

Macrofungi of the Floresta Nacional do Tapajós

Marcos Diones Ferreira Santana, Douglas de Moraes Couceiro & Sheyla Regina Marques Couceiro
 Universidade Federal do Oeste do Pará (UFOPA), Instituto de Ciências e Tecnologia das Águas (ICTA)

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Abbreviations: Ascomycota (A), Basidiomycota (B).

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Floresta Nacional do Tapajós, Km 67 of the BR-163 highway, PA, Brazil.

Tapajós National Forest (Floresta Nacional do Tapajós) is a protected area that occupies approximately 5491 km² in the state of Pará, Brazil (2°45' and 4°10' S; 54°45' and 55°30' W). Climate in the region is hot and humid, with an average annual temperature of 25.5°C. The dry season is from July to November and the rainy season from January to June. Local relief is rolling to hilly, and the dominant soils are Dystrophic Yellow Latosols. The vegetation is classified as dense ombrophilous forest, dominated by large trees and an abundance of woody lianas, palms, and epiphytes.



1 *Camillea cyclops*
 (A) Xylariales, Graphostromataceae



2 *Camillea leprieurii*
 (A) Xylariales, Graphostromataceae



3 *Camillea leprieurii*
 (A) Xylariales, Graphostromataceae



4 *Cookeina tricholoma*
 (A) Pezizales, Sarcoscyphaceae



5 *Cookeina speciosa*
 (A) Pezizales, Sarcoscyphaceae



6 *Cookeina speciosa*
 (A) Pezizales, Sarcoscyphaceae



7 *Cookeina speciosa*
 (A) Pezizales, Sarcoscyphaceae



8 *Poronia cf. pileiformis*
 (A) Xylariales, Xylariaceae



9 *Poronia cf. pileiformis*
 (A) Xylariales, Xylariaceae



10 *Poronia cf. pileiformis*
 (A) Xylariales, Xylariaceae



11 *Thamnomycetes cf. dendroidea*
 (A) Xylariales, Hypoxylaceae



12 *Xylaria polymorpha*
 (A) Xylariales, Xylariaceae

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13 *Xylaria cf. telfairii*
(A) Xylariales, Xylariaceae



14 *Xylaria sp. 1*
(A) Xylariales, Xylariaceae



15 *Xylaria sp. 2*
(A) Xylariales, Xylariaceae



16 *Xylaria sp. 3*
(A) Xylariales, Xylariaceae



17 *Xylaria sp. 4*
(A) Xylariales, Xylariaceae



18 *Xylaria sp. 5*
(A) Xylariales, Xylariaceae



19 *Xylaria sp. 6*
(A) Xylariales, Xylariaceae



20 *Xylaria sp. 7*
(A) Xylariales, Xylariaceae



21 *Xylaria sp. 8*
(A) Xylariales, Xylariaceae



22 **Tremellales**
(B) Tremellomycetes



23 **Tremellales**
(B) Tremellomycetes



24 **Tremellales**
(B) Tremellomycetes



25 *Dacryopinax spathularia*
(B) Dacrymycetales, Dacrymycetaceae



26 *Auricularia delicata*
(B) Auriculariales, Auriculariaceae



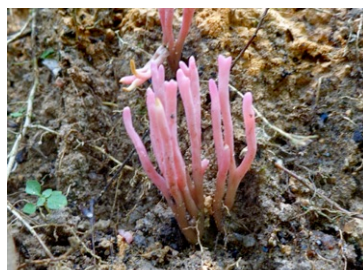
27 *Auricularia delicata*
(B) Auriculariales, Auriculariaceae



28 *Auricularia delicata*
(B) Auriculariales, Auriculariaceae



29 *Clavaria zollingeri*
(B) Agaricales, Clavariaceae



30 *Clavaria zollingeri*
(B) Agaricales, Clavariaceae



31 *Clavaria zollingeri*
(B) Agaricales, Clavariaceae



32 *Clavulinopsis aurantiocinnabarina*
(B) Agaricales, Clavariaceae

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33 *Chlorophyllum cf. molybdites*
 (B) Agaricales, Agaricaceae



