

A NEW SCIENTIFIC CLASSIFICATION FOR BAMBOOS (BPG 2012)

The Bamboo Phylogeny Group used its estimate of bamboo relationships to produce a revised scientific classification for bamboos. The classification was presented at the 9th World Bamboo Congress in Antwerp, Belgium in April 2012.

The classification is presented here in abridged form. Subtribe names correspond with the phylogenetic tree of [Kelchner & BPG \(2013\) Higher level phylogenetic relationships within the bamboos \(Poaceae: Bambusoideae\) based on five plastid markers. *Molecular Phylogenetics and Evolution* 67: 404-413.](#)

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POACEAE subfamily BAMBUSOIDEAE Luerss., Grundz. Bot., ed. 5: 451. 1893.

Three tribes: Arundinarieae, Bambuseae, Olyreae (estimated number of species, in parentheses)

(1) TRIBE Arundinarieae Nees ex Asch. & Graebn. ["Temperate Bamboos"]

Included genera:

Acidosasa C. D. Chu & C. S. Chao ex P. C. Keng (11) (including *Metasasa* W. T. Lin)

Ampelocalamus S. L. Chen, T. H. Wen & G. Y. Sheng (13)

Arundinaria Michx. (3)

Bashania P. C. Keng & Yi (2)

Chimonobambusa Makino (37) (including *Menstruocalamus* T. P. Yi, *Oreocalamus* Keng, *Qiongzhueta* Hsueh & Yi)

Chimonocalamus Hsueh & Yi (11)

Drepanostachyum P. C. Keng (10)

Fargesia Franchet (90) (including *Borinda* Stapleton, *Sinarundinaria* Nakai)

Ferrocalamus Hsueh & P. C. Keng (2)

Gaoligongshania D. Z. Li, Hsueh & N. H. Xia (1)

Gelidocalamus T. H. Wen (9)

Himalayacalamus P. C. Keng (8)

Indocalamus Nakai (23)

Indosasa McClure (15)

Oligostachyum Z. P. Wang & G. H. Ye (15) (including *Clavinodum* T. H. Wen)

Oligostachyum xPhyllosasa Demoly (1)

Phyllostachys Sieb. & Zucc. (51)

Pleiolblastus Nakai (40) (including *Nipponocalamus* Nakai, *Polyanthus* C. H. Hu)

Pseudosasa Makino ex Nakai (19)

Sarocalamus Stapleton (3)

Sasa Makino & Shibata (40)

Sasaella Makino (13)

Sasamorpha Nakai (5)

Semiarundinaria Makino ex Nakai (10) (including *Brachystachyum* Keng)

Shibataea Makino ex Nakai (7)

Sinobambusa Makino ex Nakai (10)

Thamnocalamus Munro (4)

Yushania P. C. Keng (80) (including *Burmabambus* P. C. Keng, *Butania* P. C. Keng, *Monospatha* W. T. Lin)

(2) **TRIBE Bambuseae** Kunth ex Dumort

[“Tropical Woody Bamboos”]

Neotropical Woody Subtribes:

(2a) **Subtribe Arthrostylidiinae** Bews. Included genera:

Actinocladum Soderstr. (1)
Alvimia Soderstr. & Londoño (3)
Arthrostylidium Rupr. (32)
Athroostachys Benth (1)
Atractantha McClure (6),
Aulonemia Goudot (40) (including *Matudacalamus* F. Maekawa)
Colantheia McClure & E. W. Sm. (7)
Elytrostachys McClure (2)
Filgueirasia Guala (2)
Glaziophyton Franch. (1)
Merostachys Spreng. (48)
Myriocladus Swallen (12)
Rhipidocladum McClure (17)

(2b) **Subtribe Chusqueinae** Bews. Included genera:

Chusquea Kunth (160) (including *Neurolepis* Meisn., *Rettbergia* Raddi, *Swallenochloa* McClure)

(2c) **Subtribe Guaduinae** Soderstr. & R. P. Ellis. Included genera:

Apoclada McClure (1)
Eremocaulon Soderstr. & Londoño (4) (including *Criciuma* Soderstr. & Londoño)
Guadua Kunth (27)
Olmecca Soderstr. (5)
Otatea (McClure & E. W. Sm.) C. E. Calderón & Soderstr. (8)

Paleotropical Woody Subtribes:

