

ZINGIBERALES in the Great Curve of the XINGU RIVER, Pará, BRAZIL

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ZINGIBERALES na Volta Grande do RIO XINGU, Pará, BRASIL

André Luiz de Rezende **Cardoso**¹, Luiz Carlos **Piacentini**², Bruno Martins **De Mello**², Vinícius Martins **Barbacena**²,
Juliana Livian Lima de **Abreu**², Jocasta **Prado**² & Anna Luiza **Ilkiu-Borges**¹

¹Museu Paraense Emílio Goeldi, Coordenação de Botânica – Belém – PA, ²BIOTA Projetos e Consultoria Ambiental Ltda – Altamira, PA.

Photos: A.L.R. Cardoso; L.C. Piacentini; B.M. De Mello; V.M. Barbacena, J.L.L. de Abreu, & J. Prado.

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1 *Canna indica*
CANNACEAE



2 *Canna indica*
CANNACEAE



3 *Canna indica*
CANNACEAE



4 *Chamaecostus fusiformis*
COSTACEAE



5 *Chamaecostus fusiformis*
COSTACEAE



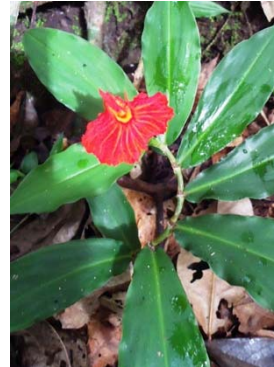
6 *Chamaecostus fusiformis*
COSTACEAE



7 *Chamaecostus fusiformis*
COSTACEAE



8 *Chamaecostus lanceolatus*
COSTACEAE



9 *Chamaecostus lanceolatus*
COSTACEAE



10 *Chamaecostus subsessilis*
COSTACEAE



11 *Chamaecostus subsessilis*
COSTACEAE



12 *Chamaecostus subsessilis*
COSTACEAE



13 *Chamaecostus subsessilis*
COSTACEAE



14 *Costus arabicus*
COSTACEAE



15 *Costus arabicus*
COSTACEAE



16 *Costus arabicus*
COSTACEAE



17 *Costus arabicus*
COSTACEAE



18 *Costus arabicus*
COSTACEAE



19 *Costus scaber*
COSTACEAE



20 *Costus scaber*
COSTACEAE

ZINGIBERALES in the Great Curve of the XINGU RIVER, Pará, BRAZIL **2**

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21 *Costus spiralis*
COSTACEAE



22 *Costus spiralis*
COSTACEAE



23 *Costus spiralis*
COSTACEAE



24 *Costus spiralis*
COSTACEAE



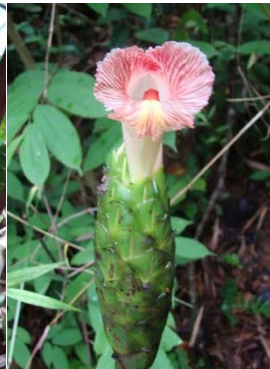
25 *Costus* sp.
COSTACEAE



26 *Costus* sp.
COSTACEAE



27 *Costus* sp.
COSTACEAE



28 *Costus* sp.
COSTACEAE



29 *Costus* sp.
COSTACEAE



30 *Heliconia acuminata*
HELICONIACEAE



31 *Heliconia acuminata*
HELICONIACEAE



32 *Heliconia bihai*
HELICONIACEAE



33 *Heliconia bihai*
HELICONIACEAE



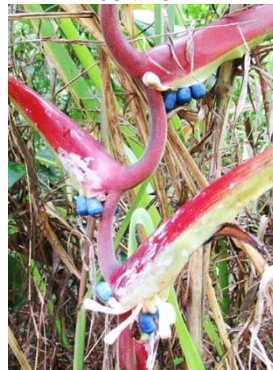
34 *Heliconia bihai*
HELICONIACEAE



35 *Heliconia chartacea*
HELICONIACEAE



36 *Heliconia chartacea*
HELICONIACEAE



37 *Heliconia chartacea*
HELICONIACEAE



38 *Heliconia chartacea*
HELICONIACEAE



39 *Heliconia densiflora*
subsp. *densiflora*
HELICONIACEAE



40 *Heliconia densiflora*
subsp. *angustifolia*
HELICONIACEAE

ZINGIBERALES in the Great Curve of the **XINGU RIVER**, Pará, BRAZIL **3**

ZINGIBERALES na Volta Grande do **RIO XINGU**, Pará, BRASIL

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41 *Heliconia densiflora*
subsp. *angustifolia*
HELICONIACEAE



