**SUPPORTING INFORMATION**

Traditional uses, chemical diversity and bioactivities of *Alstonia* R. Br. (Apocynaceae): A review

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**Table S1.** Name and distribution of genus *Alstonia* plants.

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| Accepted Name | Homotypic Names | Distribution |
| *Alstonia* *actinophylla* K. Schum. | *Alstonia* *verticillosa* F Muell.Alyxia actinophylla A. Cunn. | New Guinea to Australia |
| *Alstonia angustifolia* A. DC. | *Alstonia latifolia* Ridl.*Alstonia* *beccarii* (Benth.) Pichon*Amblyocalyx* *beccarii* Benth.*Alstonia* *angustifolia* var. *elliptica* King & Gamble*Alstonia* *angustifolia* var. *latifolia* King & Gamble | Malesia |
| *Alstonia* *angustiloba* Miq. | *Alstonia* *angustiloba* var. *glabra* Koord. & Valeton*Alstonia* *calophylla* Miq.*Paladelpha* *angustiloba* (Miq.) Pichon | Thailand to Malesia |
| *Alstonia* *annamensis* (Monach.) Sidiy. | *Alstonia* *angustifolia* var. *annamensis* Monach. | Cambodia to Vietnam |
| *Alstonia* *balansae* Guillaumin | *Alstonia* *undulata* Guillaumin | New Caledonia |
| *Alstonia beatricis* Sidiy. | - | New Guinea (Waigeo) |
| *Alstonia boulindaensis* Boiteau |  | New Caledonia |
| *Alstonia boonei* De Wild. | - | Africa to Ethiopia and Tanzania |
| *Alstonia breviloba* Sidiy. | - | Papua New Guinea |
| *Alstonia ciliata* Benth*.* | - | - |
| *Alstonia congensis* Engl. | *Alstonia* *congensis* var. *glabrata* Hutch. & Dalziel*Alstonia* *gilletii* De Wild.*Alstonia* *pedicellate* Pierre ex A Chev. | Africa |
| *Alstonia constricta* F. Muell. | *Alstonia* *constricta* var. *montmariensis* F. M. Bailey*Alstonia* *mollis* Benth.*Alstonia* *constricta* var. *mollis* F. M. Bailey | Australia |
| *Alstonia* *coriacea* Pancher & S. Moore | *Alstonia* *lenormandii* var. *coriacea* (Pancher ex S. Moore) Monach. | New Caledonia |
| *Alstonia* *curtisii* King & Gamble | - | Thailand |
| *Alstonia costata* R. Br. | *Alstonia costata* Jeann.*Alstonia costata* var*. fragrans* (Moore) M. L. Grant*Alstonia elliptica* J. W Moore*Alstonia fragrans* J. W Moore*Alstonia godeffroyi* Reinecke.*Alstonia* *marquisensis* M. L. Grant ex Fosberg & Sachet*Alstonia montana* Turrill*Alstonia montana* var. *filiformis* Monach.*Alstonia plumosa* Labill.*Alstonia plumosa* f. *glabra* Boiteau*Alstonia plumosa* var. *communis* Boiteau*Alstonia reineckeana* Lauterb.*Alstonia roeperi* Van Heurck & Müll. Arg.*Alstonia setchelliana* Christoph.*Alstonia smithii* Markgr.*Alstonia vitiensis* Seem.*Alstonia villosa* Seem.*Alstonia vitiensis* f. *glabra* A.C.Sm.*Alstonia vitiensis* var. *novoebudica* Monach.*Alstonia vitiensis* var. *whitmorei* Markgr.*Echites* *costatus* G. Forst. | Pacific |
| *Alstonia* *deplanchei* Van Heurck & Müll. Arg. | - | New Caledonia |
| *Alstonia* *guangxiensis* D. Fang & X. X. Chen | - | China (Guangxi) to Vietnam |
| *Alstonia* *iwahigensis* Elmer | - | Borneo to Philippines (Palawan) |
| *Alstonia lanceolata* Van Heurck & Müll. Arg. | - | New Caledonia |
| *Alstonia* *lanceolifera* S. Moore | *Alstonia* *lanceolifera* var. *oleoidea* Boiteau*Alstonia* *lenormandii* var. *lanceolifera* (S. Moore) Monach.*Alstonia* *stenophylla* Guillaumin | New Caledonia |
| *Alstonia legouixiae* Van Heurck & Müll. Arg. | *Alstonia* *legouixiae* var. *linearis* Boiteau*Alstonia* *legouixiae* var. *obtusalabastra* Boiteau | New Caledonia |
| *Alstonia* *lenormandii* Van Heurck & Müll. Arg. | *Alstonia* *moui* Pancher | New Caledonia |
| *Alstonia longifolia* (A. DC.) Pichon | *Alstonia macrantha* (Woodson) A. H. Gentry*Alstonia pittieri* (Donn. Sm.) A. H. Gentry*Alstonia stenophylla* (Donn. Sm.) J. F. Morales*Carissa verticillata* Sessé & Moc.*Rauvolfia longifolia A.* DC.*Rauvolfia stenophylla* Donn. Sm*Tonduzia longifolia* (DC.) Markgr.*Tonduzia longipedunculata* Woodson in Standl. & Steyerm.*Tonduzia macrantha* Woodson*Tonduzia parvifolia* Pittier*Tonduzia pittieri* Donn. Sm.*Tonduzia stenophylla* Pittier | Mexico to America |
