



Supplement

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Table S1. Taxonomic revisions of Philippine Rubiaceae using Alejandro (2007) as baseline

| Alejandro 2007 | Current taxonomic treatment | Reference |
|---|--|---------------------------------------|
| AMARACARPUS Blume | | |
| <i>Amaracarpus apoensis</i> Elmer [stat. nov.] | <i>Amaracarpus pubescens</i> subsp. <i>microphyllus</i> (Miq.) Davis & Bridson (2004) A.P.Davis | |
| <i>Amaracarpus longifolius</i> Elmer [synonym to] | <i>Psychotria linearis</i> Bartl. ex DC. | Sohmer & Davis (2007) |
| ANTIRHEA Comm. ex Juss. | | |
| <i>Antirhea attenuata</i> (Elmer) Chaw [comb nov.] | <i>Guettardella attenuata</i> (Elmer) J.G.Chavez | Chavez <i>et al.</i> (2021) |
| <i>Antirhea benguetensis</i> (Elmer) Val. [comb nov.] | <i>Guettardella benguetensis</i> (Elmer) J.G.Chavez | |
| <i>Antirhea caudata</i> (M.E. Jansen) Chaw [comb nov.] | <i>Guettardella caudata</i> M.E. Jansen | |
| <i>Antirhea edanoi</i> Chaw [comb nov.] | <i>Guettardella edanoi</i> (Chaw) J.G.Chavez | |
| <i>Antirhea hexasperma</i> (Roxb.) Merr. [cited as] | <i>Guettardella attenuata</i> (Elmer) J.G. Chavez | |
| <i>Antirhea livida</i> Elmer [comb nov.] | <i>Guettardella livida</i> (Elmer) M.E.Jansen | |
| <i>Antirhea microphylla</i> (Bartl. ex DC.) Merr. [comb nov.] | <i>Guettardella microphylla</i> (Bartl. ex DC.) M.E.Jansen | |
| <i>Antirhea paxillata</i> Chaw [comb nov.] | <i>Guettardella paxillata</i> (Chaw) J.G.Chavez | |
| <i>Antirhea philippinensis</i> (Benth.) Rolfe [comb nov.] | <i>Guettardella philippinensis</i> Benth. | |
| <i>Antirhea ramosii</i> Chaw [comb nov.] | <i>Guettardella ramosii</i> (Chaw) J.G.Chavez | |
| <i>Antirhea tayabensis</i> Chaw [comb nov.] | <i>Guettardella tayabensis</i> (Chaw) J.G.Chavez | |
| <i>Antirhea ternata</i> Chaw [comb nov.] | <i>Guettardella ternata</i> (Chaw) J.G.Chavez | |
| ARGOSTEMMA Wall | | |
| <i>Argostemma umbellatum</i> Elmer [cited as unplaced] | | Govaerts (2003) |
| <i>Argostemma quadripetalum</i> Elmer [cited as] | <i>Argostemma distichum</i> Valetton subsp. <i>quadripetalum</i> (Elmer) Bakh.f. | Pelser <i>et al.</i> (2011 - onwards) |
| BADUSA A. Gray | | |
| <i>Badusa palauensis</i> Val. | [species distribution not recorded in the Philippines] | Ridsdale (1982) |
| <i>Badusa philippica</i> (Cav.) S.Vidal [cited as] | <i>Badusa corymbifera</i> (G. Forst) A. Gray subsp. <i>corymbifera</i> (Cav.) S. Vidal | Soejarto <i>et al.</i> (1996) |
| <i>Badusa philippinensis</i> Val. | [erroneous citation; should be as] <i>Bikkia philippinensis</i> Val. | |
| BIKKIA Reinw. | | |
| <i>Bikkia philippica</i> (Cav.) S.Vidal | [erroneous citation; should be as] <i>Badusa philippica</i> (Cav.) S.Vidal | Soejarto <i>et al.</i> (1996) |
| BORRERIA G. Mey. | | |