34 *Chlorophyllum cf. molybdites*
 (B) Agaricales, Agaricaceae



35 *Chlorophyllum cf. molybdites*
 (B) Agaricales, Agaricaceae



38 *Coprinellus disseminatus*
 (B) Agaricales, Psathyrellaceae



39 *Coprinellus disseminatus*
 (B) Agaricales, Psathyrellaceae



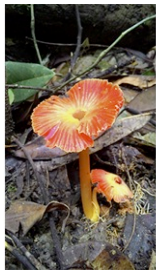
40 *Entoloma cf. panniculus*
 (B) Agaricales, Entolomataceae



41 *Gymnopus montagnei*
 (B) Agaricales, Omphalotaceae



42 *Gymnopus montagnei*
 (B) Agaricales, Omphalotaceae



43 *Hygrocybe sp.*
 (B) Agaricales, Tricholomataceae



44 *Leucocoprinus cf. brunneoluteus*
 (B) Agaricales, Agaricaceae



45 *Leucocoprinus cf. brunneoluteus*
 (B) Agaricales, Agaricaceae



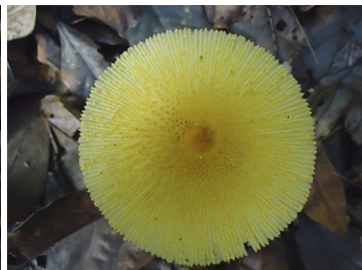
46 *Leucocoprinus cf. brunneoluteus*
 (B) Agaricales, Agaricaceae



47 *Leucocoprinus cf. brunneoluteus*
 (B) Agaricales, Agaricaceae



48 *Leucocoprinus sp.*
 (B) Agaricales, Agaricaceae



49 *Leucocoprinus sp.*
 (B) Agaricales, Agaricaceae



50 *Macrolepiota sp.*
 (B) Agaricales, Agaricaceae



51 *Macrolepiota sp.*
 (B) Agaricales, Agaricaceae



52 *Marasmius cf. griseoradiatus*
 (B) Agaricales, Marasmiaceae



53 *Marasmius haematocephalus*
 (B) Agaricales, Marasmiaceae



54 *Marasmius cf. helvoloides*
 (B) Agaricales, Marasmiaceae

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55 *Marasmius cf. rhabarbarinus*
(B) Agaricales, Marasmiaceae



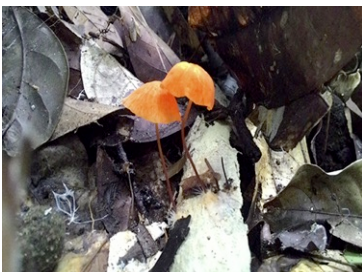
56 *Marasmius rotuloides*
(B) Agaricales, Marasmiaceae



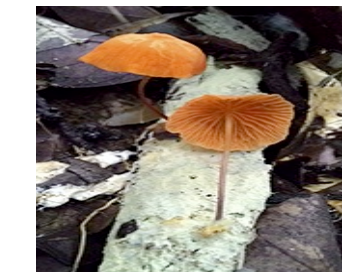
57 *Marasmius rotuloides*
(B) Agaricales, Marasmiaceae



58 *Marasmius sp. 1*
(B) Agaricales, Marasmiaceae



59 *Marasmius sp. 2*
(B) Agaricales, Marasmiaceae



60 *Marasmius sp. 2*
(B) Agaricales, Marasmiaceae



61 *Oudemansiella sp.*
(B) Agaricales, Physalacriaceae



62 *Oudemansiella sp.*
(B) Agaricales, Physalacriaceae



63 *Schizophyllum commune*
(B) Agaricales, Schizophyllaceae



64 *Trogia cantharelloides*
(B) Agaricales, Marasmiaceae



65 *Calvatia cf. cyathiformis*
(B) Agaricales, Agaricaceae



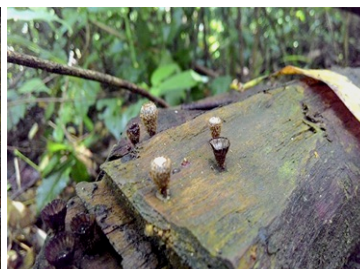
66 *Calvatia sp.*
(B) Agaricales, Agaricaceae



67 *Clathrus sp.*
©Thais Almeida
(B) Phallales, Phallaceae



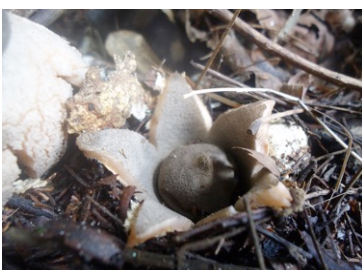
68 *Clathrus sp.*
©Thais Almeida
(B) Phallales, Phallaceae



