

AT1

Lista de las especies de árboles muestreadas en cinco sitios de la Sierra Madre de Chiapas, México. Se indica su estatus de conservación de acuerdo con la Lista Roja de especies amenazadas (González-Espinosa et al., 2011) y las abundancias observadas en cada sitio. Sitio de estudio: Sep = La Sepultura, Pij = Pijijiapan, Tri = El Triunfo, Pic = Pico de Loro, Tac = Tacaná.

AT1

Checklist of tree species sampled at five sites of the Sierra Madre de Chiapas, Mexico. Their conservation status, according to the Red List of threatened species (González-Espinosa et al., 2011), and the abundances observed at each site are indicated. Study site: Sep = La Sepultura, Pij = Pijijiapan, Tri = El Triunfo, Pic = Pico de Loro, Tac = Tacaná.

| Familia / Especie | Lista Roja | Sitio de estudio | | | | |
|---|------------|------------------|-----|-----|-----|-----|
| | | Sep | Pij | Tri | Pic | Tac |
| Acanthaceae | | | | | | |
| <i>Spathacanthus parviflorus</i> Leonard | | | | | | 1 |
| Actinidiaceae | | | | | | |
| <i>Saurauia kegeliana</i> Schltld. | VU | | | 5 | | |
| <i>Saurauia madrensis</i> B.T. Keller & Breedlove | EN | 3 | 2 | 5 | | 1 |
| <i>Saurauia matudae</i> Lundell | EN | | | 1 | | |
| <i>Saurauia oreophila</i> Hemsl. | | | | | | 1 |
| <i>Saurauia yasicae</i> Loes. | | 2 | | | 25 | 17 |
| Adoxaceae | | | | | | |
| <i>Viburnum</i> aff. <i>acutifolium</i> Benth. | | | | | | 1 |
| <i>Viburnum blandum</i> C.V. Morton | VU | 1 | | | | |
| Anacardiaceae | | | | | | |
| <i>Toxicodendron striatum</i> (Ruiz & Pav.) Kuntze | | | | | 2 | |
| Apocynaceae | | | | | | |
| <i>Alstonia longifolia</i> (A. DC.) Pichon | VU | | | | 8 | |
| <i>Stemmadenia macrophylla</i> Greenm. | | | | | | 1 |
| Aquifoliaceae | | | | | | |
| <i>Ilex</i> aff. <i>pringlei</i> Standl. | | 29 | | | | |
| <i>Ilex lamprophylla</i> Standl. | | | | 6 | | |
| Araliaceae | | | | | | |
| <i>Oreopanax</i> aff. <i>geminatus</i> Marchal | | 2 | | | | |
| <i>Oreopanax</i> aff. <i>peltatus</i> Linden ex Regel | NT | 3 | 1 | | 1 | |
| <i>Dendropanax arboreus</i> (L.) Decne. & Planch. | | 3 | 5 | 9 | 7 | 4 |
| <i>Dendropanax leptopodus</i> (Donn. Sm.) A.C. Sm. | EN | | | 3 | | 15 |
| <i>Oreopanax echinops</i> (Schltld. & Cham.) Decne. & Planch. | VU | | | | 1 | 3 |

