

Fig. 1 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 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
Phenomenon studied	<i>“domestication”</i>	Yes	Replaced
	<i>“domesticated”</i>	Yes	Replaced
	<i>“plant domestication”</i>	Yes	Included
	<i>“domesticated plants”</i>	Yes	Included
	<i>“artificial selection”</i>	Yes	Included
Geographical region	<i>“neotropic”</i>	Yes	Replaced
	<i>“neotropics”</i>	Yes	Replaced
	<i>“neotropical”</i>	Yes	Replaced
	<i>“new world”</i>	Yes	Included
	<i>“north america”</i>	Yes	Excluded
	<i>“south america”</i>	Yes	Excluded
	<i>“south american”</i>	Yes	Excluded

Table 2 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 <i>Scopus</i> e <i>Web of Science</i>	-	520
Duplicates excluded	Automatic selection of software <i>Rayyan</i>	174	346
Exclusion criteria	Reading of titles, abstracts and keywords		
	To inclusion: <i>domestication, plant domestication, domesticated plants, domesticated, netropics, neotropic, neotropical, starch, phytoliths</i>	189	157
	To exclusion: <i>animals, animal, rodent, dogs, rabbits, canine, rodents, duck, fish, rats, equine, horses, rabbit, beetle, rat</i>		
Eligibility	Reading of titles, abstracts and keywords		
	To inclusion: Works on the domestication of plants in the Neotropics	44	113
	To exclusion: Work on the domestication of animals or other organisms, or other types of studies, or studies with other objectives		
Results		407	113