Appendix 2. List of common species below 500 m in the Madidi region (Bolivia). \* after the *h*p index indicates if the species also has been considered oligarchic in other regions in the Amazonia, according to Appendix 1 of Pitman et al. (2013) and, in the case of lianas, Table 3 of Burnham (2002).

|  |  |  |
| --- | --- | --- |
| Family | Species | *h*p index (%) |
| Amaranthaceae | *Hebanthe occidentalis* (R.E. Fr.) Borsch & Pedersen (liana) | 3.03 |
| Anacardiaceae | *Tapirira guianensis* Aubl. | 1.52 \* |
| Annonaceae | *Cremastosperma leiophyllum* (Diels) R.E. Fr. | 3.03 |
|  | *Duguetia hadrantha* (Diels) R.E. Fr. | 1.52 |
|  | *Duguetia spixiana* Mart. | 4.55 |
|  | *Mosannona parva* Chatrou | 3.03 |
|  | *Oxandra* aff. *acuminata* = Manuel J. Macía 5777 | 3.03 |
|  | *Ruizodendron ovale* (Ruiz & Pav.) R.E. Fr. | 1.52 \* |
|  | *Unonopsis floribunda* Diels | 1.52 |
| Apocynaceae | *Forsteronia graciloides* Woodson (liana) | 3.03 |
| Araliaceae | *Dendropanax arboreus* (L.) Decne. & Planch. | 1.52 \* |
| Arecaceae | *Astrocaryum murumuru* Mart. | 3.03 \* |
|  | *Attalea phalerata* Mart. ex Spreng. | 1.52 |
|  | *Bactris major* Jacq. | 4.55 |
|  | *Chamaedorea angustisecta* Burret | 1.52 |
|  | *Euterpe precatoria* Mart. | 4.55 \* |
|  | *Iriartea deltoidea* Ruiz & Pav. | 10.61 \* |
|  | *Mauritia flexuosa* L. f. | 4.55 |
|  | *Oenocarpus mapora* H. Karst. | 3.03 |
|  | *Socratea exorrhiza* (Mart.) H. Wendl. | 6.06 \* |
| Bignoniaceae | *Cydista lilacina* A.H. Gentry (liana) | 3.03 |
|  | *Roentgenia bracteomana* (K. Schum. ex Sprague) Urb. (liana) | 1.52 |
|  | *Xylophragma pratense* (Bureau & K. Schum.) Sprague (liana) | 3.03 |
| Boraginaceae | *Cordia nodosa* Lam. | 1.52 |
| Burseraceae | *Protium amazonicum* (Cuatrec.) D.C. Daly | 3.03 \* |
|  | *Protium rhynchophyllum* (Rusby) D.C. Daly | 3.03 |
|  | *Tetragastris altissima* (Aubl.) Swart | 3.03 \* |
| Buxaceae | *Styloceras brokawii* A.H. Gentry & R.B. Foster | 3.03 |
| Cannabaceae | *Celtis iguanaea* (Jacq.) Sarg. | 1.52 |
|  | *Celtis schippii* Standl. | 4.55 \* |
| Celastraceae | *Hippocratea volubilis* L. (liana) | 3.03 |
|  | *Cheiloclinium cognatum* (Miers) A.C. Sm. | 1.52 |
|  | *Salacia impressifolia* (Miers) A.C. Sm. | 1.52 |
| Chrysobalanaceae | *Hirtella bullata* Benth. | 1.52 |
|  | *Hirtella racemosa* Lam. | 6.06 |
|  | *Licania brittoniana* Fritsch | 1.52 |
| Clusiaceae | *Garcinia gardneriana* (Planch. & Triana) Zappi | 1.52 |
|  | *Garcinia madruno* (Kunth) Hammel | 4.55 |
| Combretaceae | *Combretum laxum* Jacq. (liana) | 1.52 \* |
|  | *Terminalia amazonia* (J.F. Gmel.) Exell | 1.52 \* |
| Cyatheaceae | *Cyathea amazonica* R.C. Moran | 3.03 |
| Dichapetalaceae | *Tapura juruana* (Ule) Rizzini | 1.52 |
| Elaeocarpaceae | *Sloanea fragrans* Rusby | 1.52 \* |
|  | *Sloanea guianensis* (Aubl.) Benth. | 3.03 |
| Euphorbiaceae | *Mabea anadena* Pax & K. Hoffm. | 1.52 |
| Fabaceae | *Dalbergia frutescens* (Vell.) Britton (liana) | 3.03 |
|  | *Inga thibaudiana* DC. | 3.03 \* |
| Hernandiaceae | *Sparattanthelium amazonum* Mart. (liana) | 1.52 |
| Lacistemataceae | *Lacistema aggregatum* (P.J. Bergius) Rusby | 1.52 |
| Lauraceae | *Aiouea grandifolia* van der Werff | 1.52 |
|  | *Aniba panurensis* (Meisn.) Mez | 1.52 |
|  | *Nectandra pulverulenta* Nees | 1.52 \* |
| Lecythidaceae | *Cariniana estrellensis* (Raddi) Kuntze | 3.03 |
|  | *Eschweilera andina* (Rusby) J.F. Macbr. | 1.52 \* |
| Loganiaceae | *Strychnos asperula* Sprague & Sandwith (liana) | 3.03 |
| Malvaceae | *Byttneria pescapriifolia* Britton (liana) | 3.03 |
