

Table S1. Protocol established for conducting the systematic review, according to the PRISMA guidelines [42].

Protocol	
Title	
Plant serpins, potential inhibitors of serine and cysteine proteases with multiple functions	
Objectives	
<ul style="list-style-type: none"> - To broaden the knowledge about the serpin superfamily in plants, their identities and localization profiles; - To know which proteases are potentially inhibited by these inhibitors and if the serpins have other functions besides inhibitory potential. 	
Keywords: Database/ Search Strings	
PubMed: (serpin*) AND plant*[Title/Abstract]	
Scopus: TITLE-ABS-KEY (serpin* AND plant*)	
Web of Science: TS=(serpin* AND plant*)	
Questions	
<ol style="list-style-type: none"> 1. In which countries has research with plant serpins been conducted? 2. Among the serpins identified, which ones were characterized or presented more comprehensive studies, and in which species? 3. In which plant parts have the serpins been identified? 4. Are plant serpins serine or cysteine protease inhibitors? And against which proteases do serpins have inhibitory potential? 5. Do serpins have other functions besides the inhibitory ones? 6. Can serpins be related to defense events and plant stresses? 7. Have the biological routes and functions of serpins been well established? 	
Study selection criteria	
Inclusion	Exclusion
<ul style="list-style-type: none"> - Research articles with experimental results only with plant serpins - Articles published in English 	<ul style="list-style-type: none"> - Works such as dissertations and theses, books or book chapters, other reviews, protocols or reports, conference annals and short communications. - Non-English language article. - Inconclusive results or lack of validation demonstrated by figures, graphs, tables etc. - Articles that did not answer any of the questions in this review. - Non-serpin inhibitors in plants.