| <i>Borreria hispida</i> (L.) K. Schum [cited as] | <i>Spermacoce hispida</i> L. | Cabral & Bacigalupo (2004) |
| <i>Borreria ocymoides</i> (Burm.f.) DC. [cited as] | <i>Spermacoce ocymoides</i> Burm.f | |
| <i>Borreria verticillata</i> (L.) G. Mey [cited as] | <i>Spermacoce verticillata</i> L. | |
| CANTHIUM Lam. | | |
| <i>Canthium confertum</i> Korth. [comb. nov.] | <i>Dibridsonia conferta</i> (Korth.) K.M.Wong | Wong <i>et al.</i> (2018) |
| <i>Canthium dicoccum</i> (Gaertn.) Merr. [cited as] | <i>Psydrax dicoccos</i> Gaertn. | Mahyuni <i>et al.</i> (2018) |
| CHASSALIA Comm. ex Poir | | |
| <i>Chassalia curviflora</i> var. <i>ophioxylodes</i> | <i>Chassalia curviflora</i> (Wall.) Thwaites [variety is cited as the type species] | Turner (2019) |
| CHEWLUNIA P.K.Hoo & Junhao Chen | | |
| <i>Greenea hirsuta</i> Elmer | [NEW GENUS 2023] <i>Chewlunia hirsuta</i> (Elmer) P.K.Hoo & Junhao Chen | Chen <i>et al.</i> (2023) |
| <i>Timonius auriculatus</i> Merr. | <i>Chewlunia auriculata</i> (Merr.) P.K.Hoo & Junhao Chen | |
| <i>Timonius longiflorus</i> (Merr.) Merr. | <i>Chewlunia longiflora</i> (Merr.) P.K.Hoo & Junhao Chen | |
| <i>Timonius oligophlebius</i> Merr. | <i>Chewlunia oligophlebia</i> (Merr.) P.K.Hoo & Junhao Chen | |
| <i>Timonius rotundus</i> Merr. | <i>Chewlunia rotunda</i> (Merr.) P.K.Hoo & Junhao Chen | |
| <i>Timonius samarensis</i> Merr. | <i>Chewlunia samarensis</i> (Merr.) P.K.Hoo & Junhao Chen | Chen <i>et al.</i> (2023) |



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|---|--|---------------------------------------|
| <i>Timonius urdanetensis</i> Elmer | <i>Chewlunia urdanetensis</i> (Elmer) P.K.Hoo & Junhao Chen | |
| FAGERLINDIA Tirveng. | | |
| <i>Fagerlindia emanuelssoniana</i> Ridsdale [comb. nov.] | <i>Benkara emanuelssoniana</i> (Ridsdale) Ridsdale | Ridsdale (2008) |
| <i>Fagerlindia microcarpa</i> (Bartl. ex DC.) Ridsdale [comb. nov.] | <i>Benkara microcarpa</i> (Bartl. ex DC) Ridsdale | |
| GARDENIA J. Ellis | | |
| <i>Gardenia augusta</i> (L.) Merr. [cited as] | <i>Gardenia jasminoides</i> J. Ellis | Govaerts (2003) |
| <i>Gardenia longiflora</i> Vidal [synonym to] | <i>Gardenia elata</i> Ridl. var. <i>elata</i> | Wong & Low (2011) |
| <i>Gardenia pseudopsidium</i> (Blanco) F. Vill. | [nomen dubium] | |
| <i>Gardenia segmenta</i> Elmer [synonym to] | <i>Gardenia barnesii</i> Merr. | |
| GEOPHILA D. Don. | | |
| <i>Geophila herbacea</i> (L.) K. Schum. [cited as] | <i>Geophila repens</i> (L.) I.M.Johnst. | Pelser <i>et al.</i> (2011 - onwards) |
| GREENEA Wight & Arn. | | |
| <i>Greenea hirsuta</i> Elmer [cited as] | <i>Chewlunia hirsuta</i> (Elmer) P.K.Hoo & Junhao Chen | Chen <i>et al.</i> (2023) |
| HEDYOTIS L. | | |
| <i>Hedyotis apoensis</i> Elmer [cited as] | <i>Oldenlandia apoensis</i> Elmer. | Govaerts (2003) |
