

## **5. APÊNDICES**



**APÊNDICE 1.** *Amasonia angustifolia* Mart. & Schauer: A. Hábito. *A. arborea* Kunth: B. Inflorescência. *A. campestris* (Aubl.) Moldenke: C. Inflorescência; D. Hábito.



**APÊNDICE 2.** *Amasonia hirta* Benth.: E. Hábito; F. Flor; G. Ramo; H. Face abaxial da folha; I. Glândulas; J. Flor em corte longitudinal; K. Ovário em corte transversal.



**APÊNDICE 3.** *Amasonia lasiocaulis* Mart. & Schauer ex Schauer: L. Hábito; M. Inflorescência; N. Botão e Flor; O. Fruto imaturo.

**APÊNDICE 4. Lista das instituições visitadas ou cujas exsicatas foram recebidas por empréstimo e/ou doações**

**CEN\*** – Herbário da Empresa Brasileira de Pesquisa Agropecuária (DF).

**CESJ** – Herbário Leopoldo Krieger (MG).

**EAC** – Herbário Prisco Bezerra (CE).

**ESA** – Herbário da Escola Superior de Agricultura Luiz de Queiroz (SP).

**HEPH\*** – Herbário do Jardim Botânico de Brasília (DF).

**HRB** – Herbário RADAMBRASIL (BA).

**HST\*** – Herbário Sérgio Tavares (herbário não indexado). (PE).

**HUEFS\*** – Herbário da Universidade Estadual de Feira de Santana (BA).

**HUFMT** – Herbário da Universidade Federal do Mato Grosso (MT).

**IAC** – Herbário Fanerogâmico e Criptogâmico do Instituto Agrônomo de Campinas (SP).

**INPA\*** – Herbário do Instituto Nacional de Pesquisas da Amazônia (AM).

**IPA\*** – Herbário Dárdano de Andrade Lima (PE).

**MBM** – Museu Botânico Municipal (PR).

**MG** – Museu Paraense Emílio Goeldi (PA).

**PEUFR\*** – Herbário Professor Vasconcelos Sobrinho (PE).

**SP** – Herbário Maria Eneyda P. K. Fidalgo (SP).

**UFG\*** – Herbário da Universidade Federal de Goiás (GO).

**TEPB** – Herbário Graziela Barroso (PI).

**UB\*** – Herbário da Universidade de Brasília (DF).

**UEC\*** – Herbário da Universidade Estadual de Campinas (SP).

**VIC** – Herbário da Universidade Federal de Viçosa (MG).

\*O asterisco indica as instituições visitadas.

**APÊNDICE 5.** Lista completa de materiais examinados.***Amasonia angustifolia***

**BRASIL, AMAZONAS:** Humaitá, 27 /XI/ 1966, st., *Prance et al. 3370* (INPA); **GOIÁS:** 07 /XII/ 1973, fl., *Rizzo 9456* (UFG); 09 /I/ 1974, fl., *Rizzo 9513* (UFG); 08 /II/ 1984, fl., *Rizzo 9580* (UFG); Teresina de Goiás, 13° 28' 01" S, 47° 9' 23" W, 370-425 m, 23 /II/ 2003, fr., *França et al. 4652* (HUEFS); **MARANHÃO:** Balsas, 07 /XII/ 1980, *Martins & Nunes s. n.* (EAC-9468); Carolina, 07° 15' 26" S, 47° 30' 06" W, 150 m, 16 /I/ 2008, fl. fr., *Pereira-Silva & Moreira 12721* (CEN), 07° 23' 24" S, 47° 22' 50" W, 200 m, 30 /IX/ 2009, fl., *Pereira-Silva et al. 14895* (PEUFR); **MATO GROSSO:** São Félix do Araguaia, 11° 33' 39,4" S, 51° 13' 00,7" W, 220 m, 21 /III/ 1997, st., *Souza et al. 14827* (ESA,UFMT); **PARÁ:** Cachimbo, 09° 20' S, 54° 53' W, 16-21/ V / 1955, st., *Bockermann 287* (HST); **TOCANTINS:** Araguatins, 20 /XI/ 2003, fl., *Salles et al. 2688* (HEPH); Arraias, 10 /V/ 1991 fl., *Hatschbach & Silva 56031* (ESA); Itacajá, 13 /X/ 2000, fl. fr., *Santos et al. 783* (CEN); Palmeirópolis, 12° 58' 11" S, 48° 11' 44" W, 350 m, 25 /I/ 2008, fl. fr., *Pereira-Silva & Moreira 12897* (PEUFR), 12° 58' 46" S, 48° 13' 49" W, 1098 m, 29 /II/ 2008, fl. fr., *Pereira & Moreira 160* (PEUFR); Paranã, 12° 55' 16" S, 47° 33' 44" W, 333 m, 29 /III/ 2004, st., *Sevilha et al. 3953* (CEN); Taipas do Tocantins, 12° 8' 23" S, 46° 5' 72" W, 390 m, 15 /I/ 2008, fl., *Pastore et al. 2419* (CEN).

***Amasonia arborea***

**BOLÍVIA, BOLÍVAR:** Sucre, 07° 40' 49,8" N, 64° 36' 42,1" W, 40-50 m, 13 /VII/ 2000, fl., *Fernández et al. 05-00351* (ESA); **BRASIL, AMAPÁ:** 03° 07' N, 51° 5' W, 01 /VIII/ 1993, fr., *Bridgewater et al. 61* (INPA); Oiapoque, 10 /II/ 1950, *Froés 25939* (IAC); **AMAZONAS:** Manaus, 27 /II/ 1961, fl., *Rodrigues & Chagas 2173* (INPA); **BAHIA:** Barreiras, 11° 53' 41" S, 46° 36' 03" W, 710 m, 04 /II/ 2000, fl., *Jesus et al. 829* (HRB, UEC); 710 m, 04 /II/ 2000, st., *Ribeiro et al. 49* (UEC); **CEARÁ:** Crato, 21 /II/ 1980, fr., *Martins s. n.* (EAC-8056); Novo Oriente, 750 m, 15 /II/ 1991, fl., *Araújo 280* (EAC), 16 /II/ 1991, fr., *Araújo 281* (EAC); Tianguá, 08 /III/ 1981, st., *Fernades & Nunes s. n.* (EAC-9911); **GOIÁS:** Minaçu, 13° 28' S, 48° 23' W, 550 m, 09 /III/ 1992, fr., *Cavalcanti et al. 1063* (CEN); **MARANHÃO:** Balsas, 07 /XII/ 1980, *Martins & Nunes s. n.* (EAC-9472); 470 m, 09 /III/ 1996, fr., *Silva et al. 3461* (CEN, CESJ); Codó, 4° 30' S, 43° 54' W, 20 /II/ 1982, fl. fr., *I. & G. Gottsberger 25-20282* (CESJ); Loreto, 07 6° S, 45° 8' W, 150 m, 29 /I/ 1970, fl., *G.*

