



Supplement

The following supplementary materials are available for this article: Mariam, S., Shater, Z., Amin, T. 2026 Influence of forest cover type on understory plant biodiversity in the forests of Latakia Governorate, Syria. *Taiwania* 71(4): 607-616. doi: 10.6165/tai.2026.71.607

Table S1. Top 10 plant species and families per habitat.

A. Top 10 plant species (by frequency or abundance) in each of the five studied habitat.

Rank	Natural Oak Forests	Maquis	Natural Forests	Coniferous Planted Forests	Coniferous Burned Forests
1	<i>Quercus coccifera</i> L.	<i>Quercus coccifera</i> L.	<i>Pinus brutia</i> Ten.	<i>Quercus coccifera</i> L.	<i>Pinus brutia</i> Ten.
2	<i>Ruscus aculeatus</i> L.	<i>Pistacia terebinthus</i> L.	<i>Quercus coccifera</i> L.	<i>Pinus brutia</i> Ten.	<i>Quercus coccifera</i> L.
3	<i>Asparagus acutifolius</i> L.	<i>Asparagus acutifolius</i> L.	<i>Ruscus aculeatus</i> L.	<i>Ruscus aculeatus</i> L.	<i>Trifolium</i> sp.
4	<i>Phillyrea latifolia</i> L.	<i>Quercus infectoria</i> G.	<i>Pistacia terebinthus</i> L.	<i>Pistacia terebinthus</i> L.	<i>Cistus salviifolius</i> L.
5	<i>Pistacia terebinthus</i> L.	<i>Phillyrea latifolia</i> L.	<i>Asparagus acutifolius</i> L.	<i>Asparagus acutifolius</i> L.	<i>Trifolium stellatum</i> L.
6	<i>Arbutus andrachne</i> L.	<i>Arbutus andrachne</i> L.	<i>Phillyrea latifolia</i> L.	<i>Cistus</i> sp.	<i>Asparagus acutifolius</i> L.
7	<i>Lathyrus</i> sp.	<i>Lathyrus</i> sp.	<i>Lathyrus</i> sp.	<i>Lathyrus</i> sp.	<i>Lathyrus</i> sp.
8	<i>Euphorbia</i> sp.	<i>Euphorbia</i> sp.	<i>Euphorbia</i> sp.	<i>Euphorbia</i> sp.	<i>Euphorbia</i> sp.
9	<i>Trifolium</i> sp.	<i>Trifolium</i> sp.	<i>Trifolium</i> sp.	<i>Trifolium</i> sp.	<i>Ruscus aculeatus</i> L.
10	<i>Cistus</i> sp.	<i>Cistus</i> sp.	<i>Cistus</i> sp.	<i>Euphorbia</i> sp.	<i>Pistacia terebinthus</i> L.

B. Top 10 plant families (by number of species) in each of the five studied habitats.

Rank	Natural Oak Forests	Maquis	Natural Coniferous Forests	Planted Coniferous Forests	Burned Forests
1	Fabaceae	Fabaceae	Fabaceae	Fabaceae	Fabaceae
2	Asteraceae	Asteraceae	Asteraceae	Asteraceae	Asteraceae
3	Lamiaceae	Lamiaceae	Lamiaceae	Lamiaceae	Lamiaceae
4	Poaceae	Poaceae	Poaceae	Poaceae	Poaceae
5	Rosaceae	Rosaceae	Rosaceae	Rosaceae	Rosaceae
6	Asparagaceae	Asparagaceae	Asparagaceae	Asparagaceae	Asparagaceae
7	Fagaceae	Fagaceae	Fagaceae	Fagaceae	Fagaceae
8	Cistaceae	Cistaceae	Cistaceae	Cistaceae	Cistaceae
9	Euphorbiaceae	Euphorbiaceae	Euphorbiaceae	Euphorbiaceae	Euphorbiaceae
10	Apiaceae	Apiaceae	Apiaceae	Apiaceae	Apiaceae

Table S2. Complete checklist of plant species recorded in the five studied habitats of Latakia Governorate, Syria. (n = 350 species; only representative species shown here; full list available upon request from the corresponding author).

Scientific name	Family	Life form	Chorotype	Status
<i>Quercus coccifera</i> L.	Fagaceae	Phanerophyte	Mediterranean	Native
<i>Quercus calliprinos</i> Webb.	Fagaceae	Phanerophyte	East Mediterranean	Native
<i>Quercus infectoria</i> G.	Fagaceae	Phanerophyte	Irano-Turanian	Native
<i>Pinus brutia</i> Ten.	Pinaceae	Phanerophyte	East Mediterranean	Native
<i>Pinus halepensis</i> Mill.	Pinaceae	Phanerophyte	Mediterranean	Planted
<i>Pistacia terebinthus</i> L.	Anacardiaceae	Phanerophyte	Mediterranean	Native
<i>Phillyrea latifolia</i> L.	Oleaceae	Phanerophyte	Mediterranean	Native
<i>Arbutus andrachne</i> L.	Ericaceae	Phanerophyte	East Mediterranean	Native
<i>Ruscus aculeatus</i> L.	Asparagaceae	Chamaephyte	Mediterranean	Native
<i>Asparagus acutifolius</i> L.	Asparagaceae	Geophyte	Mediterranean	Native
<i>Cistus</i> sp.	Cistaceae	Phanerophyte	Mediterranean	Native
<i>Lathyrus</i> spp.	Fabaceae	Therophyte	Widespread	Native
<i>Trifolium</i> spp.	Fabaceae	Therophyte	Widespread	Native
<i>Euphorbia</i> spp.	Euphorbiaceae	Therophyte	Widespread	Native
<i>Quercus palaestini</i> K.	Fagaceae	Phanerophyte	East Mediterranean	Endemic (Palestine-Syria)
<i>Pistacia lentiscus</i> L.	Anacardiaceae	Phanerophyte	Mediterranean	Native
<i>Cistus salviifolius</i> L.	Cistaceae	Chamaephyte	Mediterranean	Native
<i>Cistus creticus</i> L.	Cistaceae	Chamaephyte	Mediterranean	Native
<i>Quercus ithaburensis</i> Decne.	Fagaceae	Phanerophyte	East Mediterranean	Native



