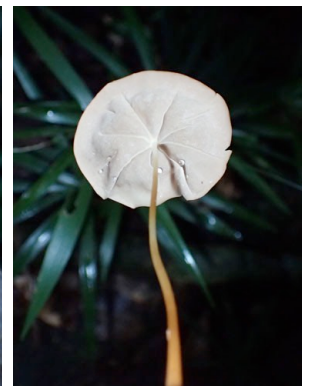
372 *Marasmius* sp. 3



373 *Marasmius* sp. 3



374 *Marasmius* sp. 4



375 *Marasmius* sp. 4



376 *Marasmius* sp. 5



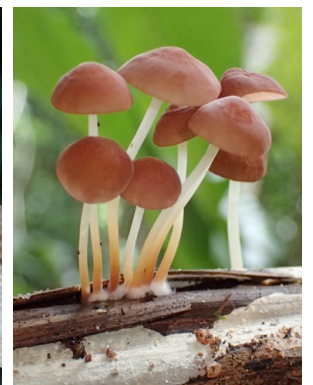
377 *Marasmius* sp. 5



378 *Marasmius* sp. 6



379 *Marasmius* sp. 6



380 *Marasmius* sp. 7

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 Trierweiler Pereira and Julia Simon Cardoso

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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



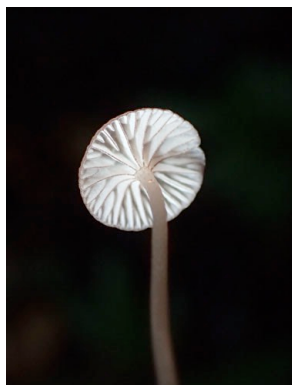
394 *Mycena* sp. 3



395 *Mycena* sp. 3



396 *Mycena* sp. 4



397 *Mycena* sp. 4



398 *Mycena* sp. 5



399 *Mycena* sp. 5



400 *Mycena* sp. 6

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajos and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



401 *Mycena* sp. 6



402 *Nolanea* sp.



401 *Nolanea* sp.



404 *Oudemansiella* cf. *cubensis*



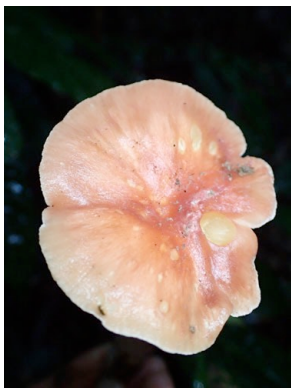
405 *Oudemansiella* cf. *cubensis*



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



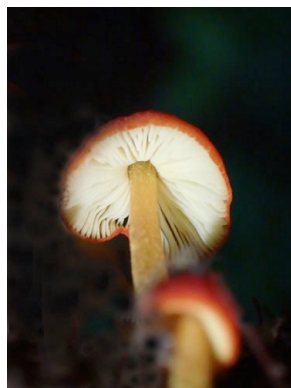
417 *Pluteus* sp. 2



418 *Pluteus* sp. 2



419 *Pluteus* sp. 3



420 *Pluteus* sp. 3

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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*)



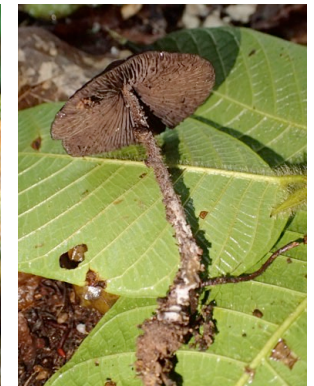
427 *Pluteus* sp. 7
(=*Volvariella*)



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

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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*

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajos and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



