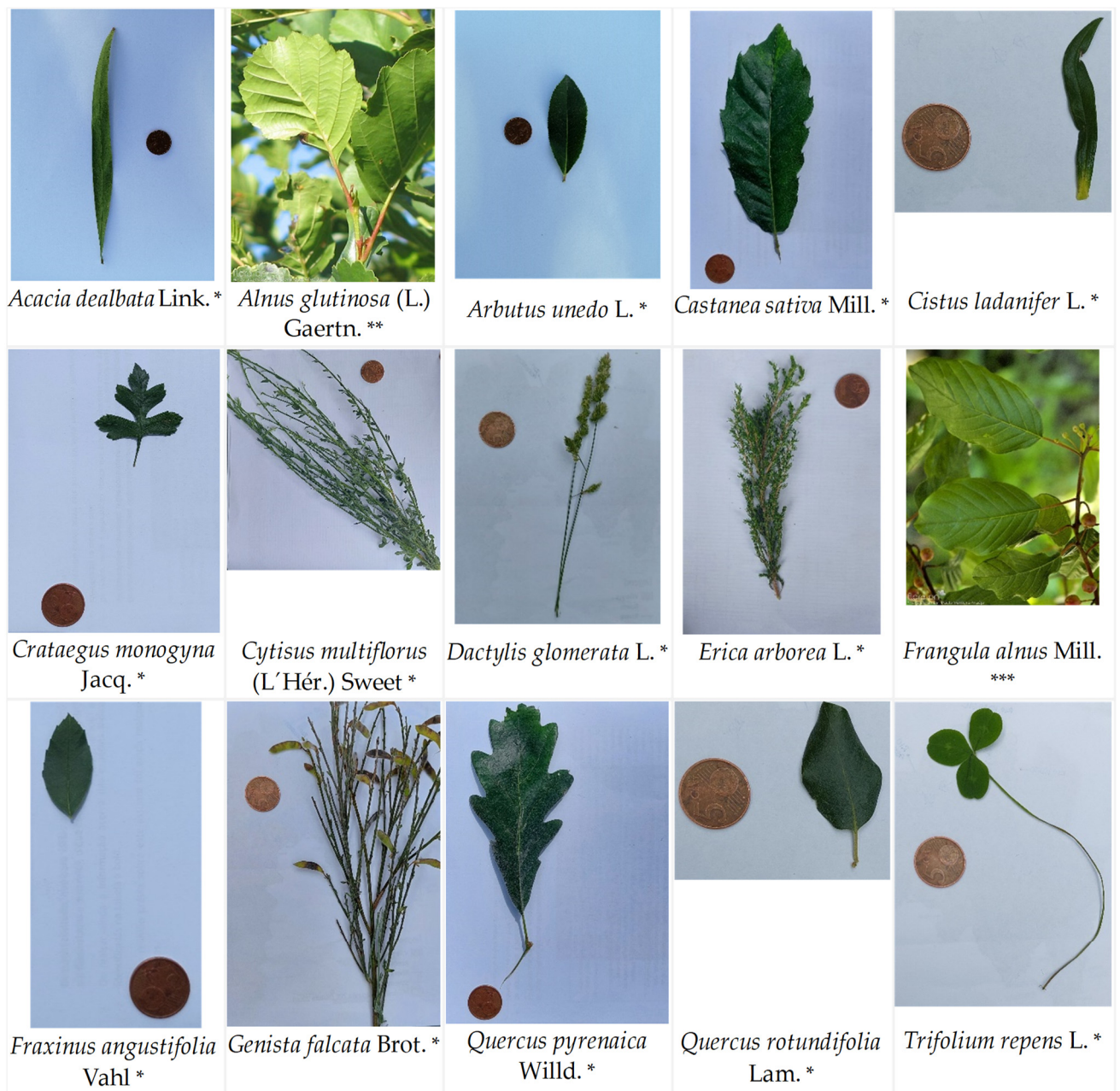


Spectral library of plant species from Montesinho Natural Park in Portugal

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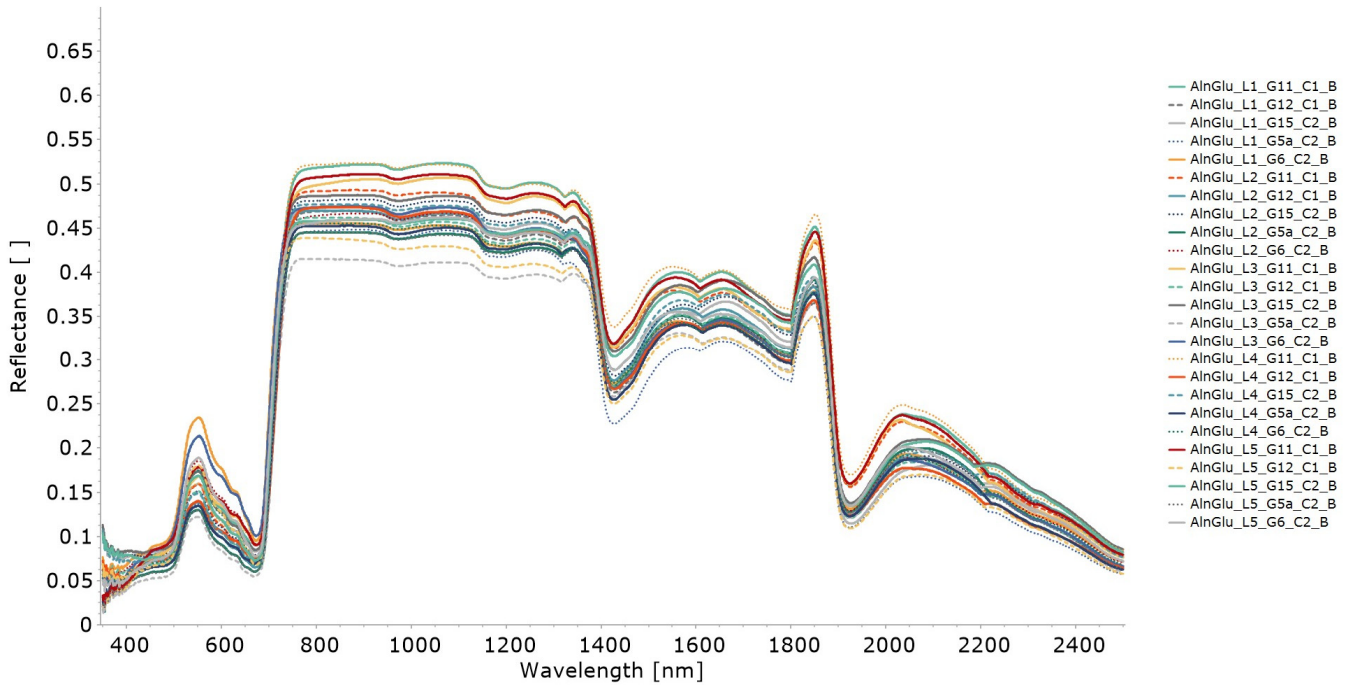
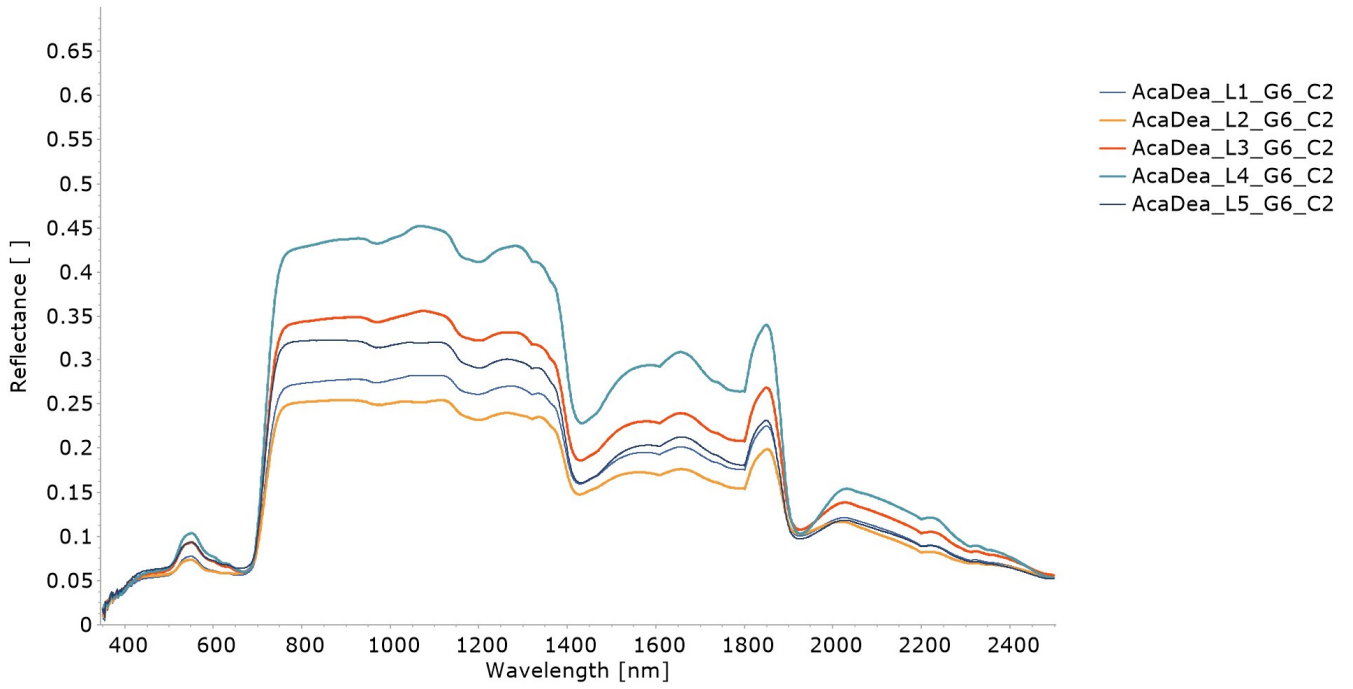
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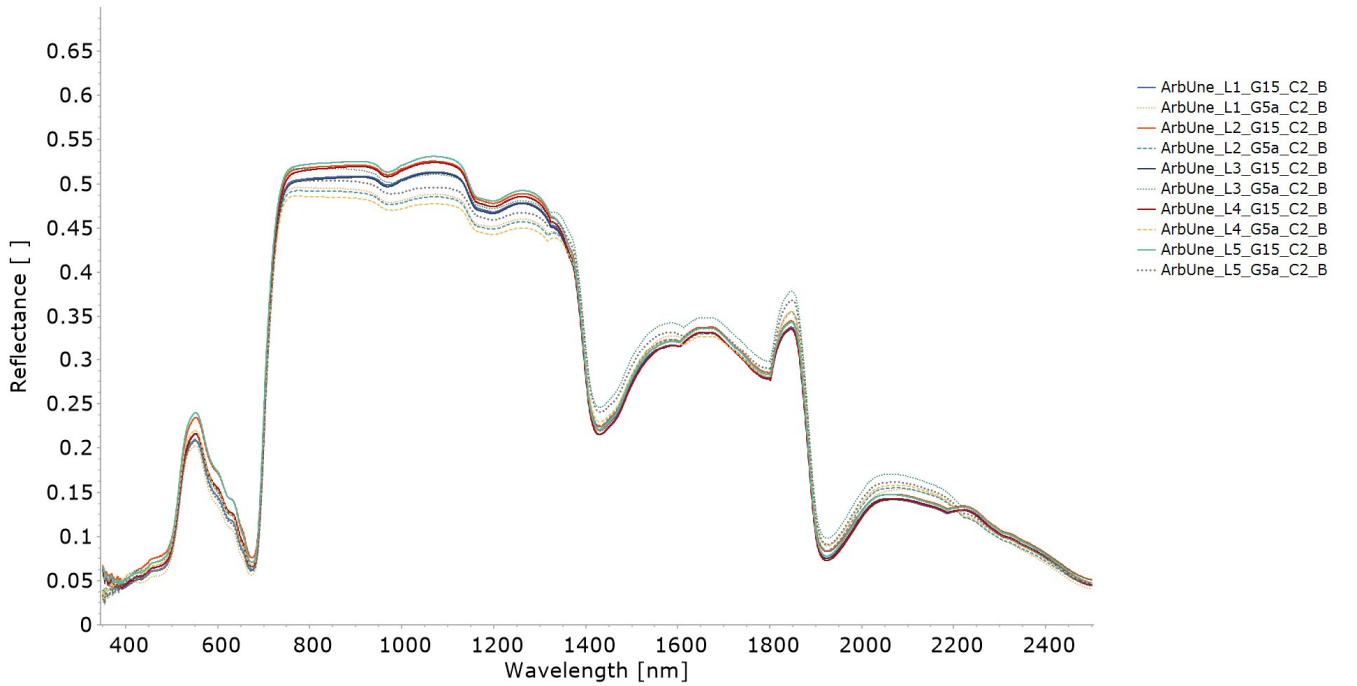
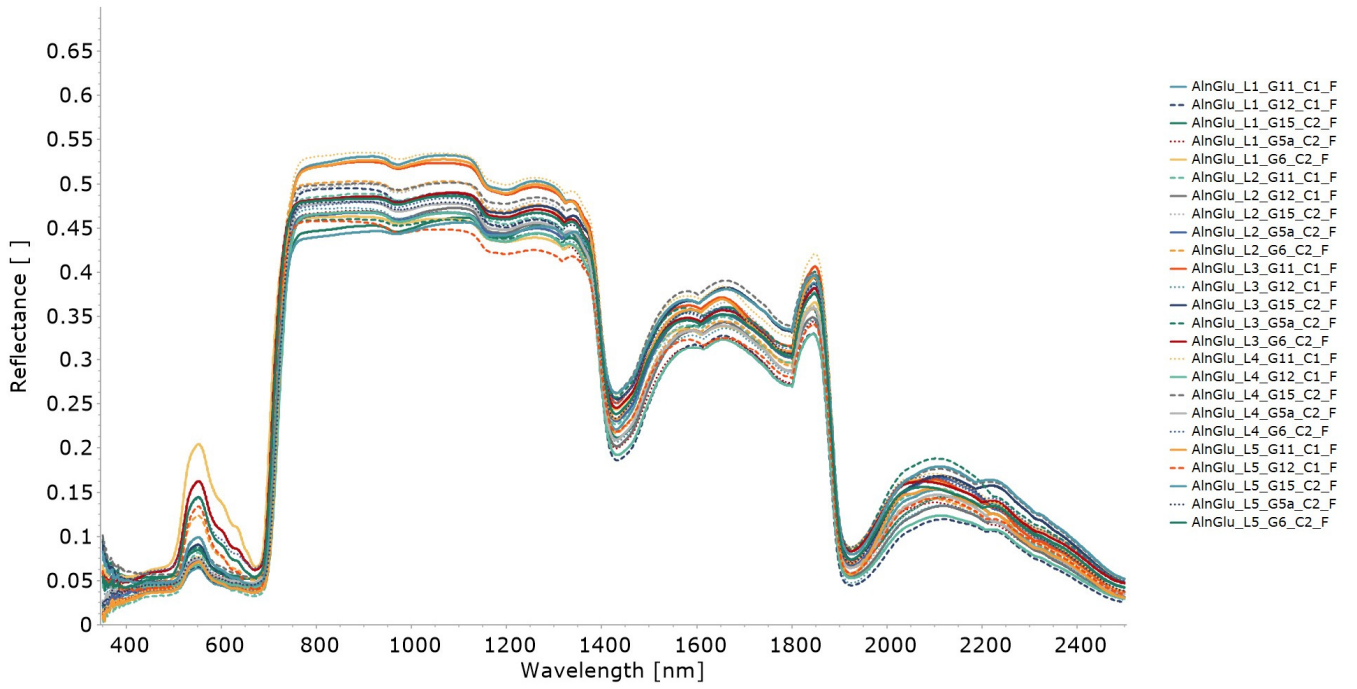
Supplementary Materials: The following supporting information can be downloaded: Figure S1: Photographic record of a leaf from each vascular plant species selected for spectral data collection. Figure S2: Individual spectral curves, covering the range 350 – 2500 nm, collected per leaf and leaf side in each species. Both sides of the leaves (ventral/front (F) side and dorsal/back (B) side) were considered for *Alnus glutinosa* (L.) Gaertn (AlnGlu), *Arbutus unedo* L. (ArbUne), *Castanea sativa* Mill. (CatSat), *Cistus ladanifer* L. (CistLad), *Crataegus monogyna* Jacq. (CratMon), *Frangula alnus* Mill. (FranAln), *Fraxinus angustifolia* Vahl (FraxAng), *Quercus pyrenaica* Willd. (QuerPyr), *Quercus rotundifolia* Lam. (QuerRot), and *Trifolium repens* L. (TrifRep), while a single side of the leaves was considered for *Acacia dealbata* Link. (AcaDea), *Cytisus multiflorus* (L'Hér.) Sweet (CytMult), *Dactylis glomerata* L. (DactGlo), *Erica arborea* L. (EriArb), and *Genista falcata* Brot. (GenFal). Table S1 - Coordinates (WGS 84) of the centre of the square grids sampled at Montesinho National Park.