| <i>Hedyotis asperrima</i> Merr. [cited as] | <i>Hedyotis rigida</i> (Blume) Walp. | Govaerts (2003) |
| <i>Hedyotis auricularia</i> L. [synonym to] | <i>Exallage auricularia</i> (L.) Bremek | Neupane <i>et al.</i> (2015) |
| <i>Hedyotis banksii</i> Elmer [cited as] | <i>Oldenlandia banksii</i> Elmer | Govaerts (2003) |
| <i>Hedyotis bartlingii</i> Merr. [cited as] | <i>Exallage angustifolia</i> (DC.) Bremek. | Neupane <i>et al.</i> (2015) |
| <i>Hedyotis buruensis</i> (Miq.) Val. [cited as] | <i>Exallage buruensis</i> (Miq.) Valetton ex Merr. | Neupane <i>et al.</i> (2015) |
| <i>Hedyotis connata</i> Wall. [synonym to] | <i>Involucrella coronaria</i> (Kurz) Neupane & Wikstr. | Neupane <i>et al.</i> (2015) |
| <i>Hedyotis costata</i> (Roxb.) Kurz. [synonym to] | <i>Exallage cristata</i> (Willd.) Nandikar & K.C.Kishor | Nandikar & Kishor (2019) |
| <i>Hedyotis tenelliflora</i> Blume [cited as] | <i>Scleromitron angustifolium</i> (Cham. & Schltdl.) Benth. | Wang (2019) |
| <i>Hedyotis verticillata</i> (L.) Lam. [cited as] | <i>Scleromitron verticillatum</i> (L.) | Wang (2019) |
| HYDNOPHYTUM Jack. | | |
| <i>Hydnophytum brachycladum</i> Merr. [synonym to] | <i>Hydnophytum moseleyanum</i> Becc. | Jebb & Huxley (2019) |
| <i>Hydnophytum intermedium</i> Elmer [synonym to] | <i>Hydnophytum formicarum</i> Jack | |
| <i>Hydnophytum leytense</i> Merr. [synonym to] | <i>Hydnophytum formicarum</i> Jack | |
| <i>Hydnophytum membranaceum</i> Merr. [synonym to] | <i>Hydnophytum formicarum</i> Jack | |
| <i>Hydnophytum mindanaense</i> Elmer [synonym to] | <i>Hydnophytum moseleyanum</i> Becc. | |
| <i>Hydnophytum mindorensense</i> Merr. [synonym to] | <i>Hydnophytum formicarum</i> Jack | |
| <i>Hydnophytum nitidum</i> Merr. [synonym to] | <i>Hydnophytum formicarum</i> Jack | |
| <i>Hydnophytum orbiculatum</i> Elmer [synonym to] | <i>Hydnophytum formicarum</i> Jack | |
| <i>Hydnophytum philippinense</i> Becc. [synonym to] | <i>Hydnophytum moseleyanum</i> Becc. | |
| HYPOBATHRUM Blume | | |
| <i>Hypobathrum coriaceum</i> Merr. [synonym to] | <i>Villaria coriacea</i> (Merr.) Arriola & Alejandro | Arriola & Alejandro (2020) |
| <i>Hypobathrum multibracteata</i> Elmer [synonym to] | <i>Villaria multibracteata</i> (Elmer) Arriola & Alejandro | |
| <i>Hypobathrum purpureum</i> (Elmer) Merr. [synonym to] | <i>Villaria purpurea</i> (Elmer) Arriola & Alejandro | |
| IXORA L. | | |
| <i>Ixora fulgens</i> Roxb. [synonym to] | <i>Ixora longifolia</i> Sm. | Banag (2014) |
| <i>Ixora ilocana</i> Merr. [synonym to] | <i>Ixora bibracteata</i> Elmer | |
| <i>Ixora littoralis</i> Merr. [synonym to] | <i>Ixora philippensis</i> Merr. | |
| <i>Ixora longissima</i> Merr. [synonym to] | <i>Ixora salicifolia</i> (Blume) DC. | Banag <i>et al.</i> (2014) |
| <i>Ixora myriantha</i> Merr. [synonym to] | <i>Ixora cumingiana</i> S. Vidal | Banag (2014) |
