ONLINE RESOURCE 1

Article title: Who, where and what is the impact and relevance of studies on plant domestication in Neotropical region? a scientometric review from 1965 to 2023

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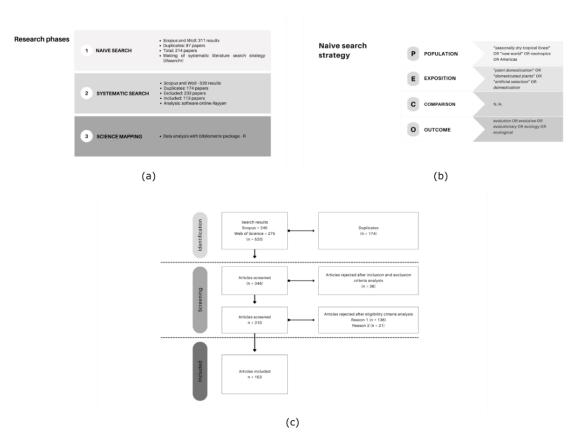


Fig. 1 (a) Stages adopted in the research method. (b) Diagram representing the PECO strategy adopted to formulate the naive search. The terms used in this stage were extracted from relevant keywords found in the scientific literature, selected through an exploratory survey. (c) Flowchart of systematic review stages with the data retrieved from the databases consulted. Reason 1: animal studies; Reason 2: different research questions; Reason 3: different geographical regions; Reason 4: different methodological design; and Reason 5: theoretical background or development of technique or method.

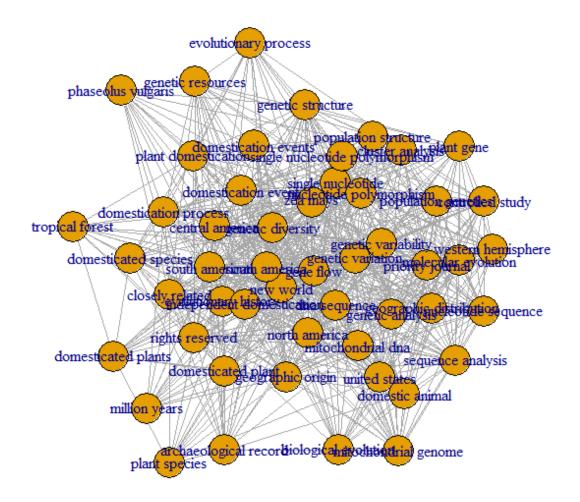


Fig. 2 Co-occurrence network of the most relevant terms found in the set of references analyzed (211 papers) with *litsearchr* package. The terms in the center of network are the most relevant, while the terms on the periphery are less relevant in the data set analyzed

Table 1 Boolean search query strategies adopted to carry out the research stages

Stage	Strings		
Naive Search	(TITLE-ABS-KEY ("seasonally dry tropical forest" OR "new world" OR neotropics OR Americas)) AND (TITLE-ABS-KEY ("plant domestication" OR "domesticated plants" OR "artificial selection" OR domestication)) AND (TITLE-ABS-KEY (evolution OR evolutive OR evolutionary OR ecology OR ecological))		
Systematic Search	(TITLE-ABS-KEY (domesticat* OR "domesticated plant*" OR "plant domestication" OR "artificial selection")) AND (TITLE-ABS-KEY (neotropic* OR "new world"))		

Table 2 Terms adopted as inclusion/exclusion and eligibility criteria in the selection stage

Stage	Metadata	Words analyzed		
Inclusion	Title, abstract and keywords	artificial selection, domesticate, domesticated, domesticated plants, domestication, neotropic, neotropics, neotropical, new world, plant domestication, south américa		
Exclusion	Title, abstract and keywords	animal, animals, alpaca, bird, birds, camelid, camelids, cattle, canine, dog, dogs, duck, equine, europe, fish, horse, llama, middle east, north america, old world, parasites, rabbit, rabbits, rodent, rodents, rat, rats, virus, yeast		
Eligibility	Title, abstract, keywords, introduction and matherial and methods	i) articles about plant domestication ii) articles developed with plant species, ecosystems, or biomes at neotropical regions		

Table 3 Most frequent search terms in the analyzed data set, extracted by the litsearchr package, analyzed and selected for the systematic literature search strategy.

Group	Therms	Sensibility Analysis	Decision after analysis
	"domestication"	Yes	Replaced
	"domesticated"	Yes	Replaced
Phenomenon studied	"plant domestication"	Yes	Included
	"domesticated plants"	Yes	Included
	"artificial selection"	Yes	Included
	"neotropic"	Yes	Replaced
	"neotropics"	Yes	Replaced
	"neotropical"	Yes	Replaced
Geographical region	"new world"	Yes	Included
	"north america"	Yes	Excluded
	"south america"	Yes	Excluded
	"south american"	Yes	Excluded

Table 4 Description of the stages of the systematic survey and selection of literature on plant domestication in the Neotropics

Stage	Description	Excluded	Included
Results	Results obtained from databases Scopus e Web of Science	-	520
Duplicates excluded	Automatic selection of software Rayyan	174	346
Exclusion criteria	Reading of titles, abstracts and keywords		157
	To inclusion: domestication, plant domestication, domesticated plants, domesticated, netropics, neotropic, neotropical,	100	
	starch, phytoliths	189	
	To exclusion: animals, animal, rodent, dogs, rabbits, canine, rodents, duck, fish, rats, equine, horses, rabbit, beetle, rat		
Eligibility	Reading of titles, abstracts and keywords		113
	To inclusion: Works on the domestication of plants in the Neotropics	4.4	
	To exclusion: Work on the domestication of animals or other organisms, or other types of studies, or studies with other	44	
	objectives		
Results		407	113