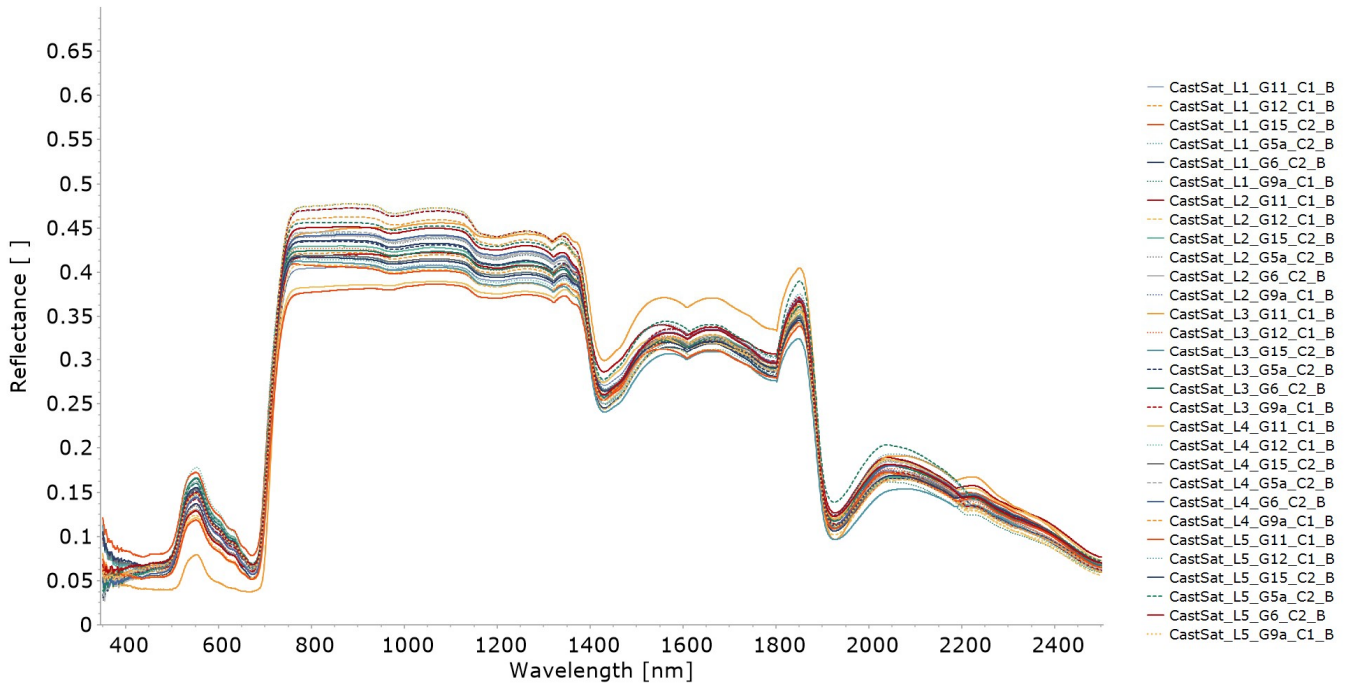
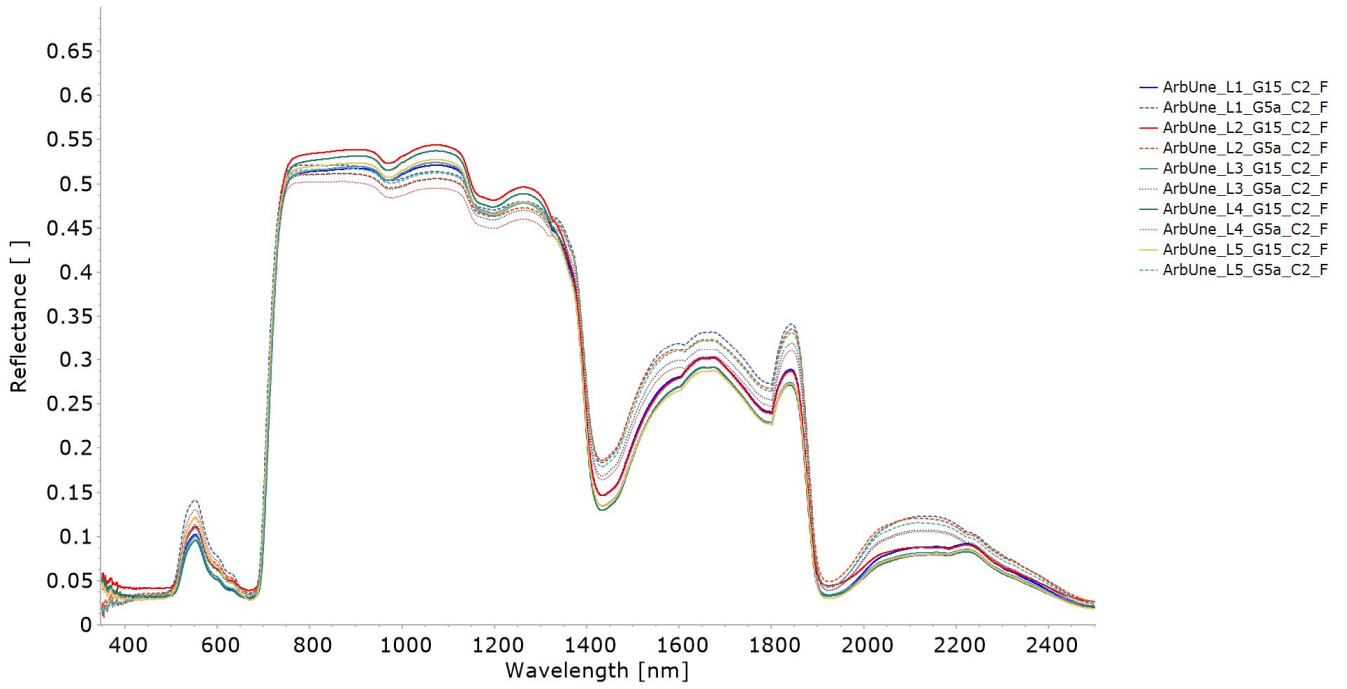


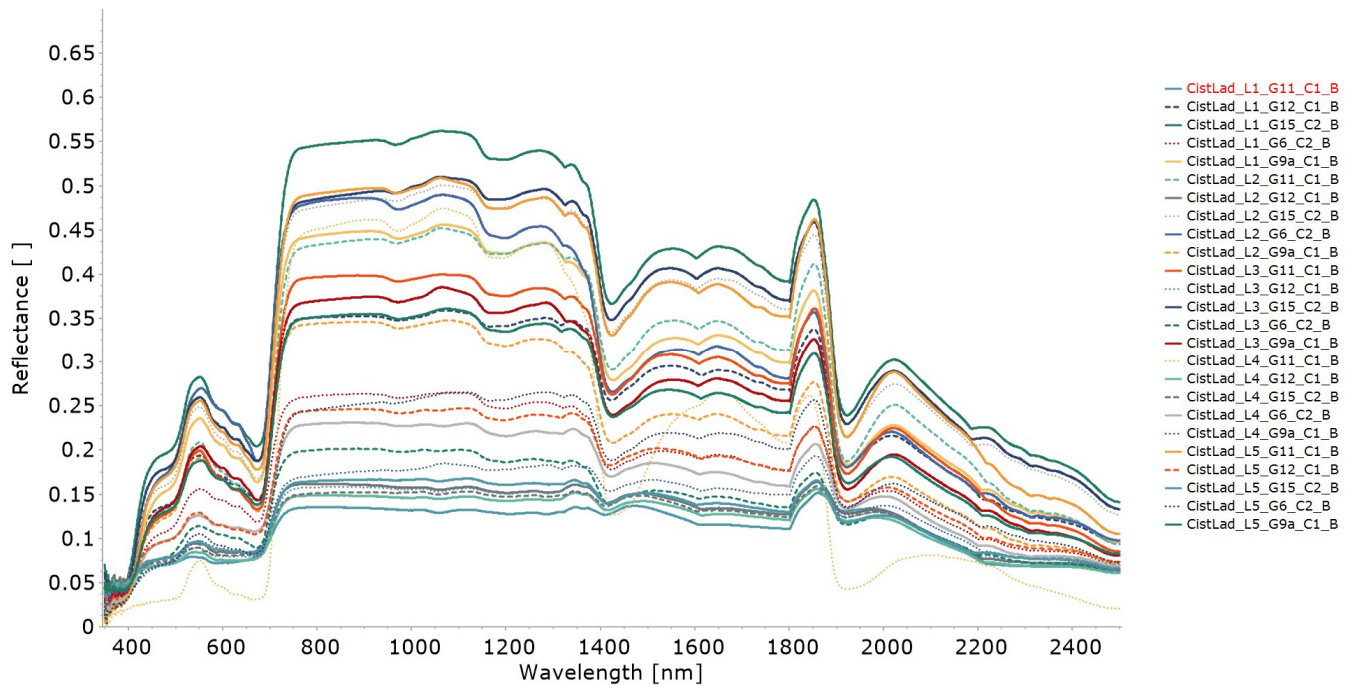