461 *Calocera arborea*



462 *Calocera cornea*



463 *Calocera* sp. 1



464 *Calocera* sp. 2



465 *Pseudohydnum* aff. *gelatinosum*



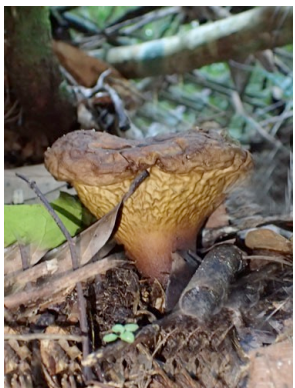
466 *Pseudohydnum* aff. *gelatinosum*



467 *Tremella dysenterica*



468 *Tremella fibulifera*



469 'GASTEROID FUNGI' *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*

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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*



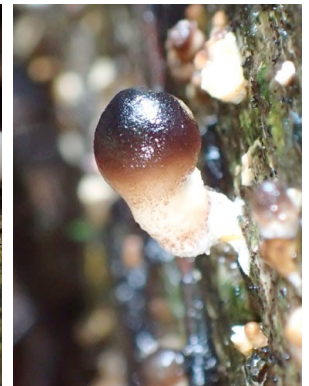
492 *Lycoperdon* aff. *echinatum*



493 *Lycoperdon* aff. *pyriforme*



494 *Lycoperdon* aff. *pyriforme*



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



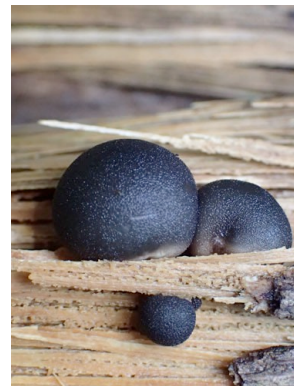
496 *Lycoperdon* cf. *oblongatum*



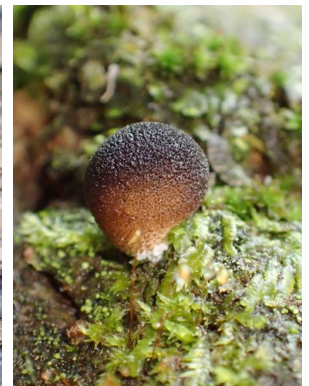
497 *Lycoperdon* cf. *oblongatum*



498 *Lycoperdon* aff. *umbrinum*



499 *Lycoperdon* sp. 1 (=Morganella)



500 *Lycoperdon* sp. 2 (=Morganella)

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 Trierweiler Pereira and Julia Simon Cardoso

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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



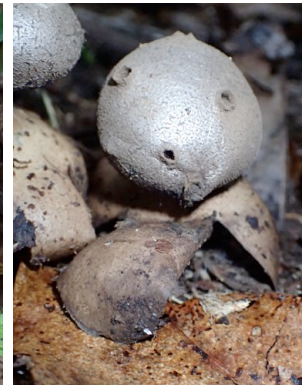
502 *Mutinus argentinus*



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



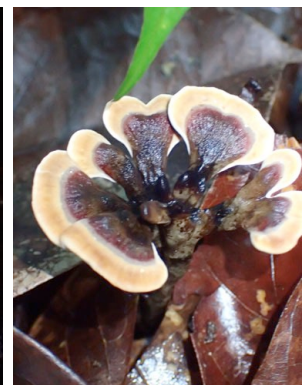
517 *Abundisporus* cf. *subflexibilis*



518 *Antrodiella* sp.



519 *Antrodiella* sp.



520 *Amauroderma* sp. 1

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

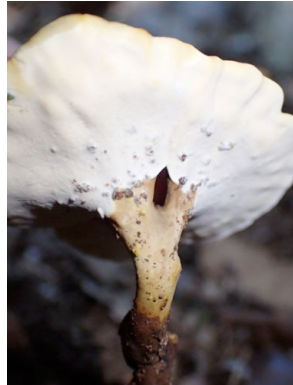
The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajos and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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