*Eiten & L. T. Eiten 10390* (SP); São Luís, V/ 1985, fl., *Silva s. n.* (HEPH-58114); **MATO GROSSO**: 10 /VII/ 1971, fl., *Silva s. n.* (IAC-22284); Luciara, 11° 08' 08,6" S, 50° 43' 45,4" W, 140 m, 19 /III/ 1997, fl., *Souza et al. 14531* (ESA, UFMT); Tangará da Serra, 02 /IV/ 2008, fl. fr., *Silva s. n.* (UFMT-38655); **PARÁ**: 19 /II/ 1970, fl., *Cavalcante 2409* (MG); Breves, 20 /IX/ 1968, fl., *Cavalcante 1997* (MG); Marabá, 750 m, 15 /III/ 1984, fr., *Silva et al. 1813* (MG); Santarém, 02° 29' S, 54° 57' W, 23 /II/ 1986, fl., *Ackerly 169* (INPA); Tucuruí, 03° 55' S, 49° 44' W, 90 m, 17 /III/ 1980, st., *Plowman et al. 9699* (HRB); **PIAUI**: Brasileira, 04° 08' 44" S, 41° 42' 15" W, 223 m, 27 /II/ 1999, st., *Alencar 508* (TEPB); Cabaceiras do Piauí, 42° 82' 50" S, 42° 03' 49" W, 100 m, 19 /V/ 2005, fl., *Barros et al. 2265* (TEPB); Caracol, 09° 97' 60" S, 43° 23' 19" W, 625 m, 26 /I/ 2006, st., *Barros et al. 2592* (TEPB); Elesbão Veloso, 15 /V/ 1979, *Castro s. n.* (TEPB-934); Guaribas, 28 /III/ 2007, fl., *Barros et al. 2921* (TEPB); José de Freitas, 04° 41' 00" S, 42° 29' 18,5" W, 03 /IV/ 2002, fl., *Alencar et al. 1531* (TEPB); Ribeiro Gonçalves, 21 /I/ 2005, fl. fr., *Miranda et al. 4782* (TEPB); São Raimundo Nonato, 11 /II/ 1984, st., *Empereire 2490* (TEPB); **TOCANTINS**: Darcinópolis, 06° 50' 46" S, 47° 31' 54" W, 140 m, 21 /II/ 2005, fl., *Pereira-Silva et al. 9513* (CEN); Lagoa da Confusão, 10° 27' 50" S, 50° 27' 03" W, 170 m, 24 /III/ 1999, st., *Silva et al. 4120* (CESJ, UFMT); Taguatinga, 12° 21' 13" S, 46° 20' 49" W, 710 m, 26 /I/ 2005, fl., *Paula-Souza et al. 4718* (ESA) 10° 20' 50" S, 46° 20' 17" W, 815 m, 26 /I/ 2005, fl., *Paula-Souza et al. 4766* (ESA).

### *Amasonia calycina*

**BRASIL, AMAZONAS**: 02° 42' - 47' N, 63 33-36 W, 20 /II/ 1969, fl. fr., *Prance et al. 10120* (INPA); Manaus, 02° 19' S, 60° 05' W, 20 /VIII/ 1995, st., *Nee 46248* (INPA); **CEARÁ**: Novo Oriente, 05 °31' 60" S, 40° 45' 59" W, 16 /II/ 1991, fl., *Araújo 280* (IPA); **MARANHÃO**: Barão de Grajaú, 06° 38' S, 39° 05' W, 24 /III/ 1984, st., *Orlandi 594* (IPA); Caxias, 4° 44' S, 43° 11' W, 17 /I/ 1970, st., *G.Eiten & L.T.Eiten 10356* (SP); **MATO GROSSO**: São José do Rio Claro, 13° 18' 43" S, 56° 43' 40" W, 26 /VI/ 1997, fl. fr., *Ivanauskas et al. 1953-A* (ESA, UFMT); **PARÁ**: Maracanã, 22-25 /V/ 1994, fr., *Bastos et al. 1665* (MG), 07 /IX/ 1994, *Bastos et al. 1767* (MG), 23 /VIII/ 2007, fl., *Rocha et al. 714* (MG); **PIAUI**: Brasileira, 4° 08' 40" S, 41° 42' 07" W, 210 m, 26 /III/ 1999, fl., *Alencar 563* (TEPB); Guaribas 09° 84' 35" S, 43° 36' 78" W, 21 /III/ 2006, fl., *Souza et al. 621* (TEPB); Manoel Emídio, 28 /XI/ 1979, st., *Sautino s. n.* (IPA-25075); Monsenhor Gil, 28 /II/ 2006, fl., *Santos et al. 175* (TEPB), 19 /III/ 2006, fl., *Santos & Azevedo 220* (TEPB).

***Amasonia campestris***

**BRASIL, AMAPÁ:** Mazagão, 08 /IV/ 1982, st., *Rosa et al. 4192* (HRB, MG); **BAHIA:** Caetité, 14° 05' 16" S, 42° 30' 19" W, 1080 m, 10 /II/ 1997, fr., *Guedes et al. 5339* (CESJ), 14° 05' 19" S, 42° 30' 19" W, 28 /IV/ 2003, fl., *Guedes et al. 10356* (HRB); Cocos, 14° 52' 33" S, 46° 02' 10" W, 935 m, 10 /XII/ 2001, st., *Fonseca et al. 3038* (CESJ, HRB); Delfino, 10° 29' 54" S, 41° 18' 23" W, 1248 m, 09 /III/ 1997, fl. fr., *Gasson et al. 6176* (HRB); **CEARÁ:** 25 /III/ 1936, st., *Luetzelburg 25949* (IPA); Barbalho, 21 /II/ 1963, st., *Sampaio s. n.* (IPA-13218); Crato, 28 /III/ 2000, fr., *Souza et al. 444* (EAC); Pacajus, 18 /I/ 1998, st., *Souza 171* (EAC); Redenção, 04° 15' 17,6" S, 38° 43' 30,8" W, 130 m, 17 /III/ 2002, st., *Souza et al. 28672* (ESA); **GOIÁS:** Lizarda, 9° 56' S, 46° 31' W, 21 /III/ 1978, st., *Assis 31* (HRB); **MARANHÃO:** Balsas, 07 /III/ 1996, fl., *Silva et al. 3449* (CEN, CESJ); Barão de Grajaú, 26 /I/ 1970, fl., *G.Eiten & L.T.Eiten 10375* (SP); São Luís, 22-23 /X/ 1982, fl., *Yamamoto et al. 14255* (UEC); Timon, 30 /I/ 1981, st., *Fernandes et al. s.n.* (EAC-32821); **PARÁ:** Almeirim, 32° S, 52° 50' W, 21 /III/ 1986, fl., *Pires & Silva 825* (INPA, MG); Barcarena, 15 /III/ 2002, fl., *Amaral & Rosário 241* (MG); Marabá, 10 /III/ 1983, fl., *Joly et al. 14865* (UEC); Marapanim, 16 /VI/ 1991, st., *Bastos et al. 1087* (MG); **PERNAMBUCO:** Exu, 06 /V/ 1971, fl., *Heringer et al 610* (IPA), 11 /II/ 1998, st., *Ferreira s. n.* (IPA-61980); **PIAUÍ:** Altos, 04 /IV/ 1981, fr., *Castro s. n.* (TEPB-1502), Piripiri, 01 /V/ 1978, *Souza s.n.* (TEPB-47).