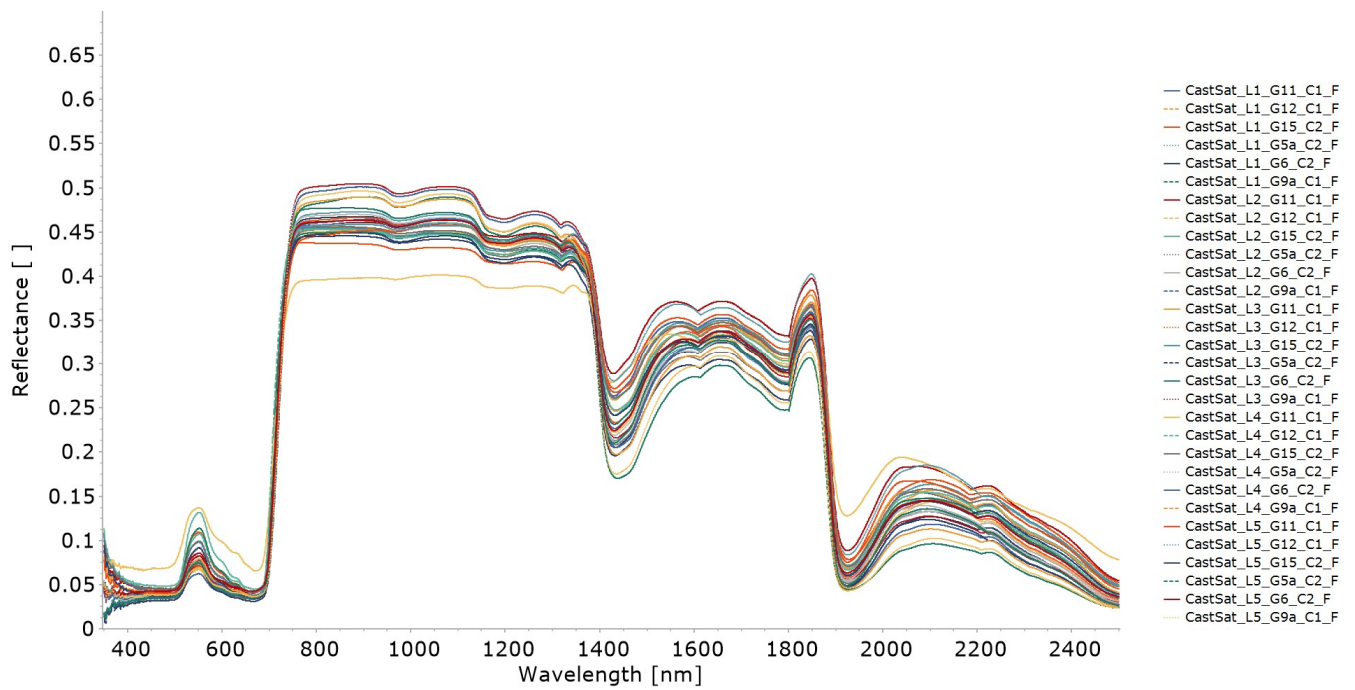
* Photo credits: Campos, J. C. (2024). ** Almeida, J. D. (n.d.). Flora-On. License: CC BY-NC 4.0. *** Araújo, P. V. (n.d.). Flora-On. License: