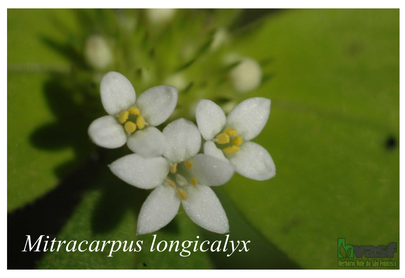

DISPERSION SYNDROMES AND LIFE FORMS OF HERBACEOUS SPECIES AS TOOLS FOR THE EVALUATION OF RESILIENCE IN DRY FOREST AREAS

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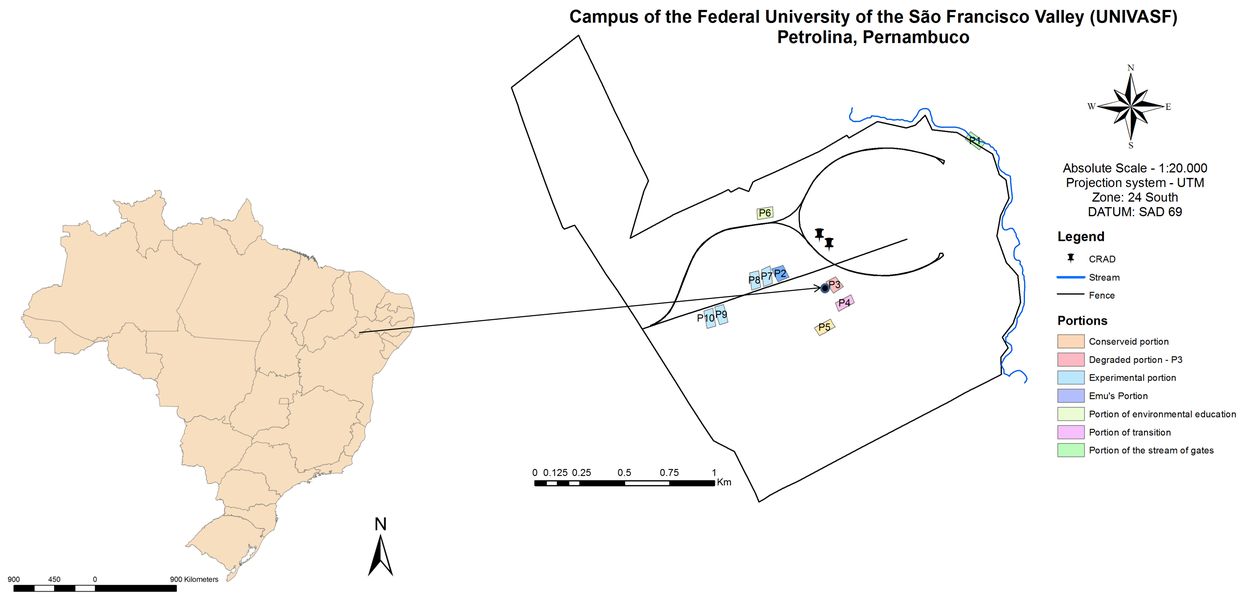
INTRODUTION

The dry areas existing in the semi-arid region of the Brazilian Northeast present a strong biodiversity, which is still scarcely known. The dispersion of fruit and seeds is a form to ensure the conservation of vegetal species, allowing for the recruiting of new plants.

OBJECTIVE

The objective of this paper was to study the dispersion of seeds and the forms of life of the species present in a Caatinga area.

MATERIALS AND METHODS



Data collection:

- Collect of fertile material.
- Herborization and incorporation to the collection of HVASF.
- Species identification and consultation literature.
- Dispersion syndromes and life forms.

Table 1. Dispersion syndromes and life forms of sampled species.