***Amasonia hirta***

**BRASIL, AMAPÁ:** Macapá, 17 /III/ 1962, fl., *J. Mattos & N.Mattos 10136 B* (UB); **BAHIA:** Caetité, 14° 04' 30" S, 43° 30' 23" W, 1100 m, 21 /I/ 2003, fr., *Cavalcanti et al. 3140* (CEN); **DISTRITO FEDERAL:** 26 /IV/ 1963, fl., *Pires et al. 9458* (UB); 26 /I/ 1966, fr., *Lima 66-4378* (IPA); 15° 32'-15° 38' S, 47° 33'-47° 37' W, 1000-1150 m, 04 /II/ 1983, fl., *Maurry 389* (UEC); 900 m, 30 /III/ 1995, fl. fr., *Silva 823* (UB); Águas-Emendadas, 17 /XI/ 1971, fl., *Ferreira 932* (HEPH); Brasília, 17 /I/ 1965, fl., *Handro 125* (CESJ, SP), 01 /IX/ 1971, fl., *Bila Filho 6* (HEPH), 15° 34' S, 47° 28' W, 1120 m, 12 /II/ 1981, fr., *Kirkbride Jr. 3985* (HUEFS), 15° 35' S, 48° 02' W, 1120 m, 15 /II/ 1982, st., *Kirkbride Jr. 4693* (HUEFS), 22 /II/ 1984, fl. fr., *Moura 59* (UEC), 15° 57' 10" S, 47° 52' 35" W, 27 /IV/ 1988, st., *Pereira Neto 11* (SP), 15° 57' S, 47° 52' W, 30 /III/ 1993, st., *Munhoz 20* (HUEFS), 15° 52' S, 47° 51' W, 1025-1150 m, 27 /XII/ 1996, fl., *Nóbrega et al. 644* (HEPH), 16° 03' S, 48° 03' W,



850 m, 12 /I/ 2001, fl., *Gomes et al. 209* (HUEFS), 15° 57' 10" S, 47° 52' 35" W, 17 /V/ 2002, st., *Foster et al. 935* (ESA), 19° 15' 02" S, 23° 04' 31" W, 1131 m, 12 /III/ 2004, fl. fr., *Paiva et al. 206* (HEPH), 19° 13' 53" S, 82° 32' 164" W, 1146 m, 27 /IV/ 2004, fr., *Azevedo et al. 56* (HEPH), 19° 15' 02" S, 83° 37' 90" W, 04 /V/ 2004, fl., *Azevedo et al. 65* (HEPH), 19° 14' 50" S, 82° 30' 0,29" W, 04 /V/ 2004, st., *Azevedo et al. 76* (HEPH), 19° 54' 04" S, 82° 38' W, 149 m, 23 /V/ 2004, fr., *Paiva & Azevedo 225* (HEPH), 15° 52' 0" S, 47° 51' 0" W, 1125-1150 m, 17 /III/ 2005, fr., *Azevedo et al. 319* (HEPH), 22 /II/ 2009, fl., *Azevedo et al. 399* (HEPH), 23 /IV/ 2009, fr., *Carvalho-Silva et al. 451* (HEPH), 15° 52' 57" S, 47° 52' 07" W, 1123 m, 19 /I/ 2010, fl., *Santos et al. 107* (HEPH), 15° 52' 57" S, 47° 52' 07" W, 1123 m, 19 /I/ 2010, fl., *Santos et al. 108* (HEPH), 15° 52' 57" S, 47° 52' 07" W, 1123 m, 19 /I/ 2010, fl., *Santos et al. 109* (HEPH), 15° 34' 38" S, 47° 52' 59" W, 1143 m, 19 /I/ 2010, fl., *Santos et al. 111* (HEPH), 15° 53' 30" S, 47° 53' 06" W, 1143 m, 19 /I/ 2010, fl., *Santos et al. 112* (HEPH); Planaltina, 30 /XII/ 1985, fl., *Vieira 285* (VIC); **GOIÁS**: 17° 12' S, 51° 47' W, 800-1000 m, 23 /XII/ 1964, fl., *Irwin et al. 7227* (UB), 1000 m, 08 /II/ 1966, fl., *Irwin et al. 12305* (UB), 05 /III/ 1966, *Rizzo 39* (UB), 14° S, 46° W, 950 m, 30 /III/ 1966, fr., *Irwin et al. 14296* (UB), 18 /I/ 1968, st., *Irwin et al. s. n.* (INPA-48985), 1150 m, 18 /I/ 1968, fl., *Irwin et al. 18824* (UB), 700 m, 19 /I/ 1968, fl., *Irwin et al. 18840* (UB), 21 /XII/ 1968, st., *Harley et al. 11431* (UB), 1000 m, 07 /III/ 1969, fr., *Irwin et al. 23990* (UB), 1000 m, 24 /III/ 1969, fl., *Irwin et al. 24967* (UB), 28 /II/ 1970, fr., *Rizzo & Barbosa 4809-4855* (UFG), 23 /III/ 1970, fl. fr., *Rizzo & Barbosa 4941-4189* (UFG), 1250 m, 20 /III/ 1971, fl., *Irwin et al. 32793* (UB), 15 /I/ 1972, fl., *Irwin et al. 34164* (UB), 1000 m, 18 /I/ 1972, fl., *Irwin et al. 34509* (UB), 750 m, 22 /I/ 1972, fl., *Irwin et al. 34750* (UB), 22 /I/ 1972, fl., *Rizzo & Barbosa 7490-6220* (UFG), 1500 m, 04 /III/ 1973, fl., *Anderson 6238* (UB), 28 /XI/ 1976, st., *Sheperd et al. 3701* (MBM), 06 /I/ 1977, fl., *Heringer 16636* (UB), 15° 05' S, 49° 51' W, 20 /III/ 1978, st., *Guimarães 66* (HRB), 14° 55' S, 47° 32' W, 1000 m, 06 /II/ 1987, fr., *Pirani et al. 1653* (CESJ), 1000 m, 15° 55' S, 50° 09' W, 600-750 m, 10 /II/ 1980, fl., *Kirkbride Jr. 3382* (UB), 14° 05' S, 47° 39' W, 07 /III/ 1988, fr., *Ginzburg & César 757* (UB); Abadiânia, 16° 13' 44" S, 48° 29' 14" W, 980 m, 20 /II/ 2003, fl., *Silva et al. 7278* (CEN); Alto Paraíso de Goiás, 04 /II/ 1972, fl., *Rizzo 7608* (UFG), 14° 02' S, 47° 32' W, 1380 m, 07 /III/ 1989, fl., *Cavalcanti et al. 379* (CEN), 14° 08' S, 47° 2' W, 1380 m, 14 /III/ 1995, fl., *Cavalcanti et al. 1335* (SP), 14° 13' 33" S, 47° 29' 28" W, 1125 m, 22 /I/ 2005, fl., *Paula-Souza et al. 4334* (ESA), 14° 08' 12" S, 47° 32' 17" W, 1150 m, 22 /I/ 2005, fl., *Paula-Souza et al. 4428* (ESA), 14° 09' 03" S, 47° 45' 37" W, 1080 m, 23 /I/ 2005, st., *Paula-Souza et al. 4552* (ESA), 14° 09' 48" S, 47° 35' 35" W, 1155 m, 27 /I/ 2005, fl., *Chaves et al. 191* (UB), 14° 09' 48" S, 47° 35' 35"