CC BY-NC 4.0.

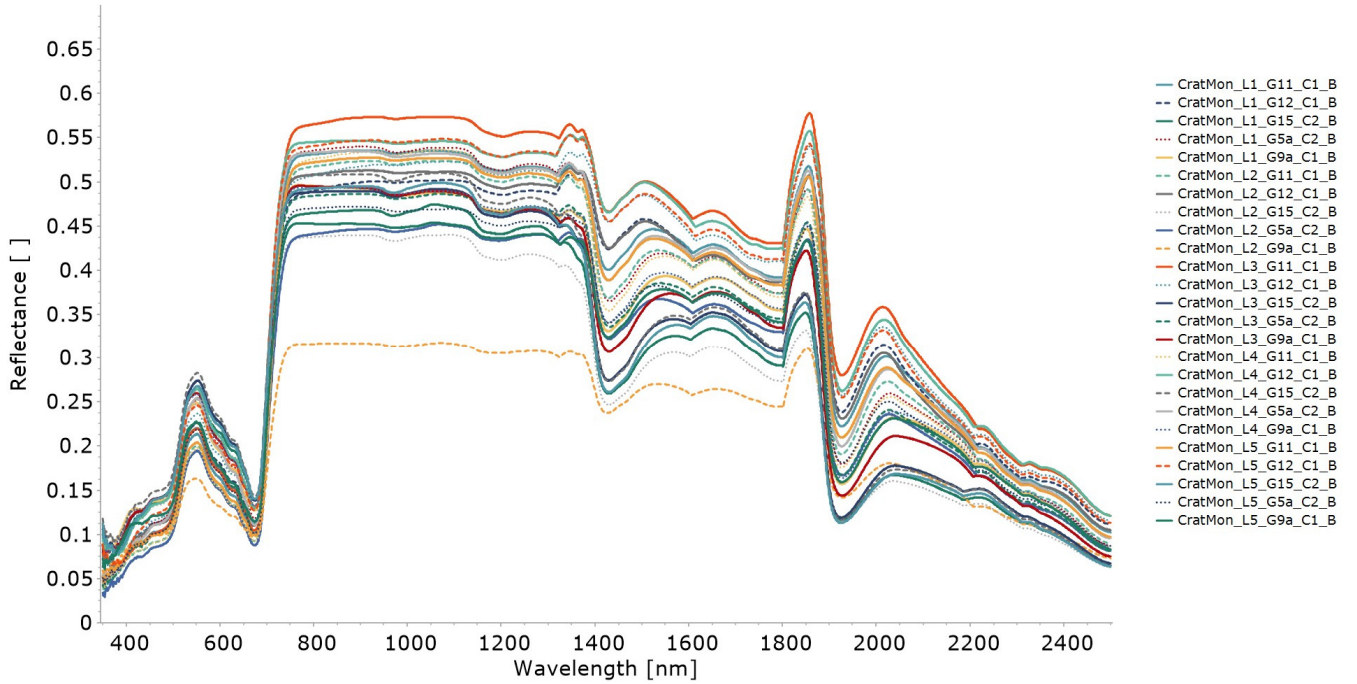
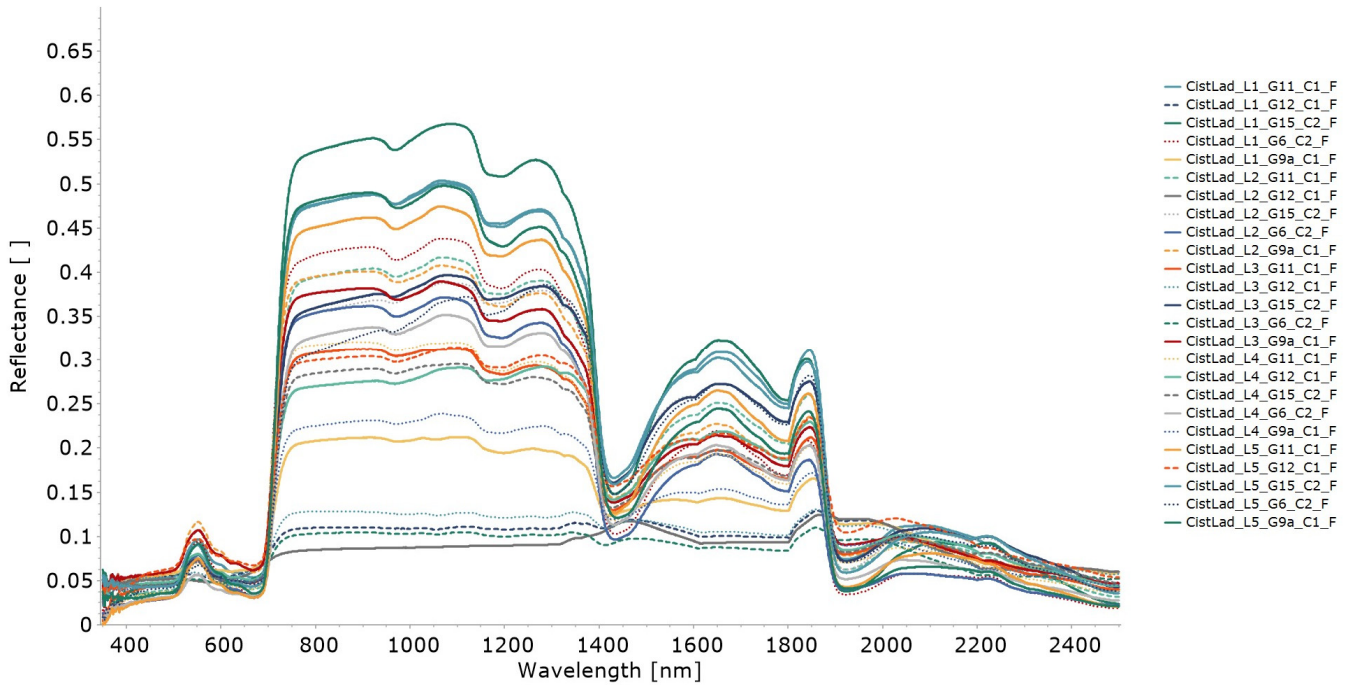
Figure S1 – Photographic record