| | | | | | | |
|---|----|----|----|----|----|----|
| <i>Oreopanax sanderianus</i> Hemsl. | EN | | | 2 | 5 | |
| <i>Oreopanax xalapensis</i> (Kunth) Decne. & Planch. | NT | 16 | 25 | 6 | 4 | 4 |
| Asteraceae | | 9 | 13 | 2 | 51 | 11 |
| <i>Clibadium arboreum</i> Donn. Sm. | | | | 1 | | |
| <i>Critonia hospitalis</i> (B.L. Rob.) R.M. King & H. Rob. | | | | | 9 | |
| <i>Koanophyllon pittieri</i> (Klatt) R.M. King & H. Rob. | VU | 8 | 7 | | | |
| <i>Lepidaploa canescens</i> (Kunth) H. Rob. | | | 6 | | | |
| <i>Lepidaploa polypleura</i> (S.F. Blake) H. Rob. | | | | 1 | 33 | 3 |
| <i>Montanoa hibiscifolia</i> Benth. | | | | | 3 | |
| <i>Podachaenium eminens</i> (Lag.) Sch. Bip. | | | | | 6 | |
| <i>Telanthophora grandifolia</i> (Less.) H. Rob. & Brettell | | | | | | 8 |
| <i>Verbesina gigantea</i> Jacq. | | 1 | | | | |
| Betulaceae | | | | | | |
| <i>Carpinus caroliniana</i> Walter | NT | 5 | 1 | | 5 | 29 |
| Bignoniaceae | | | | | | |
| <i>Amphitecna montana</i> L.O. Williams | EN | | | 24 | 5 | |
| Cannabaceae | | | | | | |
| <i>Trema micrantha</i> (L.) Blume | | 1 | 1 | | | |
| Celastraceae | | | | | | |
| <i>Celastrus chiapensis</i> Lundell | | | | | | 10 |
| <i>Crossopetalum parviflorum</i> (Hemsl.) Lundell | | 2 | | | 13 | |
| <i>Gyminda tonduzii</i> Loes. | | 5 | 2 | | 13 | |
| <i>Symplocos matudae</i> Lundell | | | | | | 1 |
| Chloranthaceae | | | | | | |
| <i>Hedyosmum mexicanum</i> C. Cordem. | | | 9 | 8 | 8 | |
| Clethraceae | | | | | | |
| <i>Clethra hondurensis</i> Britton | | | 9 | 12 | | 18 |
| <i>Clethra mexicana</i> DC. | | 6 | 19 | 3 | 7 | |
| <i>Clethra purpusii</i> L.M. González | EN | 2 | 3 | | | |
| <i>Clethra suaveolens</i> Turcz. | | | | 4 | | |
| Clusiaceae | | | | | | |
| <i>Clusia guatemalensis</i> Hemsl. | EN | 7 | 6 | | 3 | 1 |
| <i>Clusia salvinii</i> Donn. Sm. | | 8 | | 2 | | |
| <i>Garcinia</i> sp1. | | | | | 22 | |
| <i>Garcinia intermedia</i> (Pittier) Hammel | | | | | | 5 |
| Cornaceae | | | | | | |
| <i>Cornus disciflora</i> DC. | VU | 2 | | | 2 | 10 |
| Dipentodontaceae | | | | | | |
| <i>Perrottetia longistylis</i> Rose | | | 3 | | 2 | |
| Elaeocarpaceae | | | | | | |
| <i>Sloanea</i> aff. <i>ahuatoso</i> Lozada-Pérez | | | | | | 13 |
| Ericaceae | | | | | | |
| <i>Vaccinium leucanthum</i> Schltld. | EN | 1 | | | | |
| Euphorbiaceae | | | | | | |
| <i>Acalypha tacanensis</i> Lundell | | | | | | 1 |
| <i>Croton guatemalensis</i> Lotsy | | | | | 2 | |

