

Iniciação Científica - Supplement

Occurrence and characterization of insect galls in two areas of tropical dry forest (caatinga) in São Francisco River Natural Monument, Brazil

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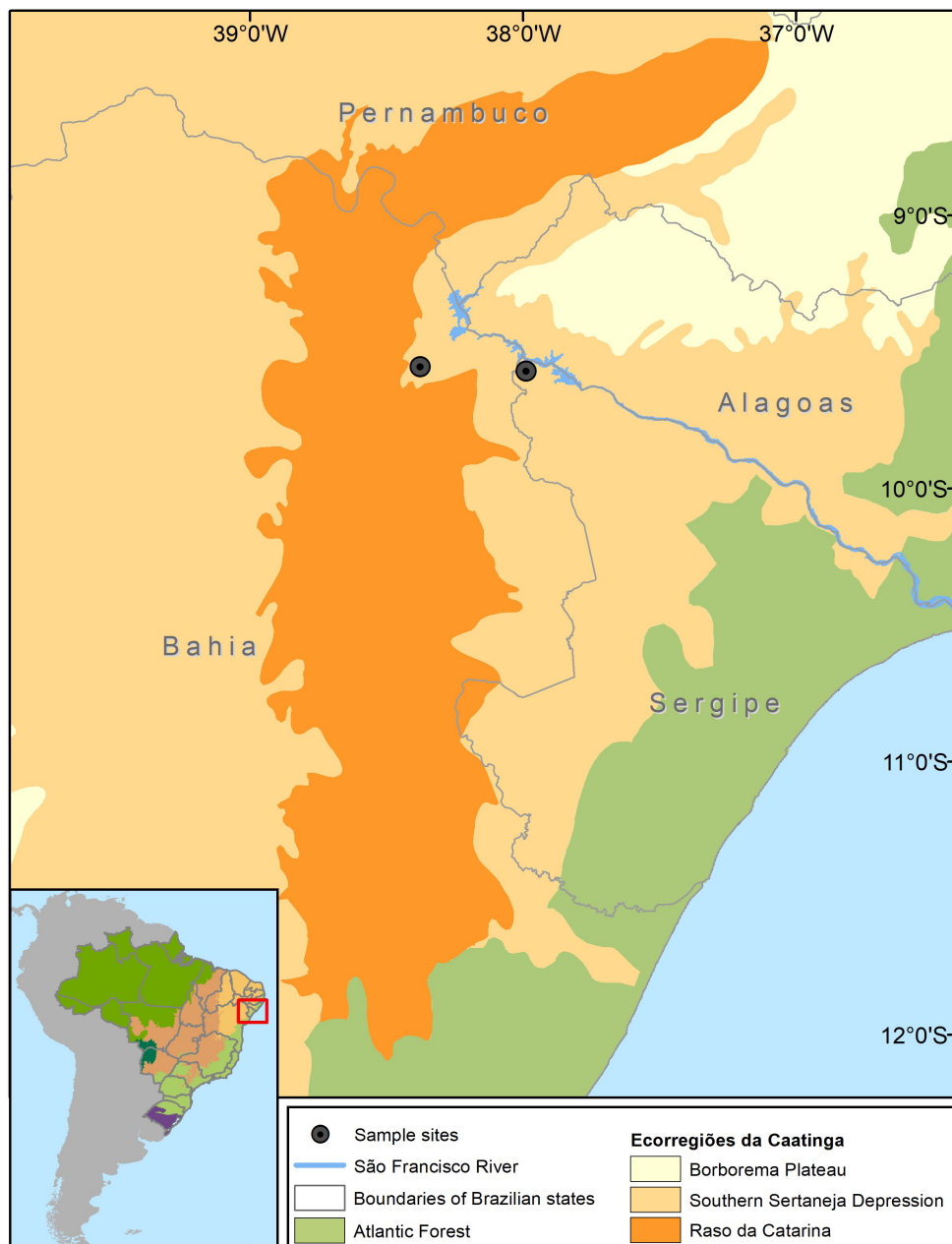


Figure 1S. Geographical overview of the Caatinga Domain, showing the location of the study areas. Map modified from Velloso et al. (2002).

Table 15. Insect gall in two areas of caatinga in São Francisco River Natural Monument, Brazil.