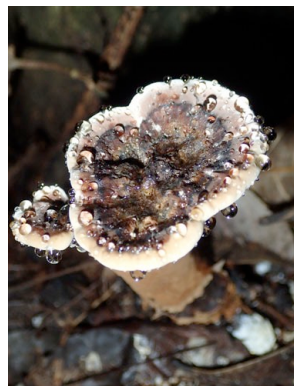
531 *Amauroderma* sp. 6



532 *Amauroderma* sp. 7



533 *Amauroderma* sp. 7



534 *Amauroderma* sp. 8



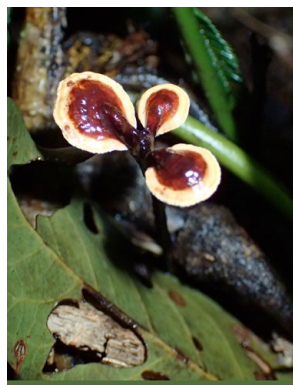
535 *Amauroderma* sp. 8



536 *Amauroderma* sp. 9



537 *Amauroderma* sp. 9



538 *Amauroderma* sp. 10



539 *Amauroderma* sp. 10



540 *Amauroderma* sp. 11

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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



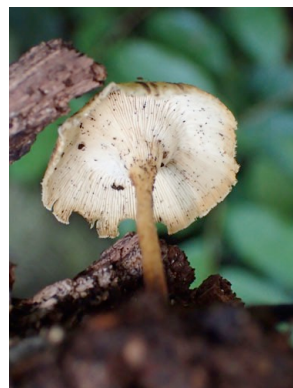
557 *Ganoderma* sp. 4



558 *Ganoderma* sp. 4



559 *Lentinus* sp. 1



560 *Lentinus* sp. 1

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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*

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



581 *Polyporus* sp. 1



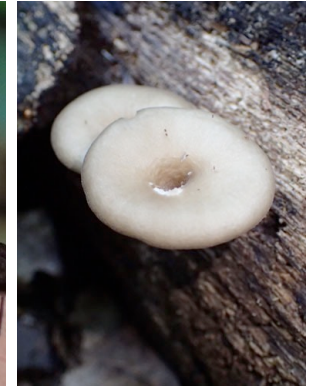
582 *Polyporus* sp. 1



581 *Polyporus* sp. 2



581 *Polyporus* sp. 2



585 *Polyporus* sp. 3



586 *Polyporus* sp. 3



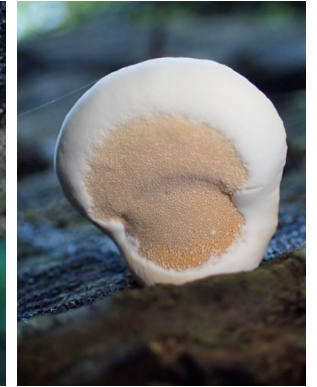
587 *Polyporus* sp. 4



588 *Polyporus* sp. 4



589 *Rigidoporus* sp. 1



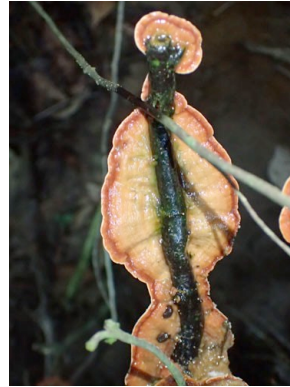
590 *Rigidoporus* sp. 1



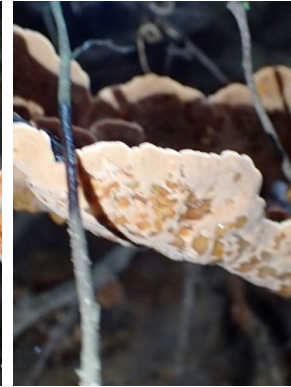
591 *Rigidoporus* sp. 2



592 *Rigidoporus* sp. 2



593 *Rigidoporus* sp. 3



594 *Rigidoporus* sp. 3



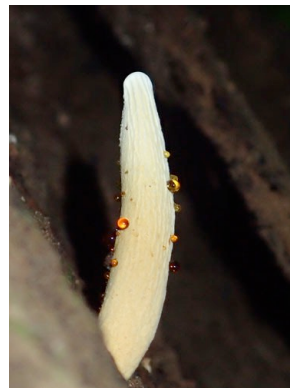
595 *Stiptophyllum erubescens* © Gilmar Giraldelli