| <i>Ixora oblongifolia</i> Elmer [synonym to] | <i>Ixora chartacea</i> Elmer | |
| <i>Ixora samarensis</i> Merr. [synonym to] | <i>Ixora bartlingii</i> Elmer | |
| <i>Ixora tenuipedunculata</i> Merr. [synonym to] | <i>Ixora filipes</i> Valetton | |
| LASIANTHUS Jack. | | |
| <i>Lasianthus cyaneus</i> Elmer [synonym to] | <i>Paralasianthus dichotomus</i> (Korth.) H.Zhu | Zhu (2015) |
| <i>Lasianthus tashiroi</i> Mats. [cited as] | <i>Lasianthus fordii</i> Hance var. <i>fordii</i> | Zhu <i>et al.</i> (2012) |
| METADINA Bakh. f. | | |
| <i>Metadina trichotoma</i> (Zoll. & Mor.) Bakh.f. [cited as] | <i>Adina trichotoma</i> (Zoll. & Mortzi) Benth & Hook.f. ex L fstrand <i>et al.</i> (2014) | |
| MORINDA L. | | |



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| <i>Morinda bartlingii</i> Elmer [cited as] | <i>Gynochthodes bartlingii</i> (Elmer) Razafim. & B. Bremer | Razafimandimbison & Bremer (2011) |
| <i>Morinda bracteata</i> Roxb. [cited as] | <i>Morinda citrifolia</i> L. var. <i>bracteata</i> (Roxb.) Kurz | Razafimandimbison <i>et al.</i> (2010) |
| <i>Morinda celebica</i> Miq. [cited as] | <i>Gynochthodes celebica</i> (Miq.) Razafim. & B. Bremer | Razafimandimbison & Bremer (2011) |
| <i>Morinda citrifolia</i> L. [cited as] | <i>Morinda citrifolia</i> L. var. <i>citrifolia</i> | Razafimandimbison <i>et al.</i> (2010) |
| <i>Morinda coriacea</i> Merr. [cited as] | <i>Gynochthodes wongii</i> Razafim. & B. Bremer | Razafimandimbison & Bremer (2011) |
| <i>Morinda nitida</i> Merr. [cited as] | <i>Gynochthodes nitida</i> (Merr.) Razafim. & B. Bremer | |
| <i>Morinda parvifolia</i> Bartl. [cited as] | <i>Gynochthodes parvifolia</i> (Bartl. ex DC.) Razafim. & B. Bremer | |
| <i>Morinda philippinensis</i> Elmer [cited as] | <i>Gynochthodes alejandroi</i> Razafim. & B. Bremer | |
| <i>Morinda platyphylla</i> Merr. [cited as] | <i>Gynochthodes platyphylla</i> (Merr.) Razafim. & B. Bremer | |
| <i>Morinda tinctoria</i> Roxb. [cited as] | <i>Morinda coreia</i> Buch | Govaerts (2003) |
| <i>Morinda umbellata</i> L. [cited as] | <i>Gynochthodes umbellata</i> (L.) Razafim. & B. Bremer | Razafimandimbison & Bremer (2011) |
| MUSSAENDA Burm. ex. L. | | |
| <i>Mussaenda milleri</i> Elmer | <i>Mussaenda milleri</i> Elmer ex Alejandro | Alejandro <i>et al.</i> (2016) |
| <i>Mussaenda philippica</i> A. Rich. forma <i>aurorae</i> Sulit | <i>Mussaenda philippica</i> var. <i>aurorae</i> Sulit | |
| MYCETIA Reinw. | | |
| <i>Mycetia javanica</i> (Blume) Korth. | <i>Mycetia javanica</i> (Blume) Reinw. ex Korth. | Govaerts (2003) |
| NERTERA Banks & Sol. ex Gaertn. | | |
| <i>Nertera depressa</i> Banks & Sol. ex Gaertn. [cited as] | <i>Nertera granadensis</i> (Mutis ex L.f.) Druce var. <i>granadensis</i> | Mendoza <i>et al.</i> (2004) |