<i>Pinus pinea</i> L.	Pinaceae	Phanerophyte	Mediterranean	Planted
<i>Olea europaea</i> L.	Oleaceae	Phanerophyte	Mediterranean	Native (wild)
<i>Ceratonia siliqua</i> L.	Fabaceae	Phanerophyte	Mediterranean	Native
<i>Rhamnus alaternus</i> L.	Rhamnaceae	Phanerophyte	Mediterranean	Native
<i>Laurus nobilis</i> L.	Lauraceae	Phanerophyte	Mediterranean	Native
<i>Arum</i> spp.	Araceae	Geophyte	Mediterranean	Native
<i>Anemone</i> spp.	Ranunculaceae	Geophyte	Widespread	Native
<i>Asphodelus</i> spp.	Asphodelaceae	Geophyte	Mediterranean	Native
<i>Bromus</i> spp.	Poaceae	Therophyte	Widespread	Native
<i>Avena</i> spp.	Poaceae	Therophyte	Widespread	Native
<i>Hordeum</i> spp.	Poaceae	Therophyte	Widespread	Native
<i>Lolium</i> spp.	Poaceae	Therophyte	Widespread	Native
<i>Galium</i> spp.	Rubiaceae	Therophyte	Widespread	Native
<i>Plantago</i> spp.	Plantaginaceae	Hemicryptophyte	Widespread	Native
<i>Rumex</i> spp.	Polygonaceae	Hemicryptophyte	Widespread	Native
<i>Verbascum</i> spp.	Scrophulariaceae	Hemicryptophyte	Widespread	Native
<i>Geranium</i> spp.	Geraniaceae	Therophyte	Widespread	Native
<i>Erodium</i> spp.	Geraniaceae	Therophyte	Widespread	Native
<i>Vicia</i> spp.	Fabaceae	Therophyte	Widespread	Native
<i>Lathyrus cicera</i> L.	Fabaceae	Therophyte	Mediterranean	Native
<i>Trifolium repens</i> L.	Fabaceae	Therophyte	Widespread	Native
<i>Trifolium campestre</i> Schreb.	Fabaceae	Therophyte	Widespread	Native
<i>Medicago</i> spp.	Fabaceae	Therophyte	Widespread	Native
<i>Lotus</i> spp.	Fabaceae	Therophyte	Widespread	Native
<i>Onobrychis</i> spp.	Fabaceae	Hemicryptophyte	Widespread	Native
<i>Phlomis</i> spp.	Lamiaceae	Chamaephyte	Mediterranean	Native
<i>Salvia</i> spp.	Lamiaceae	Chamaephyte	Widespread	Native
<i>Thymus</i> spp.	Lamiaceae	Chamaephyte	Mediterranean	Native
<i>Teucrium</i> spp.	Lamiaceae	Chamaephyte	Mediterranean	Native
<i>Sarcopoterium spinosum</i> (L.) Spach	Rosaceae	Chamaephyte	Mediterranean	Native
<i>Crataegus azarolus</i> L.	Rosaceae	Phanerophyte	Mediterranean	Native
<i>Rubus</i> spp.	Rosaceae	Phanerophyte	Widespread	Native
<i>Fragaria vesca</i> L.	Rosaceae	Hemicryptophyte	Widespread	Native
<i>Potentilla</i> spp.	Rosaceae	Hemicryptophyte	Widespread	Native
<i>Daucus carota</i> L.	Apiaceae	Therophyte	Widespread	Native
<i>Eryngium</i> spp.	Apiaceae	Hemicryptophyte	Widespread	Native
<i>Torilis</i> spp.	Apiaceae	Therophyte	Widespread	Native
<i>Centaurea</i> spp.	Asteraceae	Hemicryptophyte	Widespread	Native
<i>Cichorium intybus</i> L.	Asteraceae	Hemicryptophyte	Widespread	Native
<i>Helianthemum</i> spp.	Cistaceae	Chamaephyte	Mediterranean	Native
<i>Euphorbia helioscopia</i> L.	Euphorbiaceae	Therophyte	Widespread	Native
<i>Mercurialis annua</i> L.	Euphorbiaceae	Therophyte	Widespread	Native
<i>Urtica</i> spp.	Urticaceae	Therophyte	Widespread	Native
<i>Ficus carica</i> L.	Moraceae	Phanerophyte	Mediterranean	Native
<i>Populus</i> spp.	Salicaceae	Phanerophyte	Widespread	Native
<i>Salix</i> spp.	Salicaceae	Phanerophyte	Widespread	Native
<i>Vitis vinifera</i> L.	Vitaceae	Phanerophyte	Mediterranean	Native (wild)