W, 1155 m, 25 /II/ 2005, fl., *Chaves & Marra 224* (UB); Alvorada do Norte, 14° 30' 42,2" S, 46° 32' 26,7" W, 530 m, 18/ II/2003, bt. fl. fr., *Mendonça et al. 5230* (HST, IBGE, UB); Anápolis, 27 /II/ 1997, fr., *Ferreira 3409* (UFG); Aparecida de Goiânia, 26 /IV/ 2003, fr., *Pastore & Bringel 565* (CEN), Babaçulândia, 6° 56' S, 48° 05' W, 420 m, 26 /II/1980, fr., *Plowman et al. s. n.* (INPA); Campo Alegre, 06 /II/ 1994, fl., *Hatschbach et al. 59888* (ESA); Cavalcante, 13° 49' 49" S, 47° 27' 38,6" W, 781 m, 21 /III/ 2003, fl., *Mazine et al. 899* (ESA); 13° 40' 16,8" S, 47° 28' 30,2" W, 1088 m, 13 /IV/ 2004, st., *Fonseca et al. 5066* (HRB); Chapadão do Céu, 17° 49'-18° 28' S, 52° 39'-53° 10' W, 06 /I/ 1999, fr., *Batalha 2728* (SP), 17° 49'-18° 28' S, 52° 39'-53° 10' W, 09 /III/ 1999, fl. *Batalha 3054* (UEC); Eclérica, 10 /III/ 1974, fl. fr., *Heringer 13170* (UB, UEC); Formosa, 18 /II/ 2005, fl., *Salles et al. 3817* (HEPH); Goiandira, 26 /II/ 2005, fl., *Rizzo et al. 12982* (UFG); Goiânia, 06 /IV/ 1968, st., *Rizzo & Barbosa 41* (UFG), 02 /I/ 1969, fl., *Rizzo & Barbosa 3353* (UFG), 03 /II/ 1969, 03 /II/ 1969, st., *Rizzo & Barbosa 3584* (UFG), 04 /II/ 1969, fl., *Rizzo & Barbosa 3393* (UFG), 03 /III/ 1969, st., *Rizzo & Barbosa 3872* (UFG), 26 /III/ 1991, fl., *Ferreira et al. 13* (UFG); Leopoldo de Bulhões, 06 /III/ 1997, fl., *Ferreira 3451* (UFG); Luziânia, 22 /XII/ 1990, fl., *Melo & França 424* (CEN, UB, UFG), 09 /II/ 1991, fr., *Melo & França 525* (CEN); Minaçu, 13° 49' S, 48° 26' W, 930 m, 21 /III/ 1996, fl., *Walter et al. 3291* (CESJ), 28 /I/ 1997, fl., *Assis et al. 376* (CEN); Mineiros, 16 /II/ 1995, fr., *Salla 22* (UFG), 16 /II/ 2005, fl., *Salla 27* (UFG), 17 /II/ 1995, fl., *Alcântara et al. 90* (UFG); Mossâmedes, 18 /II/ 1994, fr., *Rizzo 11036* (UFG), 17 /III/ 1994, st., *Rizzo et al. 11080* (UFG); Pirenópolis, 26 /I/ 1991, fl., *Barros 2215* (SP), 15° 49' 29" S, 48° 54' 24" W, 1070 m, 18 /I/ 2005, st., *Paula-Souza et al. 4067* (ESA), 04 /VI/ 2008, fr., *Hashimoto 2490* (UFG); São Gabriel, 15° 10' 92" S, 47° 35' 17" W, 1249 m, 01 /III/ 2005, fl. fr., *Salles et al. 3703* (HEPH); São João da Aliança, 12 /II/ 1990, fl., *Hatschbach & Nickolack 53834* (MBM); Serra Geral de Goiás, 14° S, 46' W, 950 m, 30 /III/ 1966, fr., *Irwin et al. 14296* (MG); Simolândia, 14° 26' 13" S, 46° 33' 03" W, 530 m, 18 /II/ 2003, fl., *Fonseca et al. 4101* (HRB, HST, UB); Uruaçu, 12 /IV/ 1972, st., *Rizzo 7989* (UFG); 600 m, 18 /I/ 1992, fl., *Hatschbach et al. 56229* (MBM); **MATO GROSSO:** 12° 54' S, 51° 52' W, 1967/69, fl., *Ratter et al. 915* (UB), 12° 49' S, 51° 46' W, 04 /I/ 1968, fl., *Philcox & Ferreira 3886* (UB), 12° 49' S, 51° 46' W, 29 /II/ 1968, fl., *Philcox & Ferreira 4374* (UB), 16 /XII/ 1976, fl., *Shepherd et al. 4155* (UEC, SP), 25 /I/ 1979, st., *Leitão Filho et al. 9299* (UEC), 23 /I/ 1980, fl., *Macedo et al. 1461* (UFMT), 12 /IV/ 1982, fr., *Monteiro 13499* (UEC), 18 /XI/ 1982, fl., *Santos & Rosário 337* (MG), 28 /II/ 1983, fr., *Guarim Neto et al. s. n.* (UFMT), 19 /III/ 1983, fr., *Lisboa et al. 3093* (MG), 20 /III/ 1983, fl., *Carreira et al. 566* (HRB), 25 /I/ 1989, fl., *Barros 1604* (SP), 25 /I/ 1989, fl., *Cervi & Alquini 2597* (MBM),

02 /II/ 1995, fl. fr., *Dubs 1837* (ESA), 15° 51' S, 58° 09' W, 28 /XII/ 1995, st., *Dubs 2033* (UFMT), 15° 27' S, 53° 43' W, 06 /I/ 1996, fl., *Dubs 2072* (UFMT), 15° 19' 37" S, 55° 44' 42" W, 26 /II/ 1997, *Nave et al. 1257* (ESA), 15° 36' 67" S, 55° 29' 69" W, 19 /II/ 1997, fl., *Nave et al. 1072* (ESA), 15° 19' 37" S, 55° 44' 42" W, 28 /II/ 1997, fr., *Nave et al. 1276* (ESA, UEC); Alto Boa Vista, 11° 41' 51,4" S, 51° 25' 40,8" W, 22 /III/ 1997, fr., *Souza et al. 14937* (ESA); Alto Paraguai, 28 /I/ 1995, st., *Dubs 1802* (ESA); Barra do Garças, 15° 06' 09" S, 52° 24' 26" W, 780 m, 24 /III/ 1997, fr., *Árbocz et al. 3585* (ESA, UFMT); Campo Novo Parecis, 26 /II/ 1995, fl., *Macedo & Godinho 4078* (UFMT); Cuiabá, 15° 35' 47" S, 56° 05' 48" W, 23 /III/ 1892, fl., *Monteiro & Leitão Filho 9* (UFMT), 12 /II/ 1974, fl., *Hatschbach 34071* (MBM), 29 /XI/ 1984, fl., *Guarim Neto 1060* (UFMT), Nobres, 14° 32' S, 56° 11' W, 19 /V/ 1997, st., *Souza et al. 16495* (ESA); Poxoréu, 27 /I/ 1986, fl., *Andersson & Hagberg 1592* (UB); Rio Brilhante, 15 /II/ 1970, fl., *Hatschbach 23618* (MBM), 26 /I/ 1971, fl., *Hatschbach 26135* (MBM); Várzea Grande, 03 /II/ 1994, fr., *Macedo & Godinho 3603* (INPA); **MATO GROSSO DO SUL:** Aquidauana, 20° 26' S, 55° 06' W, 12 /XI/ 1996, fl., *Santos et al. 26* (UB); Iguatemi, 08 /II/ 1998, fl. fr., *Ribas & Pereira 2620* (MBM); Ponta Porã, 09 /II/ 1993, fl., *Hatschbach et al. 58783* (MBM); Rio Verde de Mato Grosso, 07 /II/ 1975, fl., *Hatschbach et al. 35942* (MBM). **MINAS GERAIS:** 17 /I/ 1944, fl., *Macedo 195* (MBM), 950 m, 06 /II/ 1970, st., *Irwin et al. 26161* (UB), 19 /I/ 1978, fl. fr., *Krapovickas et al. 33038* (MBM); Ibiá, 19° 34' 51" S, 46° 29' 47" W, 02 /III/ 1989, fl., *Walter et al. 14* (UB); Indianópolis, 19° 13' S, 47° 57' W, 850 m, 03 /III/ 1986, *Gottsberger & Döring 126-3386* (CESJ); Ituiutaba, 06 /II/ 1949, fl., *Macedo 1611* (SP); Montes Claros, 09 /III/ 1998, fl., *Hatschbach et al. 67538* (MBM); Perdizes, 16 /I/ 2003, fl., *Amorim et al. 451* (UB), 17 /I/ 2003, fl., *Amorim et al. 523* (UB), 14 /II/ 2003, fl. fr., *Arruda et al. 177* (MBM); Prata, 19° 21' 59" S, 49° 02' 28" W, 535 m, 15 /I/ 2005, fl., *Paula-Souza et al. 3858* (ESA); Uberlândia, 11 /III/ 1962, fl. fr., *G.Eiten & L.T.Eiten 3566* (CESJ, SP), 26 /II/ 1988, fl., *Barbosa & Araújo 228* (CESJ), 19 /I/ 1995, st., *Romero 1818* (CESJ), 23 /II/ 1995, fr., *Romero & Nakajima 1822* (HUEFS); **PARÁ:** Monte Alegre, 11 /V/ 1953, st., *Lima 53-1560* (IPA); **TOCANTINS:** Palmas, 10° 18' 17" S, 48° 10' 30" W, 17 /III/ 1994, fr., *Bucci et al. 135* (HEPH, UB), 10° 15' 13" S, 48° 54' 5" W, 18 /III/ 1994, fl. fr., *Bucci et al. 204* (HEPH).