69 *Cyathus sp.*
(B) Agaricales, Agaricaceae



70 *Cyathus sp.*
(B) Agaricales, Agaricaceae



71 *Geastrum entomophilum*
(B) Geastrales, Geastraceae



72 *Geastrum entomophilum*
(B) Geastrales, Geastraceae



73 *Geastrum entomophilum*
(B) Geastrales, Geastraceae



74 *Geastrum entomophilum*
(B) Geastrales, Geastraceae

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75 Phases of morphological development *Geastrum entomophilum*
 (B) Geastrales, Geastraceae



76 *Geastrum lloydianum*
 (B) Geastrales, Geastraceae



77 *Geastrum lloydianum*
 (B) Geastrales, Geastraceae



78 *Geastrum lloydianum*
 (B) Geastrales, Geastraceae



79 *Geastrum lloydianum*
 (B) Geastrales, Geastraceae



80 *Geastrum schweinitzii*
 (B) Geastrales, Geastraceae



81 *Geastrum schweinitzii*
 (B) Geastrales, Geastraceae



82 *Geastrum schweinitzii*
 (B) Geastrales, Geastraceae



83 *Geastrum subiculosum*
 (B) Geastrales, Geastraceae



84 *Geastrum subiculosum*
 (B) Geastrales, Geastraceae



85 *Geastrum subiculosum*
 (B) Geastrales, Geastraceae



86 *Geastrum triplex*
 (B) Geastrales, Geastraceae



87 *Geastrum triplex*
 (B) Geastrales, Geastraceae



88 *Geastrum triplex*
 (B) Geastrales, Geastraceae



89 *Geastrum triplex*
 (B) Geastrales, Geastraceae



90 *Geastrum* sp. 1
 (B) Geastrales, Geastraceae



91 *Geastrum* sp. 2
 (B) Geastrales, Geastraceae



92 *Geastrum* sp. 3
 (B) Geastrales, Geastraceae

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93 *Morganella* sp. 1
(B) Agaricales, Agaricaceae



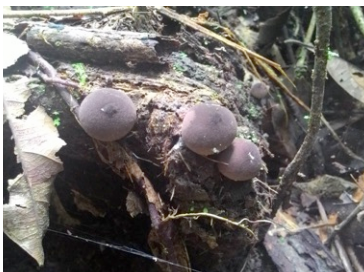
94 *Morganella* sp. 1
(B) Agaricales, Agaricaceae



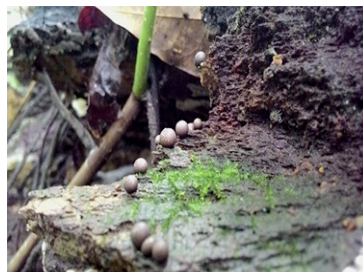
95 *Morganella* sp. 2
(B) Agaricales, Agaricaceae



96 *Morganella* sp. 2
(B) Agaricales, Agaricaceae



97 *Morganella* sp. 3
(B) Agaricales, Agaricaceae



98 *Morganella* sp. 3
(B) Agaricales, Agaricaceae



99 *Morganella* sp. 4
(B) Agaricales, Agaricaceae



100 *Morganella* sp. 4
(B) Agaricales, Agaricaceae



101 *Mutinus caninus*
(B) Phallales, Phallaceae



102 *Mutinus caninus*
(B) Phallales, Phallaceae



103 Primordium of *Phallus indusiatus*
(B) Phallales, Phallaceae



104 *Phallus indusiatus*
(B) Phallales, Phallaceae



105 *Phallus indusiatus*
(B) Phallales, Phallaceae



106 *Phallus indusiatus*
(B) Phallales, Phallaceae



107 *Xylophallus xylogenus*
(B) Phallales, Phallaceae



108 *Xylophallus xylogenus*
(B) Phallales, Phallaceae



109 *Amauroderma* sp. 1
(B) Polyporales, Ganodermataceae



110 *Amauroderma* sp. 2
(B) Polyporales, Ganodermataceae



111 *Amauroderma* sp. 3
(B) Polyporales, Ganodermataceae



112 *Amauroderma* sp. 4
(B) Polyporales, Ganodermataceae

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113 *Amauroderma* sp. 5
(B) Polyporales, Ganodermataceae