596 *Stiptophyllum erubescens* © Gilmar Giraldelli



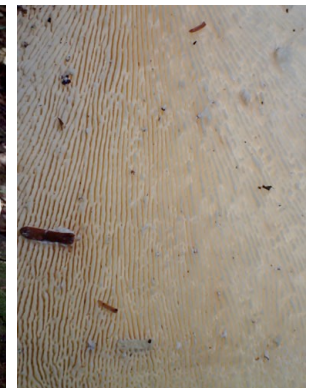
597 *Stiptophyllum erubescens* © Gilmar Giraldelli



598 *Stiptophyllum erubescens* (immature)



599 *Trametes elegans*

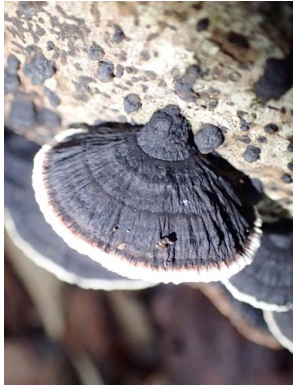


600 *Trametes elegans*

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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*

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



621 *Clavaria fragilis*



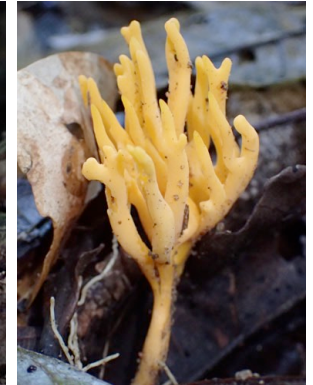
622 *Clavaria neofossicola*



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*

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by: Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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*



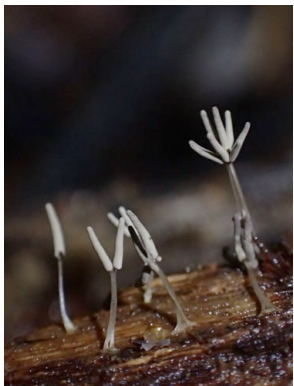
653 *Typhula* sp. 1



654 *Typhula* sp. 2



655 **MYXOGASTRIA**
Arcyria cinerea



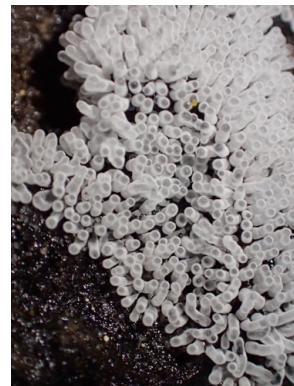
656 *Arcyria cinerea* var. *digitata*



657 *Arcyria denutata*



658 *Ceratiomyxa fruticulosa* var. *arbuscula*



659 *Ceratiomyxa fruticulosa* var. *descendens*



660 *Ceratiomyxa fruticulosa* var. *flexuosa*

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

The Reserva Particular do Patrimônio do Natural Cristalino protects an evergreen forest in the southern Amazon Basin between the upper reaches of the Tapajós and Xingu rivers. The habitats include tall upland Amazonian terra firme forest, stands of native bamboo, seasonally-flooded varzea forest and cerrado vegetation. Photos by S. Sourell, except where indicated. Produced by Susanne Sourell with support from Fundação Ecológica Cristalino, Vitória da Riva Carvalho, Diego Ferreira, Rich C. Hoyer, Sara Caioni, Ricardo Da Silva Ribeiro, UNEMAT, HERBAM, Baden-Württembergisches Brasilien-Zentrum der Universität Tübingen and The Field Museum, Chicago, USA [susanne.sourell@yahoo.com] [fieldguides.fieldmuseum.org] [1047] version 1 7/2018



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.