42 *Heliconia hirsuta*
HELICONIACEAE



43 *Heliconia hirsuta*
HELICONIACEAE



44 *Heliconia hirsuta*
HELICONIACEAE



45 *Heliconia hirsuta*
HELICONIACEAE



46 *Heliconia* sp.
HELICONIACEAE



47 *Heliconia* sp.
HELICONIACEAE



48 *Heliconia* sp.
HELICONIACEAE



49 *Heliconia* sp.
HELICONIACEAE



50 *Heliconia* sp.
HELICONIACEAE



51 *Heliconia psittacorum*
HELICONIACEAE



52 *Heliconia psittacorum*
HELICONIACEAE



53 *Heliconia psittacorum*
HELICONIACEAE



54 *Heliconia psittacorum*
HELICONIACEAE



55 *Heliconia spathocircinata*
HELICONIACEAE



56 *Heliconia spathocircinata*
HELICONIACEAE



57 *Heliconia spathocircinata*
HELICONIACEAE



58 *Heliconia spathocircinata*
HELICONIACEAE



59 *Heliconia* sp.1
HELICONIACEAE



60 *Heliconia* sp.2
HELICONIACEAE

ZINGIBERALES in the Great Curve of the **XINGU RIVER**, Pará, BRAZIL **4**

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61 *Heliconia* sp.2
HELICONIACEAE



62 *Goeppertia elliptica*
MARANTACEAE



63 *Goeppertia elliptica*
MARANTACEAE



64 *Goeppertia elliptica*
MARANTACEAE



65 *Goeppertia elliptica*
MARANTACEAE



66 *Goeppertia elliptica*
MARANTACEAE



67 *Goeppertia micans*
MARANTACEAE



68 *Goeppertia micans*
MARANTACEAE



69 *Goeppertia micans*
MARANTACEAE



70 *Goeppertia ovata*
MARANTACEAE



71 *Goeppertia ovata*
MARANTACEAE



72 *Goeppertia ovata*
MARANTACEAE



73 *Goeppertia ovata*
MARANTACEAE



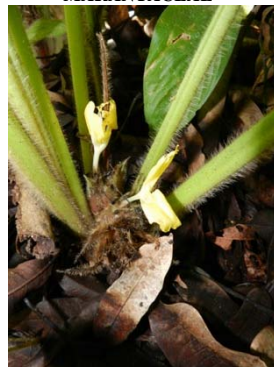
74 *Goeppertia ovata*
MARANTACEAE



75 *Goeppertia polytricha*
MARANTACEAE



76 *Goeppertia polytricha*
MARANTACEAE



77 *Goeppertia polytricha*
MARANTACEAE



78 *Goeppertia polytricha*
MARANTACEAE



79 *Goeppertia* sp.
MARANTACEAE



80 *Goeppertia* sp.
MARANTACEAE

ZINGIBERALES in the Great Curve of the **XINGU RIVER**, Pará, BRAZIL **5**

ZINGIBERALES na Volta Grande do **RIO XINGU**, Pará, BRASIL

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81 *Goepertia* sp.
MARANTACEAE



82 *Goepertia* sp.
MARANTACEAE



83 *Goepertia* sp.
MARANTACEAE



84 *Goepertia* sp.
MARANTACEAE



85 *Goepertia zingiberina*
MARANTACEAE



86 *Goepertia zingiberina*
MARANTACEAE



87 *Goepertia zingiberina*
MARANTACEAE



88 *Goepertia zingiberina*
MARANTACEAE



89 *Goepertia polystachya*
MARANTACEAE



90 *Goepertia legrelleana*
MARANTACEAE



91 *Goepertia legrelleana*
MARANTACEAE



92 *Goepertia* sp. 3
MARANTACEAE



93 *Goepertia* sp. 3
MARANTACEAE



94 *Goepertia microcephala*
MARANTACEAE



95 *Goepertia* sp. 4
MARANTACEAE



96 *Hylaeantha hexantha*
MARANTACEAE



97 *Hylaeantha hexantha*
MARANTACEAE



98 *Hylaeantha hexantha*
MARANTACEAE



99 *Hylaeantha hexantha*
MARANTACEAE



100 *Hylaeantha hexantha*
MARANTACEAE

ZINGIBERALES in the Great Curve of the XINGU RIVER, Pará, BRAZIL

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ZINGIBERALES na Volta Grande do RIO XINGU, Pará, BRASIL

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101 *Hylaeanthe* sp.
MARANTACEAE