| | | | | | | |
|---|----|-----|----|----|----|----|
| <i>Croton jalapensis</i> Croizat | | 2 | | | | |
| <i>Sapium macrocarpum</i> Müll. Arg. | | 10 | 2 | | | |
| Fabaceae | | | | | | |
| <i>Cojoba arborea</i> (L.) Britton & Rose | NT | 7 | 2 | | | |
| <i>Cojoba mariaelenae</i> L. Rico | CR | 2 | | | | |
| <i>Inga calderonii</i> Standl. | CR | 1 | 24 | | | |
| <i>Inga flexuosa</i> Schltldl. | CR | 14 | | | | |
| <i>Inga micheliana</i> Harms | | | | | | 4 |
| <i>Machaerium acuminatum</i> Kunth | | | | | 1 | |
| Fagaceae | | | | | | |
| <i>Quercus</i> sp1. | | | | | | 2 |
| <i>Quercus</i> aff. <i>peduncularis</i> Née | | | 1 | | | |
| <i>Quercus</i> aff. <i>seemannii</i> Liebm. | | 131 | | | | |
| <i>Quercus benthamii</i> A. DC. | EN | | 83 | 40 | 26 | 30 |
| <i>Quercus castanea</i> Née | | 1 | | | | 1 |
| <i>Quercus corrugata</i> Hook. | EN | 14 | | | | |
| <i>Quercus crispifolia</i> Trel. | | | | 3 | | |
| <i>Quercus insignis</i> M. Martens & Galeotti | CR | | 8 | 28 | | |
| <i>Quercus lancifolia</i> Schltldl. & Cham. | NT | | 32 | | 5 | 10 |
| <i>Quercus oocarpa</i> Liebm. | CR | | 1 | | | |
| <i>Quercus paxtalensis</i> C.H. Mull. | CR | | | | 33 | |
| <i>Quercus salicifolia</i> Née | | | 6 | | | |
| <i>Quercus sapotifolia</i> Liebm. | VU | | 4 | | | |
| <i>Quercus skinneri</i> Benth. | CR | 1 | 13 | | | 1 |
| <i>Quercus vicentensis</i> Trel. | | | | | | 1 |
| <i>Quercus xalapensis</i> Bonpl. | CR | | | 4 | | |
| Hammamelidaceae | | | | | | |
| <i>Matudaea trinervia</i> Lundell | VU | | | 59 | 16 | 1 |
| Icacinaceae | | | | | | |
| <i>Oecopetalum mexicanum</i> Greenm. & C.H. Thomps. | | | | | | 6 |
| Lauraceae | | | | | | |
| <i>Aiouea areolata</i> (Lundell) R.Rohde | EN | 36 | 10 | 6 | | |
| <i>Aiouea chiapensis</i> (Lundell) R.Rohde | | | | | 45 | |
| <i>Aiouea montana</i> (Sw.) R.Rohde | | 2 | | | 6 | 1 |
| <i>Aiouea zapatae</i> (Lorea-Hern.) R.Rohde | EN | 2 | | | | |
| <i>Beilschmiedia riparia</i> Miranda | | 6 | | | | |
| <i>Licaria</i> sp1. | | 10 | 2 | | | |
| <i>Licaria excelsa</i> Kosterm. | VU | | 6 | | 12 | 6 |
| <i>Licaria glaberrima</i> (Lundell) C.K. Allen | EN | | 8 | 67 | 8 | |
| <i>Ocotea</i> sp2. | | | | | | 1 |
| <i>Ocotea acuminatissima</i> (Lundell) Rohwer | VU | | 21 | 15 | 18 | 7 |
| <i>Ocotea botrantha</i> Rohwer | EN | 6 | 5 | | 7 | |
| <i>Ocotea effusa</i> (Meisn.) Hemsl. | EN | 19 | | | | 6 |
| <i>Ocotea helicterifolia</i> (Meisn.) Hemsl. | | | | | | 4 |
| <i>Ocotea purpurea</i> (Mez) van der Werff | | | | | 1 | |
| <i>Ocotea sinuata</i> (Mez) Rohwer | VU | | | | 1 | |