***Amasonia lasiocaulis***

**BRASIL, ACRE:** Cruzeiro do Sul, 08 /III/ 1976, fl., *Ramos & Mota 345* (INPA); **AMAZONAS:** 02° 53' S, 59° 58' W, 27 /V/ 1998, fr., *Souza et al. 700* (INPA), 11 /IX/ 2001, fl., *Loureiro et al. s. n.* (INPA-48258); 12 /IX/ 2001, fr., *Mello & Mota 49A* (INPA); 23 /IX/ 2001, fl., *Anjos 60* (INPA); Itacoatiara, 14 /IX/ 2001, fl. fr., *Anunciação et al. 816* (SP); Manaus, 27 /II/ 1961, fl., *Rodrigues & Coêlho 2170* (INPA), 02° 24' S, 59° 52' W, 05 /IX/ 2001, fr., *Kinupp & Pereira 2019* (INPA), 7500 m, 06 /IX/ 2001, fr., *Kinupp 1785* (INPA), 2° 53' S, 58° 59' W, 07 /IX/ 2001, *Groppa Jr. et al. 922* (INPA), 2° 53' S, 58° 59' W, 13 /IX/ 2001, fl. fr., *Mello & Coêlho s. n.* (INPA-3638), 16 /IX/ 2001, fr., *Ribeiro et al. 939* (INPA), 21 /IX/ 2001, fl. fr., *Rodrigues & Chagas 4410* (INPA), 21 /IV/ 2004, fr., *Carvalho 169* (INPA), Nova Prainha, 22 /IX/ 2001, st., *Mota & Coêlho s. n.* (INPA-60630); Rio Mairé, 10 /IX/ 2001, st., *Maia et al. 440* (INPA); **CEARÁ:** Aratuba, 08 /IX/ 2001, fr., *Nunes & Martins s. n.* (EAC-8618); Barra do Corda, 09 /IX/ 2001, fl., *G. Eiten & L. T. Eiten 10257* (SP); **MARANHÃO:** Buritirama, 05° 27' S, 46° 57' W, 15 /IX/ 2001, fr., *Arouck Ferreira & Miranda 320* (HRB); Estreito, 07 /III/ 2007, fl., *Pereira-Silva & Moreira 11230* (CEN); **MATO GROSSO:** 17 /IX/ 2001, fl., *Kuhlmann 1337* (SP); **PARÁ:** Bagre, 23 /VI/ 2008, fl. fr., *Árbocz et al. s.n.* (IAC-49969); Cruzeiro do Sul, 13 /IV/ 1971, fl., *Prance et al. 11782* (MG); Jacundá, 20 /V/ 1997, fl., *Miranda et al. 430* (INPA); Marabá, 6° 00' S, 50° 18' W, 26 /V/ 1969, fl. fr., *Cavalcante 2184* (MG), 25 /III/ 1977, fl., *Silva 2864* (MG); 20 /III/ 1984, fl., *Silva et al. 1930* (MG); Moju, 13 /VI/ 2002, *Oliveira et al. 440* (MG); Oriximiná, 03 /VI/ 1980, st., *Martinelli 6756* (INPA); Palestina do Pará, 6° 07' 08" S, 48° 25' 02" W, 160 m, 18 /IV/ 2004, fl., *Silva et al. 8835* (CEN); Portel, 72 m, 22 /VI/ 2008, fl., *Bernacci et al. 4534* (IAC); Santarém, 01 /IX/ 1998, fr., *Costa 35-A* (INPA); São Domingos do Capim, 05 /VII/ 1974, fl. fr., *Cavalcante 3001* (MG); **RODÔNIA:** 10° 10' 12" S, 61° 54' 28" W, 18 /IX/ 2001, st., *Romaniuc Neto et al. 654* (CESJ); 10° 10' 12" S, 61° 54' 28" W, 20 /IX/ 2001, fl., *Romaniuc Neto et al. 657* (SP); **TOCANTINS:** Itacajá, 07 /V/ 2000, fl., *Santos et al. 683* (CEN).

***Amasonia obovata***

**BRASIL, AMAZONAS:** Borba, 06° 50' S, 59° 00' W, 26 /IX/ 2001, st., *Henderson et al. 360* (INPA); Humaitá, 07° 45' S, 62° 32' W, 28 /IX/ 2001, st., *Teixeira et al. 1205 A* (INPA); Manaus, 02° 24' S, 59° 52' W, 50-125 m, 25 /IX/ 2001, fr., *Dick 171* (INPA); **MATO GROSSO:** Sinop, 27 /IX/ 2001, fl., *Yoshitak & Suli 10* (UFMT); **PARÁ:** Altamira, 10 /XII/

Santos, J. S. Sistemática do gênero *Amasonia*...

2007, fl., *Salomão 993* (MG); Itaituba, 5° 55' S, 55° 40' W, 24 /IX/ 2001, fl., *Amaral et al. 1290* (INPA); Marabá, 28 /I/ 1985, fl., *Nascimento & Bahia 1034* (MG), Marabá, 23 /IV/ 1985, fl., *Rosa et al. 4700* (MG); **PIAUÍ**: Batalha, 18 /III/ 2006, fl., *Oliveira et al. 39* (TEPB); Guaribas, 90° 98' 44" S, 43° 38' 37" W, 29 /V/ 2008, fr., *Barros et al. 3245* (TEPB); **TOCANTINS**: Ananas, 06° 08' 36" S, 48° 20' 00" W, 140 m, 15 /IV/ 2004, fl., *Pereira-Silva et al. 8576* (CEN).