| OLDENLANDIA L. | | |
| <i>Oldenlandia benguetensis</i> Elmer [cited as] | <i>Hedyotis benguetensis</i> | Wikström <i>et al.</i> (2013) |
| <i>Oldenlandia biflora</i> L. [cited as] | <i>Leptopetalum biflorum</i> (L.) Neupane & N. Wikström. | Neupane <i>et al.</i> (2015) |
| <i>Oldenlandia diffusa</i> (Willd.) Roxb. [cited as] | <i>Scleromitron diffusum</i> (Willd.) | Wang (2014) |
| <i>Oldenlandia pterita</i> (Blume) Miq. [cited as] | <i>Leptopetalum pteritum</i> (Blume) Neupane & N. Wikstr. | Neupane <i>et al.</i> (2015) |
| <i>Oldenlandia stenophylla</i> Merr. | [erroneous citation, should be as] <i>Ophiorrhiza stenophylla</i> Merr. | Govaerts (2003) |
| OPHIORRHIZA L. | | |
| <i>Ophiorrhiza tenuis</i> Merr. [cited as unplaced] | [unplaced, nom. illeg.] | Govaerts (2003); Pelser <i>et al.</i> (2011 - onwards) |
| PERTUSADINA Ridsdale | | |
| <i>Pertusadina multifolia</i> (Havil.) Ridsdale [cited as] | <i>Adina multifolia</i> (Havil.) Benth & Hook.f. ex Löfstrand & B.D.Jacks. | <i>et al.</i> (2014) |
| PLEIOCARPIDIA K. Schum. | | |
| <i>Pleiocarpidia lanaensis</i> Merr. [comb. nov.] | <i>Urophyllum lanaense</i> (Merr.) Smedmark & B. Bremer | Smedmark & Bremer (2011) |
| PRISMATOMERIS Thw. | | |
| <i>Prismatomeris tetranda</i> var. <i>philippinensis</i> Ridl. | [variety cited under the subsp. <i>tetranda</i> J.T. Pelser <i>et al.</i> (2011 - onwards) Johanns.] | |
| PSYCHOTRIA L. | | |
| <i>Psychotria alvarezii</i> Merr. [cited as] | <i>Psychotria bataanensis</i> Elmer | Sohmer & Davis (2007) |
| <i>Psychotria balabacensis</i> Merr. [cited as] | <i>Eumachia balabacensis</i> (Merr.) C.M.Taylor & Razafim. | Barrabé, Taylor <i>et al.</i> (2017) |
| <i>Psychotria cagayanensis</i> Merr. | [species incognitae] | Sohmer & Davis (2007) |
| <i>Psychotria chasalioides</i> Merr. | <i>Eumachia membranifolia</i> (Bartl. ex DC.) C.M.Taylor & Razafim. | Barrabé, Taylor <i>et al.</i> (2017) |
| <i>Psychotria leptothyrsa</i> Miq. [cited as] | <i>Eumachia leptothyrsa</i> (Miq.) Barrabé, C.M.Taylor & Razafim. | |
| <i>Psychotria membranifolia</i> Bartl. ex DC. [cited as] | <i>Eumachia membranifolia</i> (Bartl. ex DC.) C.M.Taylor & Razafim. | |
| <i>Psychotria philippensis</i> (Willd.) Merr. ex Rob. | <i>Scyphiphora hydrophylacea</i> (L.) Gaertn. | Berger (2023) |
| RANDIA L. | | |
| <i>Randia loheri</i> Merr. [cited as unplaced taxa] | [unplaced taxa] | Alejandro & Liede (2003) |
| <i>Randia mindoroensis</i> Elmer [cited as unplaced taxa] | [unplaced taxa] | Govaerts (2003); Pelser <i>et al.</i> (2011 - onwards) |
| <i>Randia pubifolia</i> Elmer [cited as unplaced taxa] | [unplaced taxa] | |



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| <i>Randia rostrata</i> Merr. [cited as unplaced taxa] | [unplaced taxa] | Alejandro & Liede (2003) |