Family/Specie	Anemochorous	Autochorous	Zoochorous	Life forms
AMARANTHACEAE				
Froelichia humboldtiana Roem & Schult.	1	0	0	Therophyte
CACTACEAE				
Tacinga inamoena (K. Schum.) N.P. Taylor & Stuppy	0	0	1	Nanophanerophyte
CAPPARACEAE				
Physostemon guianense (Aubl.) Malme	0	1	0	Therophyte
Physostemon tenuifolium Mart. & Zucc.	0	1	0	Therophyte
CONVOLVULACEAE				
Jacquemontia linarioides Meisn.	0	1	0	Therophyte
Ipomoea subincana (Choisy) Meisn.	0	1	0	Therophyte
CYPERACEAE				
Cyperus uncinulatus Schrad. ex Nees	1	0	0	Therophyte
Eleocharis geniculata R.Br.	1	0	0	Therophyte
Pycreus capillifolius C.B.Clarke	1	0	0	Therophyte
EUPHORBIACEAE				
Bernardia sidoides (Klotzsch) Müll.Arg.	0	1	0	Therophyte
Croton glandulosus L.	0	1	0	Therophyte
Cnidoscolus quercifolius Pohl	0	1	0	Mesophanerophyte
FABACEAE				
Aeschynomene viscidula Michx.	0	1	0	Therophyte
Chamaecrista calycioides (Collad.) Greene	0	1	0	Therophyte
Chamaecrista nictitans Moench	0	1	0	Therophyte
Chamaecrista repens (Vogel) H.S. Irwin & Barneby	0	1	0	Therophyte
Chamaecrista serpens (L.) Greene	0	1	0	Therophyte
Mimosa filipes Mart.	0	1	0	Therophyte
Mimosa tenuiflora (Willd.) Poir.	0	1	0	Microphanerophyte
Poincianella microphylla (Mart. ex G. Don) L.P. Queiroz	0	1	0	Microphanerophyte
GENTIANACEAE				
Schultesia guianensis (Aubl.) Malme	0	1	0	Therophyte
LAMIACEAE				
Eriope tumidicaulis Harley	1	0	0	Therophyte
MALVACEAE				
Herissantia crispa (L.) Brizicky	0	1	0	Camephyte
Sida angustissima A.St.-Hil.	0	1	0	Therophyte
Sida galheirensis Ulbr.	0	1	0	Camephyte
Waltheria operculata Rose	0	1	0	Camephyte
Waltheria americana L.	0	1	0	Camephyte
PHYTOLACCACEAE				
Microtea paniculata Moq.	1	0	0	Therophyte
PLANTAGINACEAE				
Angelonia cornigera Hook.	0	1	0	Therophyte
POACEAE				
Anthephora hermaphrodita (L.) Kuntze	1	0	0	Therophyte
Aristida adscensionis Sw.	1	0	0	Camephyte
Cenchrus echinatus L.	1	0	0	Camephyte
Chloris barbata Sw.	0	0	1	Camephyte
Dactyloctenium aegyptium (L.) Willd.	1	0	0	Therophyte
Digitaria ciliaris (Retz.) Koeler	1	0	0	Therophyte
Eragrostis ciliaris (L.) R. Br.	1	0	0	Therophyte
Eragrostis maypurensis (Kunth) Steud.	1	0	0	Therophyte
Eragrostis rufescens Roem. & Schult.	1	0	0	Therophyte
Leptochloa virgata (L.) P. Beauv.	1	0	0	Therophyte
Melinis repens (Willd.) Zizka	1	0	0	Therophyte
Paspalum scutatum Nees	1	0	0	Therophyte
Tragus berteronianus Schult.	1	0	0	Therophyte
Urochloa mollis (Sw.) Morrone & Zuloaga	1	0	0	Therophyte
PORTULACACEAE				
Portulaca elatior Mart.	1	0	0	Hemicryptophyte
Portulaca halimoides L.	1	0	0	Hemicryptophyte
Portulaca mucronata Link	0	1	0	Hemicryptophyte
RUBIACEAE				
Borreria densiflora DC.	0	1	0	Therophyte
Diodella teres Small	0	1	0	Therophyte
Mitracarpus baturitensis Sucre	0	1	0	Therophyte
Mitracarpus longicalyx E. B. Souza & M. F. Sales	0	1	0	Therophyte
Staelia virgata (Link ex Roem. & Schult.) K.Schum.	0	1	0	Therophyte
SOLANACEAE				
Solanum gardneri Sendtn.	0	0	1	Camephyte
TURNERACEAE				
Piriqueta duarteana (Cambess.) Urb.	0	1	0	Therophyte
Turnera pumilea L.	0	1	0	Therophyte

RESULTS

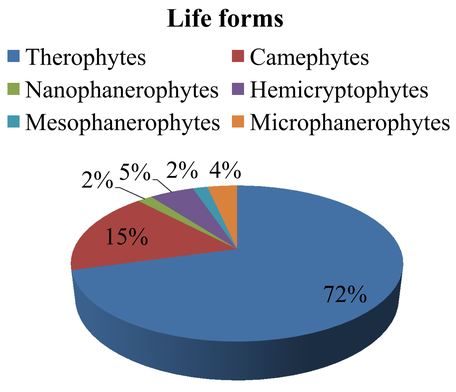


Figure 1. Life forms of the species under study.

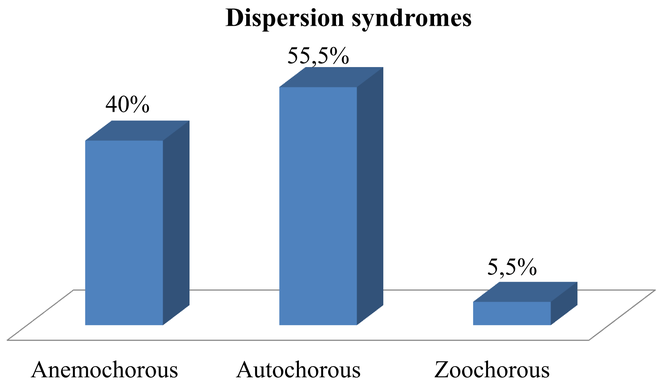


Figure 2. Dispersion syndromes of the species under study.

CONCLUSION

- Low representativity of dispersers in the environment studied, certainly due to the absence of attractive conditions for them;
- The high presence of therophytes suggest that the site, in spite of being free from impacts for 10 years, has hardly advanced successionally.