***Amasonia spruceana***

**BRASIL, BAHIA**: 10° 22' S, 41° 20' W, 04 /III/ 1974, fr., *Harley et al. 6707* (IPA); Seabra, 20 /III/ 1980, fr., *Pinto 136/80* (HRB), 12° 15' S, 41° 18' W, 19 /III/ 1985, fr., *Fonseca & Araújo, 446* (HRB); **PARÁ**: 24 /VIII/ 1959, st., *Kuhlmann & Jimbo 114* (CESJ, SP); Paragominas, 06 /VIII/ 1977, st., *Tokarnia 1356* (INPA).

## **6. ANEXOS**

**ANEXO 1.** Normas para publicação no periódico *Blumea***BLUMEA**

## Biodiversity, evolution and biogeography of plants

An international journal on the biodiversity, evolution and biogeography of plants (systematics, floristics, phylogeny, morphology, anatomy). For floristic studies, the focus is on tropical Africa south of the Sahara; tropical Southeast Asia with a strong emphasis on Malesia; South America with emphasis on the Guianas. The language is English.

***Instructions for the preparation of manuscripts*****Structure of the manuscript****Language**

Use British English throughout, with spelling following the Cobuild English Dictionary (HarperCollins Publishers, London). Summaries in other languages using the Latin alphabet may be included.

**Title**

Start with a concise and informative English title, followed by the name(s) and address(es) of the author(s). In taxonomic papers the family name should be included in the title. Avoid citing authors of plant names in headings.

**Summary**

Each paper should be provided with a summary not exceeding 250 words. Do not include references, author citations or descriptions.

**Keywords**

Provide, on a separate line, up to 7 key words.

**Keys**

For keys the bracketed type is compulsory. Do not space items by typing blanks or dots!

**Citations in text**

Citations in the text should be as follows (please note the absence of commas between author and year!):

- One author: Lam (1932) or (Lam 1932) or Lam (1932: 288).
- Two authors: Smith & Gomez (1990) or (Smith & Gomez 1990).
- Three or more authors: Smith et al. (1990) or (Smith et al. 1990). But give all author names in the References.

- Multiple references when within parentheses (Liu 1977, Smith 1989, 1990).
- Do not use “l.c.” to refer to a full citation given earlier, but repeat the full citation.

Citations in synonymy blocks should include *author and year* only, as follows:

- *Hemarhtria longiflora* (Hook.f.) A.Camus (1922) 380
- *Rottboelia longiflora* Hook.f. (1869) 154

The full citation, including titles of papers, book titles, journal names, etc., must be added to ‘References’ in the format that is used in that section.

**Please note** that exceptionally, the reference to a basionym for a new combination should include a “full and direct reference” (ISBN art. 33.4) as follows:

**Friesodielsia ovalifolia** (Ridl.) I.M.Turner, *comb. nov.* -- *Melodorum ovalifolium* Ridl., Bull. Misc. Inform. Kew 1912: 387.

For both authors and journals Blumea follows the standard abbreviations used by IPNI ([www.ipni.org](http://www.ipni.org)). These are also available in R.K. Brummitt & C.E. Powell (eds.) ‘Authors of Plant Names’ (APN), Royal Botanic Gardens, Kew, and in ‘Botanico-Periodicum-Huntianum’ (BPH).

### **Electronic sources**

References to sources that are available only electronically should provide a doi-specification, or else the full URL (incl. the specification <http://> or otherwise), as well as the date on which last accessed.

For in-text citations, use the following format:

- For online-only publications, e.g. in PLOS-journals, and other resources that are clearly attributable to one or more authors, cite author(s) and year (as above). Provide the full reference in the List of references (see below).
- For other resources, such as download locations, that are not clearly attributable to one or more authors, give the full URL and the date on which accessed in the text (not in a footnote), e.g.: “Collection localities were georeferenced with the aid of the Alexandria Digital Library Gazetteer(<http://middleware.alexandria.ucsb.edu/client/gaz/adl/index.jsp>, last accessed 22 November 2008).”

In the list of references, include only the references to the first type of publications.

### **Species names**



On subsequent use, genus names may be abbreviated (*R. longiflora*) except when they are the first word of a sentence.

### **Specimens**

Citation of collections in full (including locality data, dates, etc.) is only permitted for type specimens and for the (usually few) specimens of new taxa. Other specimens should be included in an Identification List.

The order of the parts of specimen citations (type specimens, specimens of new taxa) should be: *collector* + *number* (herbaria), locality (country, province, etc.), date. Note the use of italics for collector and number.

The use of conventional signs like “!” to indicate specimens seen is undesirable - please cite only specimens seen, and use “not seen”, “not found” etc. when it is necessary to refer to a specimen that you have not seen.

If only an on-line picture has been seen, the citation should be followed by the complete URL and the date on which last accessed:

“*Bory de St. Vincent s.n.* (L), Mauritius, 1844  
(<http://145.18.162.53:81/c8?ent=300017&rec=43165&sct=1>, last accessed 9 October 2003)”

### **Voucher specimens**

Whenever applicable (in anatomical, molecular studies etc.), voucher specimens should be clearly indicated, with the herbarium in which they are deposited.

### **List of references**

Blumea strives to adhere to the Appropriate Citation of Taxonomy (Seifert et al. 2008, *Persoonia* 20: 105). This implies that the list of references should contain:

- All references cited in the text *and in the synonymy of the species*.
- Wherever possible references for *all DNA sequences used*, even if these were downloaded from GenBank.
- As much as reasonably possible, the original publications for all binomials used in the text, in particular when the binomials are recent. When large numbers of taxa are cited, e.g. for descriptions of vegetation, this requirement may be superseded by the next one.
- Publications, revisionary or floristic, that form the basis of the taxonomy adopted *even if only species names are used that derive their meaning from that publication*. Thus, the use of a particular identification tool used in identifying material is to be

considered *sufficient reason* to cite that tool. In the case of long-established species or long lists of species, the citation of a recent revision of this typemay replace the citations for the original binomials.

Please follow this guideline as much as possible. It is intended to increase the visibility of taxonomic literature to the various citation indexing services.

On-line sources cited should include the doi specification or if that is unavailable, the full URL and date on which last accessed.

Thus, citations in the 'References' should be as follows:

Books, e.g.:

- Hillis WE. 1987. Heartwood and tree exudates. Springer Verlag, Berlin.

Chapter in a book, e.g.:

- Esau K. 1964. Structure and development of the bark in dicotyledons. In: Zimmermann MH (ed.), The formation of wood in forest trees: 37--50. Academic Press, New York.

Journals, e.g.:

- Bailey IW, Nast CG. 1945. Morphology and relationships of *Trochodendron* and *Tetracentron*, 1. Stem, root, and leaf. *Journal of the Arnold Arboretum* 26: 143--154.

On-line publications:

- Hull D, Pettifer SR, Kell DB. 2008. Defrosting the digital Library: Bibliographic tools for the next generation web. *PLoS Computational Biology* 4(10): e1000204 doi:10.1371/journal.pcbi.1000204. Last accessed 22 April 2008.

When publications have a very limited distribution (as may be the case with internal reports) we recommend that whenever possible, an on-line source is cited in addition to the normal reference. In the case of normal printed publications, a reference to an additional on-line source is not necessary.