Affiliation

Susanne Sourell, The Cristalino Fungi Project, Fundação Ecológica Cristalino, Alta Floresta, MT, Brazil; Dra. D. Jean Lodge, USDA Forest Service, Northern Research Station, PO Box 1377, Luquillo, PR and Depts. of Plant Pathology and Plant Sciences, University of Georgia, Athens, GA, USA; Dr. João P.M. Araújo, Department of Entomology, Pennsylvania State University, USA; Dr. Timothy J. Baroni, Department of Biological Sciences, PO Box 2000, State University of New York - College at Cortland, Cortland, NY 13045, USA; Dra. Priscila Chaverri, Department of Plant Science and Landscape Architecture, University of Maryland, Maryland 20742, U.S.A. and Escuela de Biología and Centro de Investigaciones en Productos Naturales (CIPRONA), Universidad de Costa Rica, San José, Costa Rica; Ariadne N. Marinho Furtado, Laboratório de Micologia, PO Box 476, Depart. de Botânica, Universidade Federal de Santa Catarina, Florianópolis, Brazil; Dra. Tatiana B. Gibertoni, Centro de Biociências (CB), Departamento de Micologia, Universidade Federal de Pernambuco, Recife, PE, Brazil; Dra. Fernanda Karstedt, formerly affiliated Pós-graduação em Biodiversidade Vegetal e Meio Ambiente, Instituto de Botânica, Núcleo de Pesquisa em Micologia, 04045-902 São Paulo, SP, Brazil; Dr. Jadson J.S. Oliveira, Programa de Pós-Graduação em Botânica, Instituto Nacional de Pesquisas da Amazônia, Manaus, AM, 69067375, Brazil; Dra. Larissa Trierveiler Pereira, Bolsista de Pós-Doutorado, Núcleo de Pesquisa em Micologia, Instituto de Botânica, CEP 04301-902, São Paulo, SP, Brazil; Julia Simon Cardoso, Programa de Pós-Graduação em Botânica, Instituto Nacional de Pesquisas da Amazônia, Manaus, AM, 69067375, Brazil.

Notice

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



661 *Ceratiomyxa morchella*



662 *Hemitrichia calyculata*



663 *Physarum polycephalum*



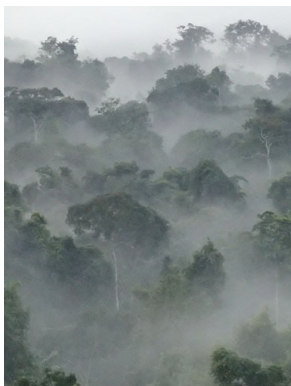
664 *Physarum polycephalum*



665 *Physarum cf. viride*



666 *Tubifera microsperma*



667 RPPN Cristalino



668 Terra firme forest



669 Seasonally dry forest

Acknowledgements

We thank for the support received and identifications made by: Renato Mendes Alvarenga, Felipe Bittencourt, Caio Ambrósio Leal Dutra, Guiseppe Estrela Dourado, Celeste Heisecke, Arian Blank Farid, Patty Kaishian, Ryan Kepler, Gerhard Kost, Altielys Casale Magnago, André de Meijer, Maria Alice Neves, Danny Newman, Davide Puddu, Tatiana Sanjuan, Alexandre Santos, Marc Stadler, Rodham Tuloss, Salomé Urrea Valencia, Aida Marcela Vasco, Björn Wergen and Mauro Westphalen. Further we are especially grateful to Célia Regina Araújo Soares Lopes of Universidade do Estado de Mato Grosso (UNEMAT) and Herbário da Amazônia Meridional (HERBAM) for the efforts to realize the project with Fundação Ecológica Cristalino as well as Diego Ferreira da Silva, Sara Mineli Caioni Cardoso and Ricardo Da Silva Ribeiro of UNEMAT for their valuable contributions to the project. Many thanks to Cristalino Lodge for providing accomodation and to Francisco Carvalho Souza and Sebastião Delaide Mendes for the assistance in the field.



670 RPPN Cristalino