

Appendix 1 - Convolvulaceae species described in this study.

Genera	Species	Ocorrence	Geographic coordinate	Herbarium N°	Colector
<i>Aniseia</i>	<i>Aniseia cernua</i> Moric.	N5	6°02'30" S, 50°05'16" W	MG222501	Meirelles,J.968
<i>Cuscuta</i>	<i>Cuscuta insquamata</i> Yunck	N1	6°02'35" S, 50°16'57" W	MG 215432	Viana, P.L. 5594
		N7	6°09'16" S, 50°10'18" W	MG 215060	Mota, N.F.O. 3434
<i>Evolvulus</i>	<i>Evolvulus filipes</i> Mart	Serra do Tarzan	6°19'44" S, 50°08'20" W	MG 214460	Mota, N.F.O. 3003
<i>Ipomoea</i>	<i>Ipomoea asplundii</i> O'Donell	N7	6°09'29" S, 50°10'10" W	MG 226331	Vasconcelos, L.V. 1102
		N7	6°09'29" S, 50°10'14" W	MG 222398	Harley, R.M. 57379
	<i>Ipomoea cavalcantei</i> D.F.Austin	N1	6°01'20" S, 50°18'02" W	MG 223584	Falcão, B.F. 182
		N2	6°03'21" S, 50°15'13" W	MG 215469	Viana, P.L. 5631
		N3	6°02'34" S, 50°12'33" W	MG 214408	Mota, N.F.O. 2951
		N4	6°06'08" S, 50°11'13" W	MG 223179	Harley, R.M. 57491
		N5	6°05'40" S, 50°07'59" W	IAN 173120	L.V. Vasconcelos
	<i>Ipomoea decora</i> Meisn.	Estrada S11D A S11A	6°22'17" S, 50°23'04" W	MG 213191	Lobato, L.C.B. 4406
	<i>Ipomoea goyazensis</i> Gardner	N4	-	MG 227195	L.V. Vasconcelos

	<i>Ipomoea hederifolia</i> L.	N5	6°02'26" S, 50°05'18" W	HCJS 1224	Silva, D. F. & Tyski, 773
	<i>Ipomoea marabaensis</i> D.F.Austin & Secco	N1	6°02'27" S, 50°16'54" W	-	-
		N2	6°03'25" S, 50°15'04" W	-	-
		N5	6°06'35" S, 50°08'11" W	MG 223537	Falcão, B.F. 135
		N6	6°07'48" S, 50°10'36" W	MG 223639	Falcão, B.F. 237
		N7	6°09'25" S, 50°10'19" W	BHCB 162046	Arruda, A. J. 1366
		N8	6°09'26" S, 50°08'56" W	BHCB 162045	Arruda, A. J. 1365
		S11A	6°21'11" S, 50°25'30" W	BHCB 140215	Costa, F. M. 100
		S11B	6°20'42" S, 50°25'10" W	MG 223488	Falcão, B.F. 86
		S11D	6°23'44" S, 50°22'17" W	MG 213954	Carreira, L.M.M. 3337
		Serra da Bocaina	6°18'36" S, 49°53'20" W	MG 223758	Falcão, B.F. 356
		Serra Leste	5°58'32" S, 49°38'07" W	HCJS 5000	-
		Serra do Tarzan	6°20'15" S, 50°10'00" W	BHCB 130853	Giorni, V. T. 144
	<i>Ipomoea maurandioides</i> Meisn	N1	6°02'10" S, 50°17'06" W	MG 224469	Pastore, M. 343

		N5	6°06'05" S, 50°07'42" W	MG 214372	Mota, N.F.O. 2915
		N7	6°09'13" S, 50°10'21" W	BHCB 157742	Arruda, A. J. 858
		S11D	6°23'58" S, 50°22'31" W	MG 214004	Carreira, L.M.M. 3387
		S11A	6°21'09" S, 50°26'54" W	MG 214059	Carreira, L.M.M. 3442
		Serra do Tarzan	6°20'06" S, 50°09'58" W	MG 223299	Vasconcelos, L.V. 845
	<i>Ipomoea procumbens</i> Mart. ex Choisy	S11B	6°21'04" S, 50°26'22" W	MG 222344	Carreira, L.M.M. 3527
	<i>Ipomoea setifera</i> Poir.	Parque	6°03'39" S, 50°03'43" W	-	Rodrigues, T.
<i>Jacquemontia</i>	<i>Jacquemontia tamnifolia</i> (L.) Griseb.	S11C	6°23'06" S, 50°23'03" W	MG 223119	Harley, R.M. 57430
		S11D	6°21'09" S, 50°26'54" W	MG 214054	Carreira, L.M.M. 3437
<i>Merremia</i>	<i>Merremia macrocalyx</i> (Ruiz & Pav.) O'Donell	N2	6°03'23' S, 50°14'46" W	MG 215937	Lobato, L.C.B. 4447
		Parque	6°03'42" S, 50°03'44" W	-	Rodrigues, T.
<i>Operculina</i>	<i>Operculina hamiltonii</i> (G.Don) D.F.Austin & Staples	Estrada para Serra Sul	6°19'15" S, 50°26'58" W	HCJS 2045	Tyski, L. 198

Appendix I - Pollen Key

1. Pollen grains colpate

1.1. 3-colpate

1.1.1. Microreticulate ornamentation

Cuscuta insquamata

1.1.2. granulate ornamentação

1.1.2.1. subprolate

Merremia macrocalyx

Operculina hamiltonii

1.1.2.2. prolate spheroidal

Jacquemontia tamnifolia

1.2. 4(-5)-colpate

1.3. Pantocolpate

1.3.1. microreticulate-microverrucate ornamentation

Aniseia cernua

1.3.2. microechinate ornamentation

Evolvulus filipes

2. Porate pollen

2.1. Echinate, Pantoporate

2.1.1. bulbous echinae

2.1.1.1. apiculate apices (Tipo 1)

I. goyazensis

2.1.1.2. rounded apices (Tipo 2)

2.1.1.2.1. uniform distribution

I. decora

I. marabaensis

2.1.1.2.2. with metareticulum

I. hederifolia

2.1.1.2. bulbous apices (Tipo 3)

I. cavalcantei

2.1.2. Coniform echinae

2.1.2.1. Large pollen grains

I. asplundii

I. maurandioides

I. setifera

2.1.2.2. Very large pollen grains

I. procumbens