### **Format**

- Always write out the name(s) of author(s) in full, i.e., do not replace author names with a long dash, when the author(s) is (are) the same as in the immediate preceding citation(s).
- Initials follow an authors name for all authors, not only first ones.
- No space or periods between the initial(s) of an author's name.
- Leave one space between the volume number with colon and page numbers in a journal article.

- Cite all journals as much as possible with full title. In on-line publications, this allows the titles to be cross-linked.

For journals no longer current, this requirement may be dropped. Thus “Journal of the Arnold Arboretum” is preferred over “J. Arn. Arb.” but “Nov. Actorum Acad. Caes. Leop.-Carol Nat. Cur.” need not be cited in full.

- Use double hyphens between page numbers, e.g., Journal of the Arnold Arboretum 10: 72--81.
- Do not use italics or bold in the references.
- Use European-style capitalization, that is, capitalize only first letters of proper names, distinct geographic units and genus names.

### **Sorting**

References and specimens lists should be sorted following international standards. Please note that (Dutch or otherwise) names with prefixes (Van, De, Van de, Mc, Mac, O' etc.) should be sorted on the first letter of the prefix: Van Steenis will appear under V; De Vogel under D, etc.

### **Figures and tables**

Captions of all illustrations must be given on a separate page in the manuscript, figures and tables themselves in a separate file. Citations in the text should be in numerical order as far as possible. Captions of illustrations should include a full citation of the specimen used in preparing the illustration (collector + number, herbarium)

### **Index**

At the end of large papers an index of scientific names should be given, preferably referring to the taxon numbers.

Always check the latest issues of *Blumea* for guidance. Make your descriptions with headings etc. conform to *Blumea* standards!

### **Preparing the text**

#### **Fonts and lay-out**

- Scientific names should be in italics. All other font attributes will be applied by the editors. If you wish, you may highlight a word by using italics or bold.
- Please indicate fonts using font attributes only. Keep away from the CAPS LOCK-key: do not type uppercase except for initials.
- Place major headings on a separate line.

- Do not indent or tabulate items using spaces. Indentation, where necessary, will be applied by the editors. Separate tabulated items with single tabs.

### **Measurements**

- Use metric units throughout the descriptions – m, cm, mm
- For fractions of numbers the decimal system is preferred.
- Use a double hyphen for ranges of quantitative values, e.g., 4--10 mm, (5--7--9 cm, without spaces.
- Indicate length and width clearly when used in isolation (3 mm long), or combine using “by” (3 by 4 mm), not “x”.

### **Preparing illustrations**

- Illustrations may be grayscale or colour illustrations with a resolution of at least 300 DPI, or line illustrations with a resolution of 1200 DPI. Please use a size that is at least equal to the printed size.
- If you want to combine photographs (or drawings) into plates, include the separate photographs with a clear indication how they should be combined. Maximum page dimensions for a plate are 170 by 240 mm.
- Magnifications should be indicated by a scale bar in the image.

### **Costs of colour photographs**

Blumea will print colour photographs, but the author may be required to pay for the additional printing costs.

Please inquire.

### **Submitting the manuscript**

#### **Electronic manuscripts**

Submission of electronic manuscripts is encouraged.

For reviewing purposes, manuscripts in PDF-format are acceptable, in that case, use double spacing, at least 1- inch margins all round, and format for A4 (not Letter).

For the final submission of the manuscript, use either MS-Word (use Office 2003-format), or RTF for text.

Illustrations should be submitted as separate files (JPEG, TIFF, AI or EPS), and not be embedded in Word or Powerpoint, except for (annotated) cladograms, for which Powerpoint is acceptable. Size of the image should be equal to or larger than the intended size in print, using 1200 DPI for line-art, 300 dpi for grayscale or colour (CMYK). Preferably use an

uncompressed format (TIFF or PSD is preferred), use TIFF-LZW compression only for line-art, and compression for JPG only in highest quality.

If you combine separate files into a single file, TAR or ZIP-format is acceptable.

Please consult us before using any other file types.

### **Printed manuscripts**

Typed manuscripts are considered when they strictly follow the following format:

- Apply double spacing throughout the manuscript
- Use margins of at least 1 inch (2.5 cm) all round
- Print one-sided only

Illustrations should be either black-and-white photographs printed on glossy paper or text figures executed in India ink (preferably *not* on transparent or tracing paper), or photographic reproductions thereof.

### **Copyrights**

Authors submitting a manuscript do so on the understanding that on acceptance of the manuscript, they will be asked to transfer the copyrights in the article, including the right to reproduce the article in all forms and media, to the Publishers of Blumea. Authors retain the right to exchange prints or electronic copies with colleagues and to use the work for educational purposes.

### **Address**

E-mail attachments: [blumea@nhn.leidenuniv.nl](mailto:blumea@nhn.leidenuniv.nl)

CD or printed manuscripts:

Editor, Blumea

PO Box 9514

2300 RA Leiden

The Netherlands

### ***Quick checklist***

#### **Front matter**

- Title includes family name in taxonomic papers
- Summary max. 250 words
- Up to 7 keywords

#### **Keys**

- Bracketed
- Dichotomous

**Fonts and lay-out**

- Italic* for scientific names **incl. family names etc.**
- Major headings on separate line.
- No indents

**Measurements**

- Decimal units, not abbreviations (m, cm, mm)
- 4 cm long, *or* 4 by 5, *not* 4 x 5
- Double hyphen for ranges
- Fractions: decimal whenever possible

**Citations in text (notice no comma's!)**

- One author: Lam (1932) *or* (Lam 1932) *or* Lam (1932: 288).
- Two authors: Smith & Gomez (1990) *or* (Smith & Gomez 1990).
- Three or more: Smith et al. (1990) *or* (Smith et al. 1990).
- Multiple references (Liu 1977; Smith 1989, 1990).
- Online sources in text, with URL and date last accessed

**Citations in synonymy (notice no journal cited!)**

- Hemarthria longiflora* (Hook. f.) A. Camus (1922) 380
- Author abbreviations use IPNI: [www.ipni.org](http://www.ipni.org)

**Specimens****Use full citation only for**

- type specimens
- specimens of new taxa – if more than c. 20 specimen are cited use Identification list.

**Full citation includes:**

- collector (not abbreviated), number (herbaria), locality (country, province, etc.), date.

**Figures and tables**

- Cite in numerical order as far as possible: Fig. N *or* (Fig. N)
- Captions on separate page

**List of References includes all references from**

- references in the text
- synonymy of the species
- cited recent binomials

**List of References format**

- Author names without periods or spaces e.g.: Bailey IW, Nast CG. 1945
- Title of paper without italics, e.g.: Morphology and relationships of *Trochodendron* and

Santos, J. S. Sistemática do gênero *Amasonia*...

Tetracentron, 1. Stem, root, and leaf.

- Journal names in full, exceptionally abbreviated acc. to IPNI
- Online publications include doi or URL and date last accessed
- Sort on first letter of prefix (Van, De, Van de, Mc, Mac, etc.)

**ANEXO 2.** Normas para publicação no periódico *Taxon***GUIDELINES FOR AUTHORS**

*Taxon* publishes original papers dealing with systematic botany in the widest sense. Emphasis is on articles with new and important results of a general nature: molecular phylogenetics, phylogeography, methodology, taxonomy, systematic of higher categories, nomenclature, biosystematics, chemotaxonomy, mycology, lichenology, palaeobotany, palynology, history of systematics, biography, bibliography, biodiversity, conservation, and related subjects. Original articles are published in various columns, e.g., “Molecular phylogenetics”, “Taxonomy”, “Methods and Techniques”, “Herbaria and Institutions”, “Biodiversity and Conservation”, “Nomenclature”, etc.

