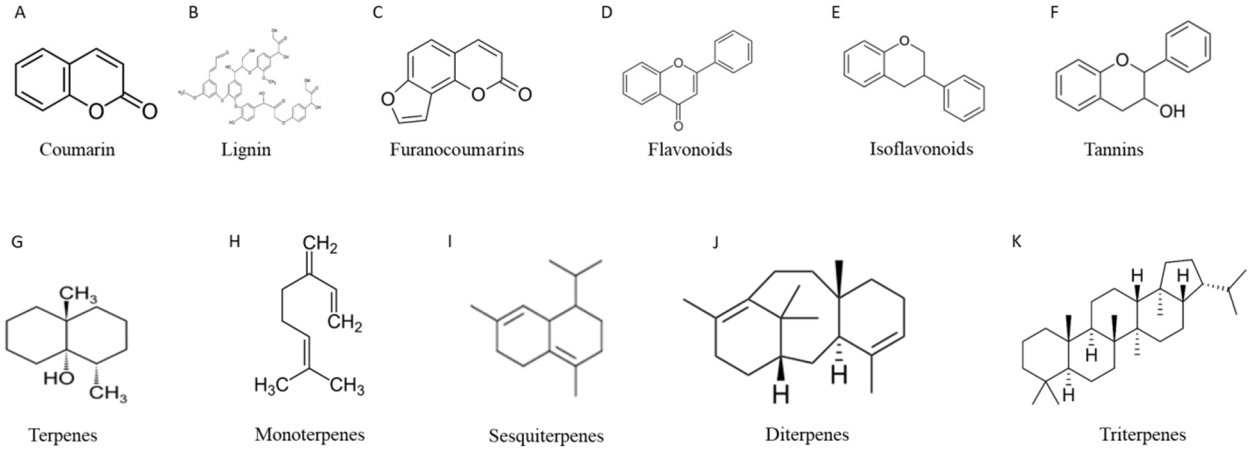

Figure S1. Common structures for each classification of phenolic compounds and terpene.

Table S1. Different types of elicitors used to enhance plant secondary metabolites production.

	Metabolites	Plant source	Microbe/Elicitor	References
1	Tanshinone	*Salvia miltiorrhiza*	*Trichoderma atroviride*	[1]
2	Thiarubrine A	*Ambrosia artemisiifolia*	*Protomyces gravidus*	[2]
3	Azadirachtin	*Azadirachta indica*	*Claviceps purpurea*	[3]
4	Glycyrrhizic acid	*Taverniera cuneifolia*	*Mucor hiemalis*	[4]
5	Phenylpropanoid and naphtodianthrone	*Hypericum perforatum*	*Fusarium oxysporum*	[5]
6	Phenylpropanoid and naphtodianthrone	*Hypericum perforatum*	*Phoma exigua*	[5]
7	Phenylpropanoid and naphtodianthrone	*Hypericum perforatum*	*Botrytis cinerea*	[5]
8	Gymnemic acid	*Gymnema sylvestre*	*Saccharomyces cerevisiae*	[6]
9	Gymnemic acid	*Gymnema sylvestre*	*Aspergillus niger*	[6]
10	Atropine	*Datura metel*	*Staphylococcus aureus*	[7]
11	Glycyrrhizic acid	*Taverniera cuneifolia*	*Rhizobium leguminosarum*	[4]
12				
13	Triterpenes: actinidic acid	Actinidiaceae *Actinidia deliciosa*	Fungus: *Colletotrichum musae*	[8]
14	Furanocoumarins: angelicin; bergapten; columbianetin; isopimpinellin; psoralen; 4,5_,8-trimethylpsoralen	Apiaceae *Apium graveolens*	Fungus: *Fusarium oxysporum* f. sp. *apii*	[9]
15	Isocoumarins: 6-methoxymellein	*Daucus carota*	Fungus: *Chaetonium globosum*	[10]
16	Furanocoumarins: bergapten; demethylsuberosin; psoralen; xanthotoxin	*Glehnia littoralis*	Bacterium: *Pseudomonas cichorii*	[11]
17	Polyacetylenes: safinol; dehydrosafinol; Coumarins: ayapin	Asteraceae *Carthamus tinctorius*	Fungi: *Phytophthora* sp.; *Alternaria carthami*	[12]