(2d) **Subtribe Bambusinae** J. S. Presl in K. B. Presl. Included genera:

Bambusa Schreber (100) (including *Dendrocalamopsis* Q. H. Dai & X. L. Tao, *Isurochloa* Buse, *Leleba* Rumphius ex Nakai, *Lingnania* McClure, *Neosinocalamus* P.C. Keng, *Tetragonocalamus* Nakai)
Bonia Balansa (5) (including *Monocladus* Chia, H. L. Fung & Y. L. Yang)
Cyrtochloa S. Dransf. (5)
Dendrocalamus Nees (41) (including *Klemachloa* R. N. Parker, *Sinocalamus* McClure)
Dinochloa Buse (31)
Fimbribambusa Widjaja (2)
Gigantochloa Kurz ex Munro (30)
Greslania Balansa (4)
Holttumochloa K. M. Wong (3)
Kinabaluchloa K. M. Wong (2)
Maclurochloa K. M. Wong (1)
Melocalamus Benth. (5)
Mullerochloa K. M. Wong (1)

Neololeba Widjaja (5)
Neomicrocalamus P. C. Keng (5) (including *Microcalamus* Gamble)
Oreobambos K. Schumann (1)
Oxytenanthera Munro (1)
Parabambusa Widjaja (1)
Phuphanochloa Sungkaew & Teerawat. (1)
Pinga Widjaja (1)
Pseudobambusa Nguyen (1)
Pseudoxytenanthera Soderstr. & Ellis (12)
Soejatmia K. M. Wong (1)
Sphaerobambos S. Dransf. (3)
Temochloa S. Dransf. (1)
Temburongia S. Dransf. & K. M. Wong (1)
Thyrsostachys Gamble (2)
Vietnamosasa Nguyen (3)

(2e) **Subtribe Hickeliinae** A. Camus. Included genera:

Cathariostachys S. Dransf. (2)
Decaryochloa A. Camus (1)
Hickelia A. Camus (4) (including *Pseudocoix* A. Camus)
Hitchcockella A. Camus (1)
Nastus Juss. (20) (including *Chloothamnus* Büse, *Oreiostrachys* Gamble)
Perrierbambus A. Camus (2)
Sirochloa S. Dransf. (1)
Valiha S. Dransf. (2).

(2f) **Subtribe Melocanninae** Benth. Included genera:

Cephalostachyum Munro (14)
Davidsea Soderstr. & Ellis (1)
Dendrochloa C. E. Parkinson (1)
Melocanna Trin. (2)
Neohouzeaua A. Camus (7)
Ochlandra Thwaites (9)
Pseudostachyum Munro (1)
Schizostachyum Nees (50) (including *Leptocanna* L. C. Chia & H. L. Fung)
Stapletonia Singh, Dash & Kumari (1)
Teinostachyum Munro (2)

(2g) **Subtribe Racemobambosinae** Stapleton. Included genera:

Racemobambos Holttum (16)

(3) **TRIBE Olyreae** Kunth ex Spenn., Fl. Friburg. 1: 172. 1825. ["Herbaceous Bamboos"]

(3a) **Subtribe Buergersiuchloinae** (S. T. Blake) L. G. Clark & Judz., Aliso 23: 311. 2007. Included genera:

Buergersiuchloa Pilg. (1)

(3b) **Subtribe Parianinae** Hack. in Engler & Prantl, Naturl. Pflanzenfam. 2, 2: 88. 1887. Included genera:

Eremitis Döll (1)

Pariana Aubl. (35)

(3c) **Subtribe Olyrinae** Kromb., Fl. Luxembourg 496. 1875. Included genera:

Agnesia Zuloaga & Judz. (1)

Arberella Soderstr. & C. E. Calderón (7)

Cryptochloa Swallen (8)

Diandrolyra Stapf (3)

Ekmanochloa Swallen (2)

Froesiuchloa G. A. Black (1)

Lithachne P. Beauv. (4)

Maclurolyra C. E. Calderón & Soderstr. (1)

Mniuchloa Chase (1)

Olyra L. (24)

Parodiolyra Soderstr. & Zuloaga (5)

Piresia Swallen (5)

Piresiella Judz., Zuloaga & Morrone (1)

Raddia Bertol. (9)

Raddiella Swallen (8)

Rehia Fijten (1)

Reitzia Swallen (1)

Sucrea Soderstr. (3)

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