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Supplementary Material

Functional traits in Myrteae species: the role of habitat heterogeneity and genus in humid and seasonal tropical environments

Paulo Sérgio Neves dos Santos[A,*], *Davi Rodrigo Rossatto*[B], *Marla Ibrahim Uehbe de Oliveira*[C], *Ana Paula Lima do Couto-Santos*[D], *and Ligia Silveira Funch*[A]

[A]Laboratório Flora e Vegetação, Programa de Pós-graduação em Botânica, Universidade Estadual de Feira de Santana (UEFS), Novo Horizonte, Feira de Santana, BA, Brazil.

[B]Departamento de Biologia, Faculdade de Ciências Agrárias e Veterinárias, Universidade Estadual Paulista (UNESP), Jaboticabal, SP, Brazil.

[C]Universidade Federal de Sergipe (UFS), Herbário da Universidade Federal de Sergipe (ASE), Cidade Universitária Prof. José Aloísio de Campos, CCBS, DBI, Bairro Jardim Rosa Elze, São Cristóvão, SE, Brazil.

[D]Departamento de Ciências Exatas e Naturais, Universidade Estadual do Sudoeste da Bahia (UESB), Itapetinga, BA, Brazil.

[*]Correspondence to: Paulo Sérgio Neves dos Santos Laboratório Flora e Vegetação, Programa de Pós-graduação em Botânica, Universidade Estadual de Feira de Santana (UEFS), Novo Horizonte, Feira de Santana, BA, Brazil Email: paulosergio.ns@hotmail.com

Table S1. Species variations and standard deviations in Wood Density (WD) of Myrteae in the Sincorá Range, Bahia, Brazil.

Species	Habitat	WD (g cm^{-3})	ANOVA
Psidium guineense Sw.	RG	0.56±0.02	a
Psidium cattleyanum Sabine	RG	0.57±0.02	ab
Campomanesia guaviroba (DC.) Bertoni.	HF	0.59±0.07	abc
Eugenia cerasiflora Miq.	S	0.60±0.03	abc
Myrcia pubescens DC.	RG	0.61^{A}	abc
Myrcia guianensis (Aubl.) DC.	RG	0.63±0.05	abcd
Myrcia sylvatica (G.Mey.) DC.	RG	0.64±0.03	abcde
Psidium grandifolium Mart. ex DC.	S	0.65±0.02	abcdef
Blepharocalyx salicifolius (Kunth) O.Berg	HF	0.65±0.01	abcdef
Eugenia punicifolia (Kunth) DC.	S	0.66±0.05	abcdef
Eugenia hirta O.Berg	HF	0.67±0.05	abcdefg
Myrcia splendens (Sw.) DC.	S	0.67±0.04	abcdefgh
Myrcia venulosa DC.	RG	0.68±0.004	abcdefghi
Myrcia trichantha (Wawra) Sobral	S	0.68±0.03	abcdefghi
Myrcia pseudovenulosa Stadnik & Sobral	RG	0.69±0.01	bcdefghij
Myrciaria floribunda (H.West ex Willd.) O.Berg	RG	0.69±0.03	bcdefghij
Eugenia punicifolia (Kunth) DC.	SDTF	0.7±0.02	bcdefghij
Myrcia trichantha (Wawra) Sobral	SDTF	0.71±0.06	cdefghijk
Myrcia neoregeliana E.Lucas & C.E.Wilson	HF	0.71±0.02	cdefghijk
Eugenia splendens O.Berg	RG	0.75±0.02	defghijkl
Myrcia reticulosa Miq.	RG	0.77^{A}	efghijkl
Myrcia blanchetiana (O.Berg) Mattos	RG	0.77±0.06	efghijkl
Myrciaria glanduliflora (Kiaersk.) Mattos & D.Legrand	HF	0.77±0.03	fghijkl
Eugenia anisomischa Sobral & K.Cout.	RG	0.77±0.03	fghijkl
Myrcia densa (DC.) Sobral	RG	0.78^{A}	fghijkl
Eugenia modesta DC.	S	0.78±0.01	fghijkl