of a leaf from each vascular plant species selected for spectral data collection.

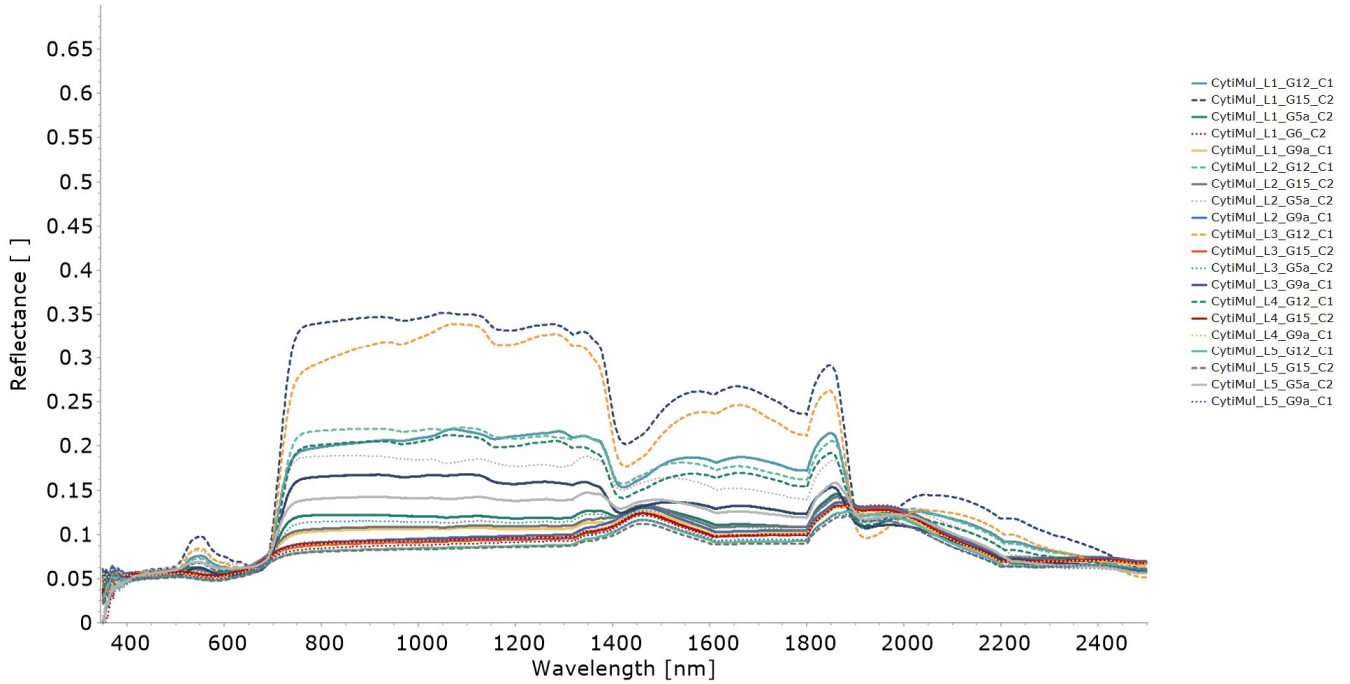
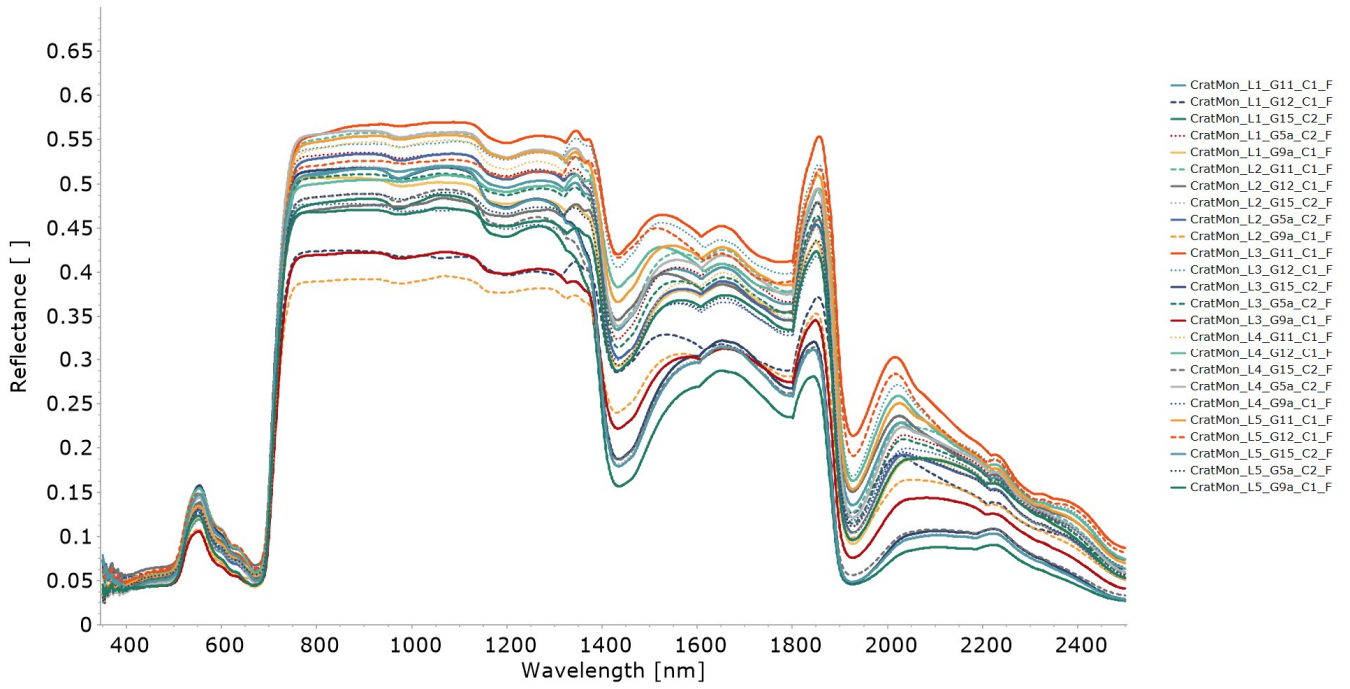


