

Supplementary Material

Islam, M., Rahman, M., Bräuning, A., 2018. Growth-ring boundary anatomy and dendrochronological potential in a moist tropical forest in northern Bangladesh *Tree-Ring Research* 74(1):76–93.

Table S1. Characteristics of 27 tree species from a moist tropical forest in Bangladesh

Species name	Common name	Family	Distribution ^a	Phenology ^b	Ecological guild ^c	Maximum height (m)	Main use of wood
<i>Aphanamixis polystachya</i>	Pitraj	Meliaceae	SA, EA, SEA	Deciduous	P	32	Furniture, construction
<i>Albizia procera</i>	Silkoroi	Liguminosea	SA, EA, SEA, A, PN	Deciduous	P	30	Furniture, veneer
<i>Anthocephalus chinensis</i>	Kadam	Rubiaceae	SA, EA, SEA, A, PN	Evergreen	P	45	Plywood, pulp and paper
<i>Artocarpus chaplasha</i>	Chapalish	Moraceae	SA, SEA	Deciduous	P	40	Furniture, veneer & plywood
<i>Bombax ceiba</i>	Simul	Bombacaceae	SA, SEA, A	Deciduous	P	25	Pulp & paper, packing cases
<i>Bursera serrata</i>	Neul	Burseraceae	SA, SEA	Brevi-deciduous	P	30	Furniture, construction
<i>Castanopsis armata</i>	Singra	Fagaceae	SA	Evergreen	P	20	Planks, firewood
<i>Chukrasia tabularis</i>	Chickrasi	Meliaceae	SA, EA, SEA	Brevi-deciduous	P	40	Furniture, construction
<i>Dillenia pentagyna</i>	Hargoja	Dilleniaceae	SA, EA, SEA	Deciduous	PST	25	Charcoal, planks
<i>Dipterocarpus turbinatus</i>	Garjan	Dipterocarpaceae	SA, EA, SEA	Deciduous	ST	60	Furniture, construction
<i>Garuga pinnata</i>	Jeolbadi	Burseraceae	SA, EA, SEA	Deciduous	P	18	Essential oil, furniture
<i>Gmelina arborea</i>	Gamar	Verbenaceae	SA, EA, SEA	Deciduous	P	30	Plywood, firewood
<i>Hopea scaphula</i>	Boilam	Dipterocarpaceae	SA, SEA	Brevi-deciduous	PST	45	Furniture, construction
<i>Ilex godajam</i>	Loud	Aquifoliaceae	SA, SEA	Evergreen	ST	18	Firewood
<i>Lagerstroemia parviflora</i>	T-jarul	Lythraceae	SA, SEA	Deciduous	PST	30	Furniture, construction
<i>Lagerstroemia speciosa</i>	Jarul	Lythraceae	SA, EA, SEA	Deciduous	ST	26	Furniture, boat making
<i>Mangifera sylvatica</i>	Uri-am	Anacardiaceae	SA, EA, SEA	Evergreen	P	45	Plywood, furniture
<i>Michelia champaca</i>	Champa	Magnoliaceae	SA, SEA	Brevi-deciduous	P	50	Furniture, construction
<i>Pistacia integerrima</i>	Lal kakra	Anacardiaceae	SA	Deciduous	P	25	Firewood, charcoal
<i>Schima wallichii</i>	Bonak	Theaceae	SA, EA, SEA	Evergreen	P	47	Furniture, railway sleepers
<i>Shorea robusta</i>	Sal	Dipterocarpaceae	SA, SEA	Deciduous	PST	50	Construction, Furniture
<i>Swietenia mahagoni</i>	Mahagoni	Meliaceae	SA, SEA, CI, Af, CA	Deciduous	P	30	Furniture and cabinet work
<i>Syzygium cumini</i>	Kalo jam	Myrtaceae	SA, SEA	Evergreen	P	35	Construction, furniture
<i>Syzygium grande</i>	Dhaki jam	Myrtaceae	SA, EA, SEA	Evergreen	P	45	Construction, furniture
<i>Terminalia bellirica</i>	Bohera	Combretaceae	SA, EA, SEA	Deciduous	PST	50	Firewood, charcoal
<i>Toona ciliata</i>	Toon	Meliaceae	SA, SEA, Af	Deciduous	P	40	Furniture, veneer & plywood
<i>Vitex pubescens</i>	Awal	Verbenaceae	SA, EA, SEA	Evergreen	P	30	Construction, furniture

^aSA = South Asia, EA = East Asia, SEA = South-East Asia, A = Australia, Af = Africa, CA = Central America, PN = Papua New Guinea.

^bDeciduous: tree leafless for more than four weeks; Brevi-deciduous: tree briefly or only partially leafless; Evergreen = trees without leafless periods.

^cP = Pioneer, PST = Partially shade tolerant, ST = Shade tolerant.

Table S2. Results of a PCA of wood anatomical features defining growth-ring boundaries in 27 tropical tree species from a moist tropical forest in Bangladesh.

PCA axes	Eigen values	Variance explained (%)	Cumulative variance explained (%)
Comp.1	2.9	31.15	31.15
Comp.2	1.86	19.94	51.09
Comp.3	1.48	15.29	66
Comp.4	0.94	10.4	76
Comp.5	0.70	7.79	84
Comp.6	0.53	5.89	90
Comp.7	0.40	4.4	94
Comp.8	0.27	2.99	97
Comp.9	0.20	2.2	100