18	Sesquiterpenes: cichoralexin	*Cichorium intybus*	Bacterium: *Pseudomonas cichorii*	[13]
19	Sesquiterpenes: lettucenin A; costunolid	*Lactuca sativa*	Fungi: *Botrytis cinerea*; *Bremia lactucae*	[14]
20	Coumarins: ayapin; scopoletin	*Helianthus annuus*	Abiotic elicitor: CuCl2	[15]
21	Sesquiterpenes: isohypoglabric acid methyl ester; hypochoeroside K Alkenals: 6-hydroxyhexadi-enal; mucondi aldehyde	*Hypochoeris radicata*	Abiotic elicitor: CuCl2	[16]
22	Carvacrol		fungi	[17]
23	Thymol			
24	Rishitin,			
25	Lubimin			
26	Solavetivone			
27	Niveusin-ß			
28	Costunolide			
29	Cichoralexin			
30	Lactucin			
31	Momilactone A			
32	Momilactone B,			
33	Sanguinarine			
34	Brassinin			
35	Ciclobrassinin			
36	Brassilexin			
37	Wasalexin A			
38	Arvelexin			
39	Caulexin A			
40	Caulexin B			
41	Caulexin C			
42	Camalexins			
43	Wyerone acid			

Table S2. Hormonal elicitors used to produce specific plant secondary metabolites in plants.

	Metabolites	**Plant source**	**Hormone**	**References**
1	Bacoside A	*Bacopa monnieri*	Jasmonic acid	[18]
2	Momilactone A	rice		[19]
3	Hypericin	*Hypericum perforatum* L.		[20]
4	Plumbagin	*Plumbago rosea*		[21]
5	Rosmarinic acid	*Mentha × piperita*		[22]
6	Ginsenoside	*Panax ginseng*		[23]
7	Plumbagin	*Plumbago indica*		[24]
8	Tanshinone	*Salvia miltiorrhiza*	Methyl jasmonate	[25]
9	Rosmarinic acid	*Mentha × piperita*		[22]
10	Isobavachalcone	*Crotolaria cobalticola*		[26]
11	Cryptotanshinone and	*Perovskia abrotanoides*		[27]

	tanshinone IIA			
12	Genisteine	*G. max*		
13	Lettucenin A	*Lactuca sativa*		
14	Raucaffricine	*Rauvolfia canescens*		[26]
15	Rubiadin	*Rubia tinctorum*		
16	Rutacridone	*Ruta chalepensis*		
17	Stilbene	*Vitis vinifera*		[28]
18	Bacoside	*Bacopa monnieri*		[29]
19	Diterpenoid	*Salvia officinalis*		[30]
20	Silymarin	*Silybum marianum*		[31]
21	Tanshinone	*Salvia castanea*		[32]
22	Gymnemic acid	*Gymnema sylvestre*		[33]
23	Withanolide A, withanone, and withaferin A	*Withania somnifera*		[34]
24	Andrographolide	*Andrographis paniculata*		[35]
25	Trans-Resveratrol	*Vitis vinifera*		[36]
26	Glycyrrhizic acid	*Taverniera cuneifolia*		[4]
27	Tanshinones	*Salvia miltiorrhiza*		[37]
28	Phenolics and flavonoids	*Artemisia. absinthium*		[38]
29	Caftaric acid	*Echinacea purpurea* L.		[39]
30	Cichoric acid			
31	Ajmalicine,	*Catharanthus roseus*	Gibberelic acid	[40]
32	Catharanthine,			
33	Tabersonine,			
34	Serpentine and			
35	Vindoline			
36	Caffeic acid derivatives	*Echinacea pupurea*		[41]
37	Hypericin and pseudo hypericin	*Hypericum perforatum*		[42]
38	Dopamine	*Portulaca oleracea*		[43]
39	Tanshinone	*Salvia miltiorrhiza*		[25]
40	Dicentrine	*Stephania venosa*		[44]
41	Stilbene	*Vitis vinifera*		[28]
42	Digitoxin	*Digitalis purpurea*		[45]
43	Hypericin and pseudohypericin	*Hypericum hirsutum*	Salicylic acid	[46]
44	Gymnemic acid	*Gymnema sylvestre*		[33]
45	Withanolide A, withanone, and withaferin A	*Withania somnifera*		[34]
46	Hyoscyamine and scopolamine	*Datura metel*		[47]
47	Glycyrrhizic acid	*Glycyrrhiza uralensis*		[48]
48	Carnosol	*Salvia officinalis*		[49]
49	Ascorbic acid, flavonoids, total phenolic compounds and lignin content	*Ziziphus jujuba*	Silicates	[50]
50	Protein and phenolic content	*Curcuma longa* L.		[51]

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