ONLINE RESOURCE 1

Article title: Ecology and Evolution of Plants under Domestication in Noetropics: Insights from six decades of research

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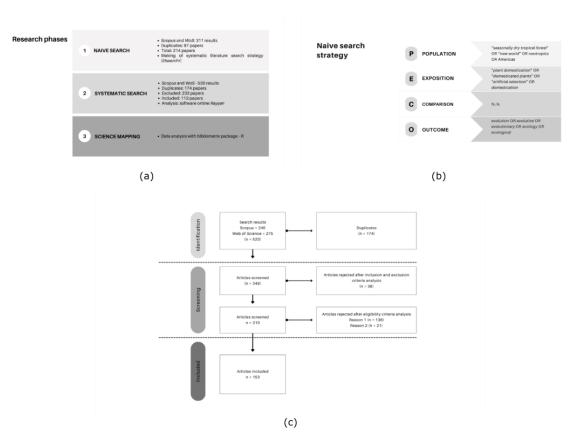


Fig. S1 (a) Stages adopted in the research method. (b) Diagram representing the PECO strategy adopted to formulate the naive search. The terms used in this stage were extracted from relevant keywords found in the scientific literature, selected through an exploratory survey. (c) Flowchart of systematic 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.

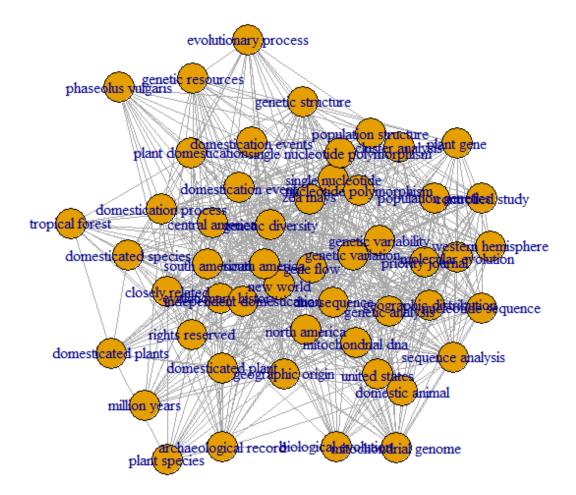


Fig. S2 Co-occurrence network of the most relevant terms found in the set of references analyzed (211 papers) with *litsearchr* package. The terms in the center of network are the most relevant, while the terms on the periphery are less relevant in the data set analyzed

Table S1 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 ("pladomestication" OR "domesticated plants" OR "artificial selection" OR domestication)) AND (TITLE-ABS-KEY (evolution OR evolutive (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 S2 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 S3 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
Geographical region	"neotropics"	Yes	Replaced
	"neotropical"	Yes	Replaced
	"new world"	Yes	Included
	"north america"	Yes	Excluded
	"south america"	Yes	Excluded
	"south american"	Yes	Excluded

Table S4 Description of the stages of the systematic survey and selection of literature on plant domestication in the Neotropics

Description	Excluded	Included
Results obtained from databases Scopus e Web of Science		520
Automatic selection of software Rayyan	174	346
Reading of titles, abstracts and keywords		157
To inclusion: domestication, plant domestication, domesticated plants, domesticated, netropics, neotropic, neotropical,	190	
starch, phytoliths	189	
To exclusion: animals, animal, rodent, dogs, rabbits, canine, rodents, duck, fish, rats, equine, horses, rabbit, beetle, rat		
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		
	407	113
	Results obtained from databases <i>Scopus</i> e <i>Web of Science</i> Automatic selection of software <i>Rayyan</i> Reading of titles, abstracts and keywords To inclusion: <i>domestication</i> , <i>plant domestication</i> , <i>domesticated plants</i> , <i>domesticated</i> , <i>netropics</i> , <i>neotropic</i> , <i>neotropical</i> , <i>starch</i> , <i>phytoliths</i> To exclusion: <i>animals</i> , <i>animal</i> , <i>rodent</i> , <i>dogs</i> , <i>rabbits</i> , <i>canine</i> , <i>rodents</i> , <i>duck</i> , <i>fish</i> , <i>rats</i> , <i>equine</i> , <i>horses</i> , <i>rabbit</i> , <i>beetle</i> , <i>rat</i> Reading of titles, abstracts and keywords To inclusion: Works on the domestication of plants in the Neotropics To exclusion: Work on the domestication of animals or other organisms, or other types of studies, or studies with other	Results obtained from databases Scopus e Web of Science Automatic selection of software Rayyan Reading of titles, abstracts and keywords To inclusion: domestication, plant domestication, domesticated plants, domesticated, netropics, neotropic, neotropical, starch, phytoliths To exclusion: animals, animal, rodent, dogs, rabbits, canine, rodents, duck, fish, rats, equine, horses, rabbit, beetle, rat Reading of titles, abstracts and keywords To inclusion: Works on the domestication of plants in the Neotropics To exclusion: Work on the domestication of animals or other organisms, or other types of studies, or studies with other objectives