| | | | | | |
|---|----|----|-----|----|----|
| <i>Ocotea veraguensis</i> (Meisn.) Mez | | | 7 | | |
| <i>Persea americana</i> Mill. | EN | | | 8 | |
| <i>Persea donnell-smithii</i> Mez | VU | 3 | | | |
| <i>Persea liebmannii</i> Mez | NT | | 29 | 1 | |
| <i>Persea vesticula</i> Standl. & Steyerm. | | | | 22 | |
| Magnoliaceae | | | | | |
| <i>Magnolia poasana</i> (Pittier) Dandy | | | | | 1 |
| Malpighiaceae | | | | | |
| <i>Bunchosia matudae</i> Lundell | | 1 | | | |
| Malvaceae | | | | | |
| <i>Heliocarpus americanus</i> L. | | | 5 | | |
| <i>Heliocarpus mexicanus</i> (Turcz.) Sprague | | 5 | | | |
| <i>Malvaviscus arboreus</i> Cav. | | 3 | | 1 | |
| <i>Trichospermum galeottii</i> (Turcz.) Kosterm. | | | | | 2 |
| Melastomataceae | | | | | |
| <i>Blakea purpusii</i> Brandegee | | | | | 2 |
| <i>Miconia</i> aff. <i>durandii</i> Michelang. & P. Jørg. | | | | | 40 |
| <i>Miconia</i> aff. <i>nutans</i> Donn. Sm. | | | 11 | 38 | |
| <i>Miconia glaberrima</i> (Schltdl.) Naudin | | | 11 | 7 | 4 |
| <i>Miconia globulifera</i> Naudin | | | | 8 | |
| <i>Miconia volcanalis</i> (Standl. & Steyerm.) Michelang. | VU | | | 11 | |
| Meliaceae | | | | | |
| <i>Cedrela tonduzii</i> C. DC. | | 4 | 2 | | 2 |
| <i>Guarea glabra</i> Vahl | | | | | 1 |
| <i>Trichilia havanensis</i> Jacq. | | | 24 | | 2 |
| <i>Trichilia pallida</i> Sw. | | | | 1 | 1 |
| Monimiaceae | | | | | |
| <i>Mollinedia pallida</i> Lundell | EN | | 106 | 81 | |
| <i>Mollinedia viridiflora</i> Tul. | | | | | 24 |
| Moraceae | | | | | |
| <i>Ficus</i> aff. <i>cotinifolia</i> Kunth | | | | 1 | |
| <i>Ficus aurea</i> Nutt. | | 2 | | | |
| <i>Morus insignis</i> Bureau | | | | 1 | |
| <i>Pseudolmedia glabrata</i> (Liebm.) C.C. Berg | | | | 5 | 7 |
| <i>Trophis cuspidata</i> Lundell | VU | | 2 | 12 | |
| <i>Trophis mexicana</i> (Liebm.) Bureau | | 28 | | 15 | |
| Myricaceae | | | | | |
| <i>Morella cerifera</i> (L.) Small | | | | | 7 |
| Myrtaceae | | | | | |
| <i>Eugenia acapulcensis</i> Steud. | | 5 | | 36 | 2 |
| <i>Eugenia capuli</i> (Schltdl. & Cham.) Hook. & Arn. | | 86 | 12 | | 23 |
| <i>Eugenia capuloides</i> Lundell | | | | | 2 |
| <i>Eugenia nigrita</i> Lundell | | | | 8 | |
| <i>Eugenia oerstediana</i> O. Berg | | | | | 9 |
| <i>Myrcianthes</i> aff. <i>fragrans</i> (Sw.) McVaugh | | 4 | | | |
| <i>Psidium sartorianum</i> (O. Berg) Nied. | | | 24 | | |

Oleaceae

| | | | | | | |
|---|----|----|----|----|---|---|
| <i>Chionanthus ligustrinus</i> (Sw.) Pers. | | | | | | 3 |
| <i>Osmanthus americanus</i> (L.) Benth. & Hook. f. ex A. Gray | NT | 91 | 40 | 26 | 7 | |

Onagraceae

| | | | | | | |
|---------------------------------|--|--|--|--|--|----|
| <i>Fuchsia arborescens</i> Sims | | | | | | 30 |
|---------------------------------|--|--|--|--|--|----|

Pentaphylacaceae

| | | | | | | |
|---|----|---|----|----|----|---|
| <i>Cleyera theaeoides</i> (Sw.) Choisy | NT | 4 | 2 | 11 | 47 | 3 |
| <i>Symplocarpon flavifolium</i> Lundell | | | | | 66 | 4 |
| <i>Ternstroemia lineata</i> DC. | NT | | 26 | 22 | | |
| <i>Ternstroemia oocarpa</i> (Rose) Melch. | VU | 2 | 5 | | | |

Phyllonomaceae

| | | | | | | |
|---|----|--|--|--|---|----|
| <i>Phyllonoma laticuspis</i> (Turcz.) Engl. | VU | | | | 2 | 11 |
|---|----|--|--|--|---|----|

Podocarpaceae

| | | | | | | |
|-----------------------------------|----|--|--|---|----|---|
| <i>Podocarpus matudae</i> Lundell | EN | | | 9 | 29 | 1 |
|-----------------------------------|----|--|--|---|----|---|

Polygonaceae

| | | | | | | |
|----------------------------------|----|---|---|--|--|--|
| <i>Coccoloba montana</i> Standl. | EN | 7 | 4 | | | |
|----------------------------------|----|---|---|--|--|--|