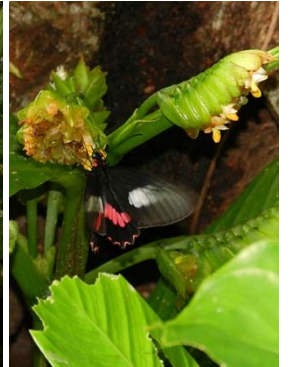
102 *Hylaeanthe* sp.
MARANTACEAE



103 *Hylaeanthe* sp.
MARANTACEAE



104 *Hylaeanthe* sp.
MARANTACEAE



105 *Hylaeanthe* sp.
MARANTACEAE



106 *Ischnosiphon arouma*
MARANTACEAE



107 *Ischnosiphon arouma*
MARANTACEAE



108 *Ischnosiphon arouma*
MARANTACEAE



109 *Ischnosiphon gracilis*
MARANTACEAE



110 *Ischnosiphon gracilis*
MARANTACEAE



111 *Ischnosiphon gracilis*
MARANTACEAE



112 *Ischnosiphon gracilis*
MARANTACEAE



113 *Ischnosiphon gracilis*
MARANTACEAE



114 *Ischnosiphon leucophaeus*
MARANTACEAE



115 *Ischnosiphon obliquus*
MARANTACEAE



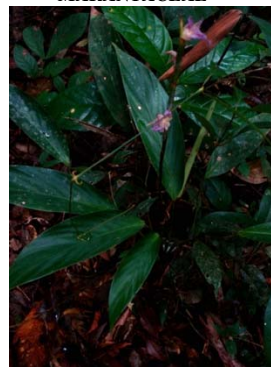
116 *Ischnosiphon obliquus*
MARANTACEAE



117 *Ischnosiphon obliquus*
MARANTACEAE



118 *Ischnosiphon obliquus*
MARANTACEAE



119 *Ischnosiphon petiolatus*
MARANTACEAE



120 *Ischnosiphon petiolatus*
MARANTACEAE

ZINGIBERALES in the Great Curve of the XINGU RIVER, Pará, BRAZIL 7

ZINGIBERALES na Volta Grande do RIO XINGU, Pará, BRASIL

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121 *Maranta humilis*
MARANTACEAE



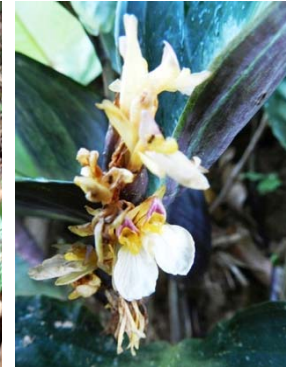
122 *Maranta humilis*
MARANTACEAE



123 *Maranta humilis*
MARANTACEAE



124 *Maranta humilis*
MARANTACEAE



125 *Maranta humilis*
MARANTACEAE



126 *Monotagma plurispicatum*
MARANTACEAE



127 *Monotagma plurispicatum*
MARANTACEAE



128 *Monotagma plurispicatum*
MARANTACEAE



129 *Monotagma plurispicatum*
MARANTACEAE



130 *Monotagma spicatum*
MARANTACEAE



131 *Monotagma spicatum*
MARANTACEAE



132 *Monotagma spicatum*
MARANTACEAE



133 *Monotagma spicatum*
MARANTACEAE



134 *Monotagma spicatum*
MARANTACEAE



135 *Thalia geniculata*
MARANTACEAE



136 *Thalia geniculata*
MARANTACEAE



137 *Thalia geniculata*
MARANTACEAE



138 *Thalia geniculata*
MARANTACEAE



139 *Thalia geniculata*
MARANTACEAE



140 *Phenakospermum guyanense*
STRELITZIACEAE

ZINGIBERALES in the Great Curve of the XINGU RIVER, Pará, BRAZIL 8

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141 *Phenakospermum guyannense*
STRELITZIACEAE



142 *Phenakospermum guyannense*
STRELITZIACEAE



143 *Phenakospermum guyannense*
STRELITZIACEAE



144 *Curcuma longa*
ZINGIBERACEAE



145 *Curcuma longa*
ZINGIBERACEAE



146 *Curcuma longa*
ZINGIBERACEAE



147 *Hedychium coronarium*
ZINGIBERACEAE



148 *Hedychium coronarium*
ZINGIBERACEAE



149 *Renealmia alpinia*
ZINGIBERACEAE



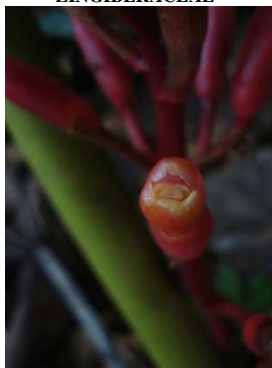
150 *Renealmia alpinia*
ZINGIBERACEAE



151 *Renealmia alpinia*
ZINGIBERACEAE



152 *Renealmia alpinia*
ZINGIBERACEAE



153 *Renealmia alpinia*
ZINGIBERACEAE



154 *Renealmia alpinia*
ZINGIBERACEAE



155 *Renealmia guianensis*
ZINGIBERACEAE



156 *Renealmia guianensis*
ZINGIBERACEAE



157 *Renealmia guianensis*
ZINGIBERACEAE



158 *Renealmia guianensis*
ZINGIBERACEAE



159 *Zingiber zerumbet*
ZINGIBERACEAE



160 *Zingiber zerumbet*
ZINGIBERACEAE