| *Alstonia macrophylla* Wall. ex G. Don | *Echites trifidus* Blanco*Alstonia macrophylla* var. *glabra* A. DC.*Alstonia batino* Blanco*Alstonia costata* Wall. *Alstonia acuminata* Miq.*Alstonia paucinervia* Merr.*Alstonia pangkorensis* King & Gamble*Alstonia oblongifolia* Merr.*Alstonia macrophylla* var. *mollis* Merr.*Alstonia glabriflora* Markgr.*Alstonia brassii* Monach.*Alstonia* *subsessilis* Miq.*Alstonia macrophylla* var. *acuminata* (Miq.) Monach. | China (Yunnan, Guangdong) to Asia |
| *Alstonia mairei* H. Lév. | *Alstonia* *paupera* Hand. - Mazz.*Blaberopus* *mairei* (Lévl.) Lý*Wikstroemia* *hemsleyana* H. Lév. | China to Vietnam |
| *Alstonia* *muelleriana* Domin | *Alstonia* *muelleriana* var. *parvifolia* Domin*Alstonia* *villosa* Benth. | New Guinea to Queensland |
| *Alstonia neriifolia* D. Don | *Alstonia* *neriifolia* var. *glabra* Monach.*Alstonia* *sericea* Blume*Blaberopus* *neriifolius* A. DC.*Blaberopus* *sericeus* A. DC. | Nepal to Bhutan |
| *Alstonia odontophora* Boiteau | - | New Caledonia |
| *Alstonia* *parkinsonii* (M. Gangop. & Chakrab.) Lakra & Chakrab. | *Winchia* *parkinsonii* M. Gangop. & Chakrab. | Andaman Is. |
| *Alstonia parvifolia* Merr. | - | Philippines |
| *Alstonia penangiana* Sidiy. | - | Malaysia (Penang Hill) |
| *Alstonia pneumatophora* Backer ex Den Berger | *Alstonia* *pneumatophora* Monach. | Malesia |
| *Alstonia* *quaternata* Van Heurck & Müll. Arg. | - | New Caledonia |
| *Alstonia* *rostrata* C. E. C. Fisch. | *Alstonia* *glaucescens* (K. Schum) Monach.*Alstonia* *pachycarpa* Merr. & Chun*Alstonia* *undulifolia* Kochummen & K. M Wong*Alyxia* *calophylla* Wall.*Winchia* *calophylla* A. DC.*Winchia* *glaucescens* K. Schum. | China (Yunnan) to Sumatera |
| *Alstonia rubiginosa* Sidiy. | - | Papua New Guinea |
| *Alstonia rupestris* Kerr | *Blaberopus* *rupester* (Kerr) Pichon | China (W. Guangxi) to N. Thailand |
| *Alstonia scholaris* (L.) R. Br. | *Echites* *scholaris* L. | Subtrop. Asia to Australia |
|  | *Echites pala* Buch. - Ham. ex Spreng*.* |  |
|  | *Alstonia kurzii* Hook. f. |  |
|  | *Pala scholaris* (L.) Roberty |  |
| *Alstonia sebusi* (Van Heurck & Müll. Arg.) Monach. | *Alstonia* *henryi* Tsiang*Alstonia* *sebusi* var. *szemaoensis* Monach.*Blaberopus* *sebusi* Van Heurck & Müll. Arg. | Bhutan to China (Yunnan) |
| *Alstonia siamemsis* W. G. Craib | - | - |
| *Alstonia* *spatulata* Blume | *Alstonia* *cochinchinensis* Pierre ex Pit.*Alstonia* *cuneata* Wall. & G. Don | Indo-China to New Guinea |
| *Alstonia spectabilis* R. Br. | *Alstonia villosa* Blume*Blaberopus villosa* var. *petiolata* Miq.*Blaberopus villosus* Miq.*Alstonia ophioxyloides* F. Muell.*Alstonia linearis* Benth.*Alstonia longissima* F. Muell.*Alstonia villosa* var. *glabra* Koord. & Valeton*Alstonia somersetensis* F.M. Bailey*Alstonia villosa* f. *calvescens* Markgr.*Alstonia spectabilis* subsp. *ophioxyloides* (F. Muell.) P. I. Forst. | Malesia to N. Australia |
| *Alstonia sphaerocapitata* Boiteau | - | New Caledonia |
| *Alstonia venenata* R. Br. | *Alstonia* *venenata* var*.* *pubescens* Monach.*Blaberopus* *venenatus* A. DC.*Echites* *venenatus* Roxb. | India |
| *Alstonia vieillardii* Van Heurck & Müll. Arg. | *Alstonia* *duerckheimiana* Schltr.*Alstonia* *vieillardii* var. *glaberrima* Guillaumin | New Caledonia |
| *Alstonia vietnamensis* D. J. Middleton | - | Vietnam |
| *Alstonia yunnanensis* Diels | *Alstonia* *esquirolii* H. Lév. | China (Yunnan, Guizhou, Guangxi) |
|  | *Pycnostelma esquirolii* H. Lév*.* |  |

—: not mentioned.