114 *Amauroderma* sp. 5
(B) Polyporales, Ganodermataceae



115 *Corioloipsis* sp.
(B) Polyporales, Polyporaceae



116 *Cymatoderma* sp.
(B) Polyporales, Meruliaceae



117 *Cymatoderma* sp.
(B) Polyporales, Meruliaceae



118 *Earliella scabrosa*
(B) Polyporales, Polyporaceae



119 *Favolus tenuiculus*
(B) Polyporales, Polyporaceae



120 *Favolus tenuiculus*
(B) Polyporales, Polyporaceae



121 *Ganoderma tornatum*
(B) Polyporales, Ganodermataceae



122 *Ganoderma* sp. 1
(B) Polyporales, Ganodermataceae



123 *Ganoderma* sp. 2
(B) Polyporales, Ganodermataceae



124 *Ganoderma* sp. 2
(B) Polyporales, Ganodermataceae



125 *Hexagonia hydnoides*
(B) Polyporales, Polyporaceae



126 *Hexagonia hydnoides*
(B) Polyporales, Polyporaceae



127 *Hexagonia variegata*
(B) Polyporales, Polyporaceae



128 *Inflatostereum glabrum*
(B) Polyporales, Phanerochaetaceae



129 *Lentinus* sp. 1
(B) Polyporales, Polyporaceae



130 *Lentinus* sp. 1
(B) Polyporales, Polyporaceae



131 *Lentinus* sp. 2
(B) Polyporales, Polyporaceae



132 *Lentinus* sp. 2
(B) Polyporales, Polyporaceae

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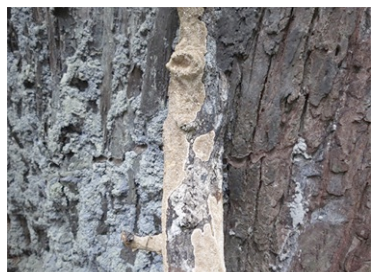
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133 *Lenzites betulina*
(B) Polyporales, Polyporaceae



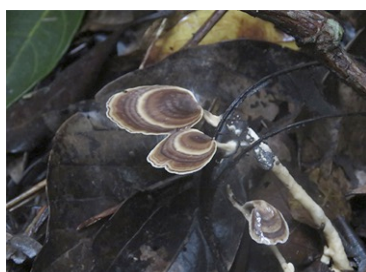
134 *Megasporoporia cavernulosa*
(B) Polyporales, Polyporaceae



135 *Microporellus cf. obovatus*
(B) Polyporales, Polyporaceae



136 *Microporellus cf. obovatus*
(B) Polyporales, Polyporaceae



137 *Microporellus obovatus*
(B) Polyporales, Polyporaceae



138 *Phellinus* sp.
(B) Hymenochaetales, Hymenochaetaceae



139 *Polyporus dictyopus*
(B) Polyporales, Polyporaceae



140 *Polyporus dictyopus*
(B) Polyporales, Polyporaceae



141 *Polyporus grammocephalus*
(B) Polyporales, Polyporaceae



142 *Polyporus leprieurii*
(B) Polyporales, Polyporaceae



143 *Porogramme albocincta*
(B) Polyporales, Grammotheleaceae



144 *Pycnoporus sanguineus*
(B) Polyporales, Polyporaceae



145 *Pycnoporus sanguineus*
(B) Polyporales, Polyporaceae



146 *Rigidoporus lineatus*
(B) Polyporales, Meripilaceae



147 *Sparassis* sp.
(B) Polyporales, Sparassidaceae



148 *Trametes modesta*
(B) Polyporales, Polyporaceae



149 *Trametes occidentalis*
(B) Polyporales, Polyporaceae



150 *Trametes versicolor*
(B) Polyporales, Polyporaceae

Acknowledgements

This field guide couldn't have been made without the support of specialists, who have our deepest thanks. We are especially indebted to **Susanne Sourell** and **D. Jean Lodge** for sharing with us their knowledge of macroscopic fungi. The species in this guide have had their identification confirmed. When possible, voucher material was deposited in the fungal collections of the HSTM Herbarium at the Universidade Federal do Oeste do Pará, Santarém, Brazil, which we also thank.