Species	Habitat	WD (g cm^{-3})	ANOVA
			a b c d e f g h i j k l
Psidium schenckianum Kiaersk.	SDTF	0.79±0.01	
Psidium brownianum Mart. ex DC.	SDTF	0.80±0.009	
Psidium brownianum Mart. ex DC.	HF	0.80±0.04	
Eugenia anisomischa Sobral & K.Cout.	HF	0.80±0.03	
Myrcia mucugensis Sobral	RG	0.82±0.02	
Eugenia pistaciifolia O.Berg	S	0.83±0.03	
Myrcia lasiantha DC.	RG	0.86±0.01	
Myrcia splendens (Sw.) DC.	SDTF	0.87±0.04	

Each colour represents a letter, and means followed by the same letter among species indicate no statistically significant difference between them (variance analysis followed by the Tukey test, $P < 0.05$). HF, humid forest; RG, rupestrian grassland; SDTF, seasonally dry tropical forest; S, savanna. r = 2.51851851851852; s.e. = 0.022940825951648.

[A]Species with only one specimen was collected.

Table S2. Species variations and standard deviations in Specific Leaf Area (SLA) of Myrteae in the Sincorá Range, Bahia, Brazil.

Species	Habitat	SLA (g cm^{-3})	ANOVA			
			a	b	c	d
Myrcia lasiantha DC.	RG	28.7±4				
Myrcia venulosa DC.	RG	35.5±0.2				
Psidium grandifolium Mart. ex DC.	S	38.3±4.3				
Eugenia splendens O.Berg	RG	38.3±5.2				
Myrcia mucugensis Sobral	RG	40.5±10				
Myrcia pubescens DC.	RG	43.1[A]				
Psidium brownianum Mart. ex DC.	SDTF	43.2±2				
Eugenia punicifolia (Kunth) DC.	S	45±2.2				
Myrcia densa (DC.) Sobral	RG	48.3[A]				
Myrcia trichantha (Wawra) Sobral	SDTF	49.1±11.5				
Eugenia pistaciifolia O.Berg	S	49.5±5.6				
Myrcia reticulosa Miq.	RG	49.6[A]				
Myrcia pseudovenulosa Stadnik & Sobral	RG	50.5±2.6				
Myrcia trichantha (Wawra) Sobral	S	50.7±1				
Psidium schenckianum Kiaersk.	SDTF	54.4±9				
Myrcia guianensis (Aubl.) DC.	RG	55.8±14.2				
Eugenia modesta DC.	S	61±1				
Eugenia cerasiflora Miq.	S	65.7±6.3				
Eugenia punicifolia (Kunth) DC.	SDTF	66.6±9.3				
Myrcia neoregeliana E.Lucas & C.E.Wilson	HF	67±24.1				
Psidium cattleyanum Sabine	RG	70±9				
Myrcia splendens (Sw.) DC.	SDTF	74.7±8.7				
Myrciaria floribunda (H.West ex Willd.) O.Berg	RG	75.1±5.8				
Myrcia blanchetiana (O.Berg) Mattos	RG	78.5±13.7				
Psidium guineense Sw.	RG	79.4±30				
Blepharocalyx salicifolius (Kunth) O.Berg	HF	84.8±10				
Psidium brownianum Mart. ex DC.	HF	87.4±3				
Eugenia hirta O.Berg	HF	97.8±31				
Myrciaria glanduliflora (Kiaersk.) Mattos & D.Legrand	HF	101±47.7				
Myrcia sylvatica (G.Mey.) DC.	RG	115±13.4				
Eugenia anisomischa Sobral & K.Cout.	RG	120±27.3				
Myrcia splendens (Sw.) DC.	S	154±129.3				
Eugenia anisomischa Sobral & K.Cout.	HF	161.7±44.6				
Campomanesia guaviroba (DC.) Bertoni.	HF	171±40.2				

Each colour represents a letter, and means followed by the same letter indicate no statistically significant difference between them (variance analysis followed by the Tukey test, $P < 0.05$). HF, humid forest; RG, rupestrian grassland; SDTF, seasonally dry tropical forest; S, savanna. $R = 2.51851851851852$; s.e. = 18.8300016602597.

[A]Indicates species in which only one individual was collected.