Family	Species	Plant lifeform	Organ/Surface	Shape	Pilose	Color	Occurrence	Galling-inducing insects	Associated fauna	Study area	Season	Number of host plant	Figures
Bignoniaceae	<i>Handroanthus impetiginosus</i> (Mart. ex DC.) Mattos	Tree	Leaf/adaxial	Lenticular	No	Green	Isolated	-	-	MN	Rainy	1	3a
Capparaceae	<i>Neocalyptocalyx longifolium</i> (Mart.) Cornejo & Iltis	Shrub	Leaf/abaxial	Globoid	Yes	Brown	Grouped	Lepidoptera	-	MN	Rainy	2	3b
	<i>Cnidocolus obtusifolius</i> Pohl ex Baill.	Shrub	Flower bud Leaf/adaxial Leaf/abaxial	Globoid	Yes	Green	Isolated	Cecidomyiidae	-	RS	Dry/Rainy	5	3c
					Yes	Green	Grouped	Cecidomyiidae	-	RS	Dry/Rainy	1	3d
					Yes	Green	Isolated	Cecidomyiidae	-	MN	Rainy	1	3e
	<i>Cnidocolus quercifolius</i> Pohl	Shrub	Leaf/abaxial	Globoid	No	Green	Isolated	Cecidomyiidae	Thysanoptera (inquiline)	RS	Dry/Rainy	15	3f
Euphorbiaceae	<i>Croton adamantinus</i> Müll. Arg.	Subshrub	Leaf/adaxial	Globoid	Yes	Green	Grouped	-	-	MN	Dry/Rainy	1	3g
	<i>Croton argyrophyllus</i> Kunth	Subshrub	Leaf/adaxial	Globoid	No	Green	Isolated	-	-	MN	Rainy	5	3h
	<i>Croton heliotropiifolius</i> Kunth	Subshrub	Leaf/adaxial Leaf/abaxial	Lenticular Globoid	Yes	Green	Isolated	Cecidomyiidae	-	MN	Rainy	3	3i
					Yes	Green	Isolated			RS	Rainy	4	3j
	<i>Croton triangularis</i> Müll. Arg.	Subshrub	Leaf/abaxial	Lenticular	Yes	Green	Isolated	-	-	MN	Rainy	1	3k
Fabaceae	<i>Cenostigma pyramidale</i> (Tul.) E. Gagnon & G.P. Lewis	Shrub	Stem Stem	Fusiform Globoid	No No	Brown Brown	Grouped Grouped	-	Acari Thysanoptera	MN MN MN	Dry Dry	1	3l 3m
	<i>Bauhinia cheilantha</i> (Bong.) Steud.	Tree	Leaf/abaxial Stem	Lenticular Fusiform	Yes No	Green Brown	Isolated Grouped	Cecidomyiidae	-	MN MN	Rainy Rainy	1	3n 3o
Myrtaceae	<i>Eugenia</i> sp.	Subshrub	Leaf/Adaxial	Lenticular	No	Green	Isolated	-	-	MN	Rainy	2	3p
Sapindaceae	<i>Serjania glabrata</i> Kunth	Vine	Stem Leaf/adaxial	Fusiform Lenticular	Yes Yes	Green Green	Agrupada Isolated	Cecidomyiidae	-	MN	Rainy Rainy	1	3q 3r
Verbenaceae	<i>Lippia grata</i> Schauer	Shrub	Leaf/abaxial	Globoid	Yes	Green	Isolated	Cecidomyiidae	-	RS	Rainy	4	3s

Table 2S. Gall morphotype richness on host plants in caatinga in Northeastern Brazilian.

Locality	Number of morphotype	Super-host family	Super-host genus	Super-host species
Canindé do São Francisco (SE) and Paulo Afonso (BA) (the present study)	19	Euphorbiaceae (n=9 gall morphotypes) and Leguminosae (n=4)	<i>Croton</i> L. (n=4) and <i>Cnidoscopus</i> Pohl. (n=2) (Euphorbiaceae)	<i>Cnidoscopus obtusifolius</i> (n=3)
Bahia: Nova Glória and Paulo Afonso (Santos-Silva et al. 2022)	12	Euphorbiaceae (n=5) and Bignoniaceae (n=3)	<i>Cnidoscopus</i> (n = 3) and <i>Croton</i> (n = 2)	<i>Mansoa paganucci</i> M.M. Silva (n=4)
Bahia: Ibiassucê (Brito et al. 2018)	20	Bignoniaceae (n=8), Leguminosae (n=4) and Sapindaceae (n = 2)	<i>Adenocalymma</i> Mart. ex Meisn. (Bignoniaceae) (n=7), <i>Mimosa</i> L. (n=3) e <i>Senegalia</i> Raf. (n=2) (Leguminosae-Caesalpinoideae)	<i>Mimosa tenuiflora</i> (Willd.) Poir. (n=3)
Sobral (CE) (Alcântara et al. 2017)	12	Euphorbiaceae (n=8)	-	<i>Croton sonderianus</i> Müll.Arg. = <i>Croton jacobinensis</i> Baill. (n=8)
Olho d'Água do Casado (AL), Canindé de São Francisco (SE) and Paulo Afonso (BA) (Carvalho-Fernandes et al. 2012)	25	Leguminosae (n=6)	-	<i>Caesalpinia pyramidalis</i> Tul. = <i>Cenostigma pyramidale</i> (Tul.) Gagnon & G.P.Lewis (n=4)
Pernambuco: Alagoinha, Bodocó, Buíque, Caruaru, Custódia, Pombos, Serra Talhada, Serrita, Pesqueira, Salgueiro and Parnamirim (Santos et al. 2011)	64	Leguminosae (n=15), Euphorbiaceae (n=9), Boraginaceae, Malpighiaceae and Myrtaceae (n=4)	<i>Bauhinia</i> L. (n=7) and <i>Croton</i> L. (n=5)	<i>Bauhinia cheilantha</i> (Bong.) Steud. (n=4)



Figure 25. Studied areas of open scrub caatinga vegetation located in northern Bahia state, Brazil. A-B. Povoado Rio do Sal, Paulo Afonso, Bahia: dry season (A), rainy season (B); C-D. Fazenda Mundo Novo, Canindé do São Francisco, Sergipe: dry season (C), rainy season (D). Photos: Geissy Anny Melo.