|  | *Pentaplaris davidsmithii* Dorr & C. Bayer | 6.06 |
|  | *Quararibea wittii* K. Schum. & Ulbr. | 6.06 \* |
|  | *Theobroma cacao* L. | 1.52 \* |
| Melastomataceae | *Miconia centrodesma* Naudin | 3.03 |
|  | *Mouriri myrtilloides* (Sw.) Poir. | 3.03 |
|  | *Tococa guianensis* Aubl. | 4.55 |
| Meliaceae | *Guarea gomma* Pulle | 3.03 \* |
|  | *Guarea guidonia* (L.) Sleumer | 1.52 |
|  | *Guarea kunthiana* A. Juss. | 3.03 \* |
|  | *Guarea macrophylla* Vahl | 6.06 \* |
|  | *Guarea pterorhachis* Harms | 1.52 \* |
|  | *Trichilia pleeana* (A. Juss.) C. DC. | 3.03 |
| Menispermaceae | *Abuta grandifolia* (Mart.) Sandwith | 1.52 |
| Monimiaceae | *Mollinedia ovata* Ruiz & Pav. | 3.03 |
| Moraceae | *Brosimum alicastrum* Sw. | 3.03 \* |
|  | *Clarisia biflora* Ruiz & Pav. | 1.52 \* |
|  | *Naucleopsis krukovii* (Standl.) C.C. Berg | 3.03 \* |
|  | *Poulsenia armata* (Miq.) Standl. | 1.52 |
|  | *Pseudolmedia laevis* (Ruiz & Pav.) J.F. Macbr. | 4.55 \* |
|  | *Pseudolmedia macrophylla* Trécul | 4.55 \* |
|  | *Sorocea briquetii* J.F. Macbr. | 3.03 \* |
|  | *Sorocea guilleminiana* Gaudich. | 3.03 |
| Myristicaceae | *Otoba glycycarpa* (Ducke) W. Rodrigues & T.S. Jaramillo | 3.03 \* |
|  | *Otoba parvifolia* (Markgr.) A.H. Gentry | 3.03 \* |
|  | *Virola sebifera* Aubl. | 1.52 \* |
| Myrtaceae | *Calyptranthes lanceolata* O. Berg | 3.03 |
|  | *Eugenia florida* DC. | 1.52 |
|  | *Myrciaria floribunda* (H. West ex Willd.) O. Berg | 1.52 |
| Phyllanthaceae | *Hieronyma alchorneoides* Allemão | 1.52 |
| Piperaceae | *Piper glabratum* Kunth | 4.55 |
|  | *Piper heterophyllum* Ruiz & Pav. | 3.03 |
|  | *Piper obliquum* Ruiz & Pav. | 4.55 |
|  | *Piper reticulatum* L. | 3.03 |
| Poaceae | *Guadua sarcocarpa* Londoño & P. M. Peterson | 3.03 |
| Polygonaceae | *Triplaris americana* L. | 1.52 |
|  | *Triplaris setosa* Rusby | 4.55 |
| Primulaceae | *Stylogyne ambigua* (Mart.) Mez | 3.03 |
|  | *Stylogyne cauliflora* (Mart. & Miq.) Mez | 3.03 |
| Putranjivaceae | *Drypetes amazonica* Steyerm. | 3.03 \* |
| Rubiaceae | *Uncaria guianensis* (Aubl.) J.F. Gmel. (liana) | 3.03 \* |
|  | *Uncaria tomentosa* (Willd.) DC. (liana) | 3.03 |
|  | *Ixora peruviana* (Spruce ex K. Schum.) Standl. | 3.03 |
|  | *Psychotria viridis* Ruiz & Pav. | 1.52 |
| Rutaceae | *Erythrochiton fallax* Kallunki | 1.52 |
| Sabiaceae | *Meliosma herbertii* Rolfe | 1.52 \* |
| Salicaceae | *Casearia sylvestris* Sw. | 1.52 \* |
|  | *Hasseltia floribunda* Kunth | 1.52 \* |
|  | *Lunania parviflora* Spruce ex Benth. | 3.03 \* |
| Sapindaceae | *Allophylus floribundus* (Poepp.) Radlk. | 3.03 |
| Sapotaceae | *Pouteria bangii* (Rusby) T.D. Penn. | 3.03 |
|  | *Pouteria cladantha* Sandwith | 3.03 |
|  | *Pouteria torta* (Mart.) Radlk. | 1.52 \* |
|  | *Sarcaulus brasiliensis* (A. DC.) Eyma | 1.52 |
|  | *Sarcaulus* vel. sp. nov. Radlk. = Edwin J. Ticona 181 | 3.03 |
| Siparunaceae | *Siparuna bifida* (Poepp. & Endl.) A. DC. | 4.55 |
|  | *Siparuna decipiens* (Tul.) A. DC. | 6.06 \* |
|  | *Siparuna guianensis* Aubl. | 1.52 |
| Ulmaceae | *Ampelocera edentula* Kuhlm. | 1.52 \* |
| Urticaceae | *Pourouma cecropiifolia* Mart. | 1.52 \* |
|  | *Pourouma minor* Benoist | 3.03 \* |
| Verbenaceae | *Petrea maynensis* Huber (liana) | 3.03 \* |
| Violaceae | *Leonia crassa* L.B. Sm. & A. Fernández | 3.03 \* |
|  | *Leonia glycycarpa* Ruiz & Pav. | 6.06 \* |
|  | *Rinorea apiculata* Hekking | 7.58 \* |
|  | *Rinorea viridifolia* Rusby | 10.61 \* |
|  | *Rinoreocarpus ulei* (Melch.) Ducke | 3.03 \* |