Primulaceae

| | | | | | | |
|---|--|----|---|----|----|---|
| <i>Ardisia</i> aff. <i>densiflora</i> Krug & Urb. | | 3 | | | | |
| <i>Ardisia bracteosa</i> A. DC. | | | | | | 8 |
| <i>Ardisia compressa</i> Kunth | | 1 | | | 38 | |
| <i>Ardisia paschalis</i> Donn. Sm. | | | 1 | 9 | | |
| <i>Ardisia verapazensis</i> Donn. Sm. | | | | 9 | | 2 |
| <i>Ctenardisia purpusii</i> (Brandege) Lundell | | | | | | 4 |
| <i>Myrsine coriacea</i> (Sw.) R. Br. ex Roem. & Schult. | | | 3 | | | |
| <i>Parathesis</i> aff. <i>vulgata</i> Lundell | | | | | | 1 |
| <i>Parathesis columnaris</i> Lundell | | | 7 | | | |
| <i>Parathesis leptopa</i> Lundell | | 13 | | | | |
| <i>Parathesis reflexa</i> Brandege | | | | | | 6 |
| <i>Parathesis subulata</i> Lundell | | | | 13 | | |

Proteaceae

| | | | | | | |
|------------------------------|----|--|--|--|--|---|
| <i>Roupala montana</i> Aubl. | NT | | | | | 5 |
|------------------------------|----|--|--|--|--|---|

Rhamnaceae

| | | | | | | |
|---|--|--|---|--|---|---|
| <i>Frangula capreifolia</i> (Schltdl.) Grubov | | | 1 | | | 1 |
| <i>Frangula discolor</i> (Donn. Sm.) Grubov | | | | | 9 | |

Rosaceae

| | | | | | | |
|---|----|----|----|----|----|----|
| <i>Prunus</i> aff. <i>axitliana</i> Standl. | | 55 | | 14 | 71 | |
| <i>Prunus</i> aff. <i>erythroxyton</i> Koehne | | 11 | | | | |
| <i>Prunus annularis</i> Koehne | | | | | | 2 |
| <i>Prunus brachybotrya</i> Zucc. | | | | | | 12 |
| <i>Prunus cortapico</i> Kerber ex Koehne | VU | 5 | | | 4 | |
| <i>Prunus lundelliana</i> Standl. | EN | | 19 | | | |
| <i>Prunus salasii</i> Standl. | | 2 | | | | |

Rubiaceae

| | | | | | | |
|--|--|--|----|--|--|--|
| <i>Alibertia edulis</i> (Rich.) A. Rich. ex DC. | | | 1 | | | |
| <i>Arachnothryx armentalis</i> (L.O. Williams) Lorence | | | 14 | | | |

