

Supplementary Table 2 – Detailed search strategy with search filters and number of studies recovered in electronic databases

PubMed-MEDLINE – Search filters	Records
#1 Metalloprotease inhibitor: (“metalloprotease inhibitor”[Title/Abstract]) OR (“metalloproteinase inhibitor”[Title/Abstract]) OR (“carboxypeptidase inhibitor”[Title/Abstract])	2,488
#2 Solanaceae: (Solanaceae[MeSH Terms]) OR (potato[Title/Abstract]) OR (tomato[Title/Abstract]) OR (Solanum*[Title/Abstract]) OR (Capsicum*[Title/Abstract]) OR (Nicotiana*[Title/Abstract]) OR (Datura*[Title/Abstract]) OR (Hyoscyamus*[Title/Abstract]) OR (tobacco[Title/Abstract]) OR (pepper[Title/Abstract])	210,654
#3 Pathogen: (pathogen*[Title/Abstract]) OR (phytopathogen*[Title/Abstract]) OR ("plant pathogen"*[Title/Abstract])	1,112,620
#4 Combined search: #1 AND #2 AND #3	9
SCOPUS – Search filters	Records
#1 Metalloprotease inhibitor: TITLE-ABS-KEY ("metalloprotease inhibitor" OR "metalloproteinase inhibitor" OR "carboxypeptidase inhibitor")	134,089
#2 Solanaceae: TITLE-ABS-KEY (Solanaceae OR potato OR tomato OR Solanum* OR Capsicum* OR Nicotiana* OR Datura* OR Hyoscyamus* OR tobacco OR pepper)	450,354
#3 Pathogen: TITLE-ABS-KEY (pathogen* OR phytopathogen* OR "plant pathogen")	1,640,381
#4 Combined search: #1 AND #2 AND #3	45
Web of Science – Search filters	Records
#1 Metalloprotease inhibitor: ((TS=((("metalloprotease inhibitor")) OR TS=("metalloproteinase inhibitor")) OR TS=("carboxypeptidase inhibitor"))	4,498
#2 Solanaceae: (((((((((TS=(Solanaceae)) OR TS=(potato)) OR TS=(tomato)) OR TS=("Solanum*")) OR TS=("Capsicum*")) OR TS=("Nicotiana*")) OR TS=("Datura*")) OR TS=("Hyoscyamus*")) OR TS=(tobacco)) OR TS=(pepper))	406,500
#3 Pathogen: (((TS=("pathogen*")) OR TS=("phytopathogen*")) OR TS=("plant pathogen*"))	1,180,123
#4 Combined search: #1 AND #2 AND #3	12
EMBASE – Search filters	Records
#1 Metalloprotease inhibitor: 'metalloprotease inhibitor':ti,ab,kw OR 'metalloproteinase inhibitor':ti,ab,kw OR 'carboxypeptidase inhibitor':ti,ab,kw	3,007

#2 <i>Solanaceae</i>: <i>Solanaceae</i> :ti,ab,kw OR potato:ti,ab,kw OR tomato:ti,ab,kw OR ' <i>Solanum</i> *':ti,ab,kw OR ' <i>Capsicum</i> *':ti,ab,kw OR ' <i>Nicotiana</i> *':ti,ab,kw OR ' <i>Datura</i> *':ti,ab,kw OR ' <i>Hyoscyamus</i> *':ti,ab,kw OR tobacco:ti,ab,kw OR pepper:ti,ab,kw OR <i>Solanaceae</i> /de	242,752
#3 Pathogen: 'pathogen*':ti,ab,kw OR 'phytopathogen*':ti,ab,kw OR 'plant pathogen':ti,ab,kw OR 'phytopathogen'/de	1,389,574
#4 Combined search: #1 AND #2 AND #3	8
Database searches were finalized on July 01st, 2023 at 19:37 pm.	