| <i>Randia samalensis</i> Elmer [cited as unplaced taxa] | [unplaced taxa] | |
| ROTHMANNIA Thunb. | | |
| <i>Rothmannia graciliflora</i> (Merr.) Ridsdale | <i>Ridsdalea graciliflora</i> (Merr.) J.T. Pereira | Wong & Pereira (2016) |
| <i>Rothmannia lagunensis</i> (Merr.) Ridsdale | <i>Ridsdalea lagunensis</i> (Merr.) J.T. Pereira | |
| <i>Rothmannia leytenensis</i> Ridsdale | <i>Ridsdalea leytenensis</i> (J.T. Pereira & Ridsdale) J.T. Pereira | |
| <i>Rothmannia merillii</i> (Elmer) Ridsdale | <i>Ridsdalea merillii</i> (Elmer) J.T. Pereira | |
| SAPROSMA Blume | | |
| <i>Saprosma ternata</i> (Wall.) Hook.f. | [species distribution in the Philippines needs verification] | Govaerts (2003); Pelser <i>et al.</i> (2011 - onwards) |
| STREBLOSA Korth. | | |
| <i>Streblosa palawanensis</i> var. <i>merrillii</i> Bremek. | <i>Streblosa palawanensis</i> Bremek. [variety is cited as the type species] | Pelser <i>et al.</i> (2011 - onwards) |
| <i>Streblosa palawanensis</i> var. <i>elmeri</i> Bremek. | <i>Streblosa palawanensis</i> Bremek. [variety is cited as the type species] | |
| <i>Streblosa axilliflora</i> var. <i>angustifolia</i> Bremek. | <i>Streblosa axilliflora</i> Merr. [variety is cited as the type species] | |
| SULITIA Merr. | | |
| <i>Sulitia obscurinervia</i> (Merr.) Ridsdale [cited as] | <i>Atractocarpus obscurinervius</i> (Merr.) Puttock | Puttock (1999) |
| TARENNA Gaertn. | | |
| <i>Tarenna pubescens</i> (Bartl.) Bremek. [cited as] | <i>Tarenna bartlingii</i> Bremek. | Pelser <i>et al.</i> (2011 - onwards) |
| TIMONIUS Rumph ex DC. | | |
| <i>Timonius panayensis</i> Merr. [synonym to] | <i>Timonius valetonii</i> Elmer | Chavez <i>et al.</i> (2020c) |
| <i>Timonius philippinensis</i> Merr. [synonym to] | <i>Timonius finlaysonianus</i> (Wall. Ex G.Don) Hook. f. | |
| <i>Timonius quadrasii</i> Elmer [synonym to] | <i>Ridsdalea quadrasii</i> (Elmer) J.G. Chavez, Meve & Liede | |
| <i>Timonius nitidus</i> (Bartl. ex DC.) Fern-Vill. | [species distribution in the Philippines is dubious] | |
| UNCARIA Schreb. | | |
| <i>Uncaria cordata</i> forma <i>sundaica</i> Ridsdale | <i>Uncaria cordata</i> (Lour.) Merr. [forma is cited as the type species] | Wong <i>et al.</i> (2019) |
| VILLARIA Rolfe | | |
| <i>Villaria philippinensis</i> Rolfe [cited as] | <i>Villaria odorata</i> (Blanco) Merr. | Alejandro <i>et al.</i> (2011) |
| <i>Villaria rolfei</i> Vidal [cited as] | <i>Villaria odorata</i> (Blanco) Merr. | Alejandro <i>et al.</i> (2011) |
| WENDLANDIA Bartl. ex DC. | | |
| <i>Wendlandia luzoniensis</i> var. <i>membranifolia</i> (Elmer) Cowan | <i>Wendlandia luzoniensis</i> DC. var. <i>luzoniensis</i> | Pelser <i>et al.</i> (2011 - onwards) |
| XANTHOPHYTUM Reinw. ex Blume | | |
| <i>Xanthophytum fruticulosum</i> Blume | [species distribution not recorded in the Philippines] | Axelius (1990) |