Authors are not encouraged to submit manuscripts including new classifications without underlying original (molecular, morphological, etc.) analyses. We discourage submission of monographs, revisions, and description of new species unless the species are of particular phylogenetic or biological importance and/or are presented in a wider framework using a broad array of methodological approaches. Articles on a narrow basis or of narrow scope will be rejected without review. These include molecular studies based on a single marker and nomenclature papers dealing with routine typification without taxonomic or nomenclatural complexity. [Further information on the type of nomenclatural paper acceptable for *Taxon* is available at [http://www.botanik.univie.ac.at/iapt/downloads/evaluation\\_nomenclature.pdf](http://www.botanik.univie.ac.at/iapt/downloads/evaluation_nomenclature.pdf) or the Nomenclature Editor ([TaxonNom@rbge.ac.uk](mailto:TaxonNom@rbge.ac.uk)).]

Manuscripts must be written in correct English (either American or British spelling is acceptable, but this must be consistent within each manuscript) and be prepared carefully according to the style of the journal. Manuscripts that do not conform to the style of *Taxon* will be rejected.

**Points of View**

Challenging new ideas, or comments on extant ones, are welcomed and may be presented in the “Points of View” column. Editorial requirements are the same as for articles, except that abstracts are not required. Tables, illustrations, and literature cited should be kept to a minimum, the ideal length of such contributions being 2–4 printed pages. Publication of dissenting or supporting views by others is encouraged. No external reviews for these manuscripts will usually be solicited; acceptance will be granted by the Editors, the main criteria being interest and timeliness of the topic.



### **Nomenclature proposals**

Guidelines for proposals to conserve and/or reject names [see *Taxon* 56 (1):249–252. 2007 or [http://www.botanik.univie.ac.at/iapt/downloads/guidelines\\_proposals.pdf](http://www.botanik.univie.ac.at/iapt/downloads/guidelines_proposals.pdf)] or to amend the *International Code of Botanical Nomenclature* [see *Taxon* 56 (1): 270–271. 2007] are published separately and differ in some important respects from those given below. Manuscripts of proposals should be prepared according to the appropriate set of guidelines. All proposals will be checked by the nomenclature editors and may be modified to conform to the rules and requirements of the International Code of Botanical Nomenclature in consultation with the author.

### **Submission and review process**

All manuscripts intended for publication in *Taxon* are submitted online via: <http://www.taxon-manuscripts.org> except for announcements, book reviews and advertisements. Announcements (to appear in the column “Plant Systematics World”) are sent to [tod.stuessy@univie.ac.at](mailto:tod.stuessy@univie.ac.at), advertisements to [office@iapt-taxon.org](mailto:office@iapt-taxon.org), items for book reviews are to be sent directly to the column editor, Rudi Schmid, 16 Edwin Dr., Kensington, California 94707, U.S.A. ([schmid@berkeley.edu](mailto:schmid@berkeley.edu)).

Text (in correct English and conforming to the style of *Taxon*) and tables must be in Word-compatible formats (doc, or rtf-files), figures in separate pdf or jpg-files. All material must be double-spaced, including abstract and literature cited, with margins of at least 3 cm on all sides of the page. Pages are numbered consecutively. All original papers will be scrutinized by two or more referees. Articles for the nomenclature section or papers with an important nomenclatural component will, in addition, be checked by one of the nomenclature editors. Proposals, book reviews, and news items for Plant Systematics World are handled by the respective column editors. By submitting a contribution for publication, authors tacitly agree to (1) not submit in parallel the same manuscript to another journal, and (2) assign the copyright to the publishers of *Taxon* (such assignment taking effect as soon as the author receives written confirmation of acceptance of the manuscript). Rejected manuscripts will be discarded, except for original art-work and photographs, which will be returned to the authors.

### **Tracking the manuscript review process online**

Authors can track the status of their manuscript at: <http://www.taxon-manuscripts.org>.

### **Page charges**

Non-IAPT members: 4 free printed pages, then EUR 50 per page. IAPT individual members: no page charges.

### **Preparation of text**

Consult a recent issue of *Taxon* and carefully follow the following instructions. For original papers, provide an informative abstract and 5–6 keywords in alphabetical order (indicating taxa, methods, main topic, geographic region) and a short title to be used as running head. Try to structure the manuscript into Introduction, Materials and Methods, Results, Discussion, (Acknowledgements) and Literature Cited. Give the full addresses of all authors and the e-mail address of the author who will receive correspondence. Keep title and subheadings short and informative. Only two subheading categories are encouraged: the primary ones standing alone, the secondary ones being followed by a period and a long dash (or triple hyphen), with the subsequent text running on. Authors are requested to check correct spelling and authors of scientific names before submission, and abbreviate authors of scientific plant names in conformity with Brummitt & Powell, *Authors of Plant Names* [Kew, 1992; also incorporated in *International Plant Names Index* (IPNI), <http://www.ipni.org/> and *Index Fungorum*, <http://www.indexfungorum.org>] except for leaving a space between any initials and the surname, as in *Index Fungorum* (e.g., “R.E. Fr.”, not “R.E.Fr.”). Authors of scientific names should be given at least once in the text or in tables.

A single blank must always follow after a period, colon, semicolon, or comma (except within numerals, standard abbreviations such as e.g., i.e., l.c., s.str., s.l., and authors initials: “Brown, A.J.” not “Brown, A. J.”; “32: 120--130” not “32:120- 130”), and between numerals and units of measure: “2 mm” not “2mm”, but “5%” not “5 %”;  $x = 5$  not  $x=5$ . Use a double hyphen between page numbers and measurements, “120--130” not “120-130.”

#### **Tables, appendices, and figures**

Tables must have an appropriate heading and must bear consecutive Arabic numerals. They are cited “Table 1,” etc. and are appended separately at the end of the manuscript. Long tables including plant materials or accessory materials are designed as an Appendix and run in paragraphs (order alphabetically after taxon names; see recent issue of *Taxon* for style). Very lengthy material not suitable for the printed version due to space limitation is included as Electronic Supplement in the online version (<http://www.ingentaconnect.com/content/iapt/tax>) of the article, but not in the printed version.

Figures must be sharp, rich in contrast, and designed to fit the full page width after reduction (16.6 cm); with caption they may occupy the full page length (19.9 cm). Scale(s) are given in the illustration, not in the legend. Use Arial fonts for text included in the figures and be certain that after reduction all lettering and symbols are clear and easy to read. All illustrations must be numbered consecutively using Arabic numerals. They should be cited

“Fig. 1” or “Figs. 1--4” in sequential order. Plates comprising several figures or photographs should have internal numbers or capital letters (A, B, C) for reference (use Arial fonts). Legends are appended separately at the end of the manuscript. Photographs, especially those of herbarium specimens, must be of exceptional quality and submitted as close to *Taxon* page size as possible, avoiding “landscape” (i.e., horizontal) orientation. Normally only previously unpublished illustrations are acceptable. If circumstances require the reproduction of copyright material, authors are responsible for obtaining written permission from the copyright holder (a signed permission to accompany the revised typescript).