| | | | | | | | |
|---|----|----|----|----|----|----|----|
| <i>Arachnothryx buddleioides</i> (Benth.) Planch. | VU | | | 8 | 2 | | |
| <i>Arachnothryx flocculosa</i> Borhidi | | | | | | | 4 |
| <i>Arachnothryx gracilis</i> (Hemsl.) Borhidi | | | | | | | 3 |
| <i>Arachnothryx jurgensenii</i> (Hemsl.) Borhidi | | | | | | 1 | |
| <i>Arachnothryx laniflora</i> (Benth.) Planch. | VU | | | | | 82 | |
| <i>Arachnothryx septicialis</i> (B.L. Rob.) Borhidi | | | | | | | 7 |
| <i>Chiococca alba</i> (L.) Hitchc. | | | | | | 2 | |
| <i>Glossostipula concinna</i> (Standl.) Lorence | EN | 43 | 52 | 30 | 22 | | 12 |
| <i>Hamelia longipes</i> Standl. | | | | | | | 1 |
| <i>Palicourea padifolia</i> (Humb. & Bonpl. ex Schult.) C. Taylor & Lorence | | 17 | 15 | | | 19 | 26 |
| <i>Palicourea tetragona</i> (Donn. Sm.) C.M. Taylor & Lorence | | | | | 3 | | 2 |
| <i>Pseudomiltemia filisejala</i> (Standl.) Borhidi | | | | | | | 4 |
| <i>Psychotria</i> sp2. | | | | | | 1 | |
| <i>Psychotria</i> aff. <i>costivenia</i> Griseb. | | | 57 | | | | |
| <i>Psychotria</i> aff. <i>lundellii</i> Standl. | | | 3 | | | | |
| <i>Psychotria mexiae</i> Standl. | | | | | 3 | | |
| <i>Psychotria panamensis</i> Standl. | VU | 31 | 29 | 4 | | | |
| <i>Randia</i> aff. <i>aculeata</i> L. | | 1 | | | | | |
| <i>Randia matudae</i> Lorence & Dwyer | VU | | 2 | | | 15 | |
| <i>Rogiera amoena</i> Planch. | VU | | 3 | | | 1 | 18 |
| Rutaceae | | | | | | | |
| <i>Amyris balsamifera</i> L. | | | | | | 1 | |
| <i>Zanthoxylum acuminatum</i> (Sw.) Sw. | | 17 | 6 | | | 8 | |
| <i>Zanthoxylum melanostictum</i> Schltld. & Cham. | | | | | | | 3 |
| <i>Zanthoxylum microcarpum</i> Griseb. | | | | | 2 | | |
| Sabiaceae | | | | | | | |
| <i>Meliosma idiopoda</i> S.F. Blake | VU | | | | | 1 | |
| Salicaceae | | | | | | | |
| <i>Casearia guianensis</i> (Aubl.) Urb. | | | | | 6 | | 2 |
| <i>Casearia silvestris</i> Sw. | | | 7 | | | | |
| <i>Olmediella betschleriana</i> (Göpp.) Loes. | | | | | | | 1 |
| <i>Xylosma chlorantha</i> Donn. Sm. | | | | | | 1 | |
| Sapindaceae | | | | | | | |
| <i>Billia hippocastanum</i> Peyr. | VU | | | | 1 | | 4 |
| <i>Matayba</i> aff. <i>apetala</i> Radlk. | | | 4 | | | | |
| <i>Matayba oppositifolia</i> (A. Rich.) Britton | | | | | | | 1 |
| Sapotaceae | | | | | | | |
| <i>Pouteria</i> sp2. | | 1 | | | | | |
| <i>Pouteria campechiana</i> (Kunth) Baehni | | 10 | | | | 1 | |
| <i>Sideroxylon</i> sp1. | | 5 | | | | | |
| Siparunaceae | | | | | | | |
| <i>Siparuna thecaphora</i> (Poepp. & Endl.) A. DC. | | | | | | | 13 |
| Solanaceae | | | | | | | |
| <i>Cestrum guatemalense</i> Francey | | | | | | 2 | |
| <i>Solanum</i> sp1. | | | 3 | | | | |

| | | | | | | |
|---|----|---|----|----|----|----|
| <i>Solanum</i> aff. <i>nudum</i> Dunal | | 1 | | | | |
| Staphyleaceae | | | | | | |
| <i>Turpinia</i> aff. <i>tricornuta</i> Lundell | CR | | | 2 | | |
| <i>Turpinia occidentalis</i> (Sw.) G. Don | NT | | 2 | | 8 | 5 |
| Styracaceae | | | | | | |
| <i>Styrax glabrescens</i> Benth. | VU | 7 | 38 | 8 | 12 | |
| <i>Styrax warscewiczii</i> Perkins | | | 5 | | 6 | |
| Symplocaceae | | | | | | |
| <i>Symplocos</i> aff. <i>hartwegii</i> A. DC. | | | | | | 2 |
| <i>Symplocos bicolor</i> L.O. Williams | | 8 | | | | |
| <i>Symplocos limoncillo</i> Bonpl. | | | | | 7 | 2 |
| <i>Symplocos matudae</i> Lundell | | | | | | 20 |
| Thymelaeaceae | | | | | | |
| <i>Daphnopsis</i> aff. <i>mollis</i> (Schltdl. & Cham.) Standl. | VU | | 8 | 17 | | |
| Ulmaceae | | | | | | |
| <i>Ulmus mexicana</i> (Liebm.) Planch. | | | | | | 1 |
| Urticaceae | | | | | | |
| <i>Cecropia peltata</i> L. | | | 3 | | | |
| <i>Myriocarpa longipes</i> Liebm. | | | | | | 9 |
| <i>Urera caracasana</i> (Jacq.) Gaudich. ex Griseb. | | 6 | | | | |
| <i>Urera simplex</i> Wedd. | | | 1 | 2 | 15 | |
| Verbenaceae | | | | | | |
| <i>Citharexylum mocinnoi</i> D. Don | | | | | 2 | |
| Winteraceae | | | | | | |
| <i>Drimys granadensis</i> L. f. | VU | | | 34 | 2 | |