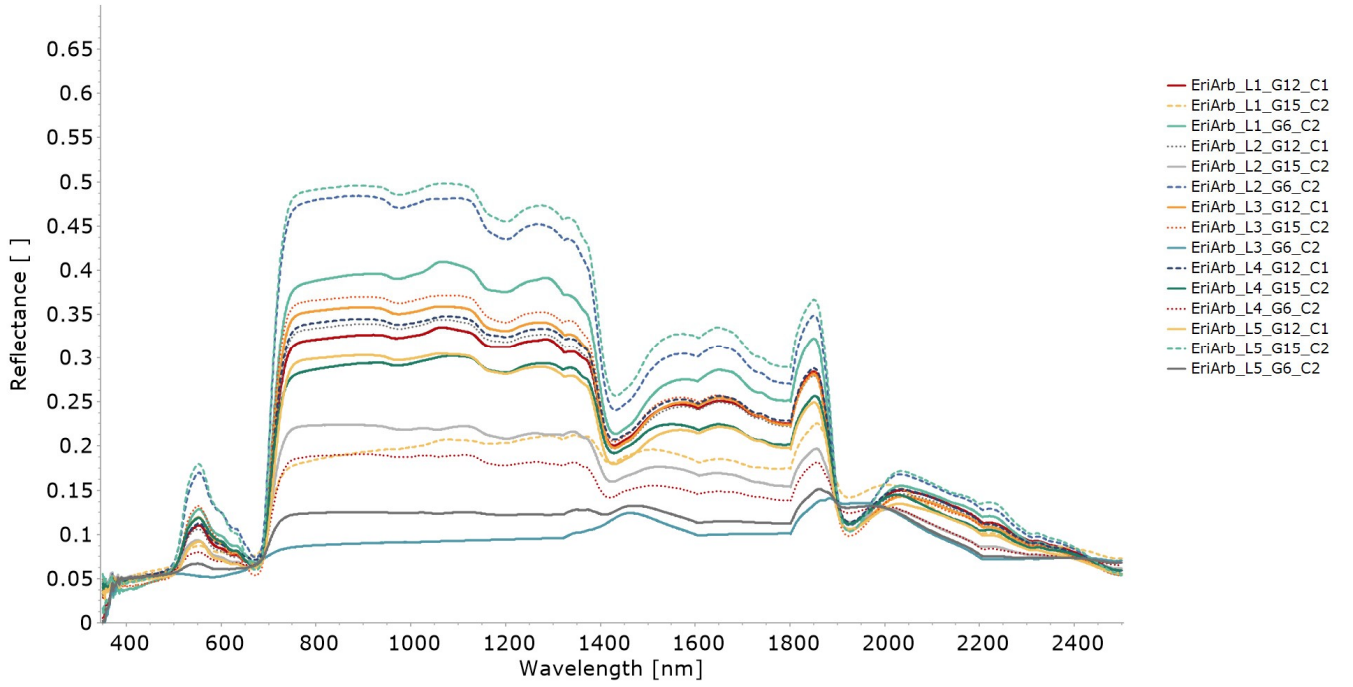
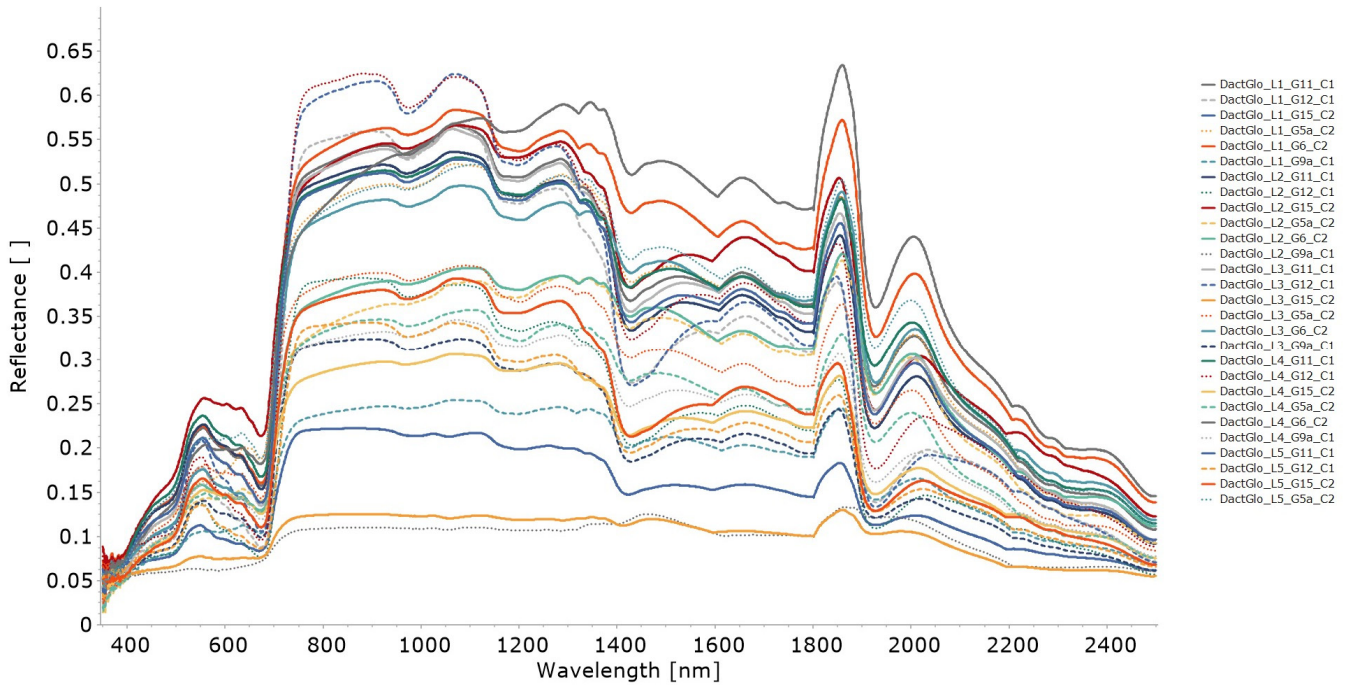


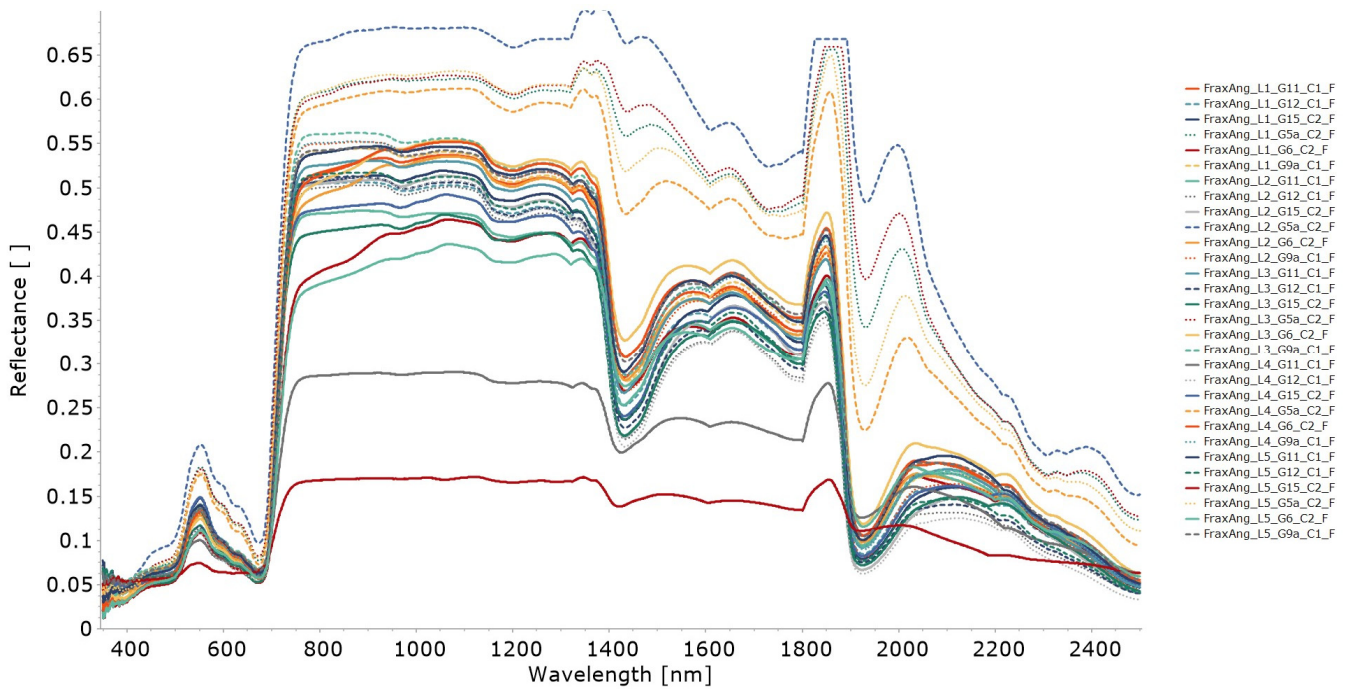
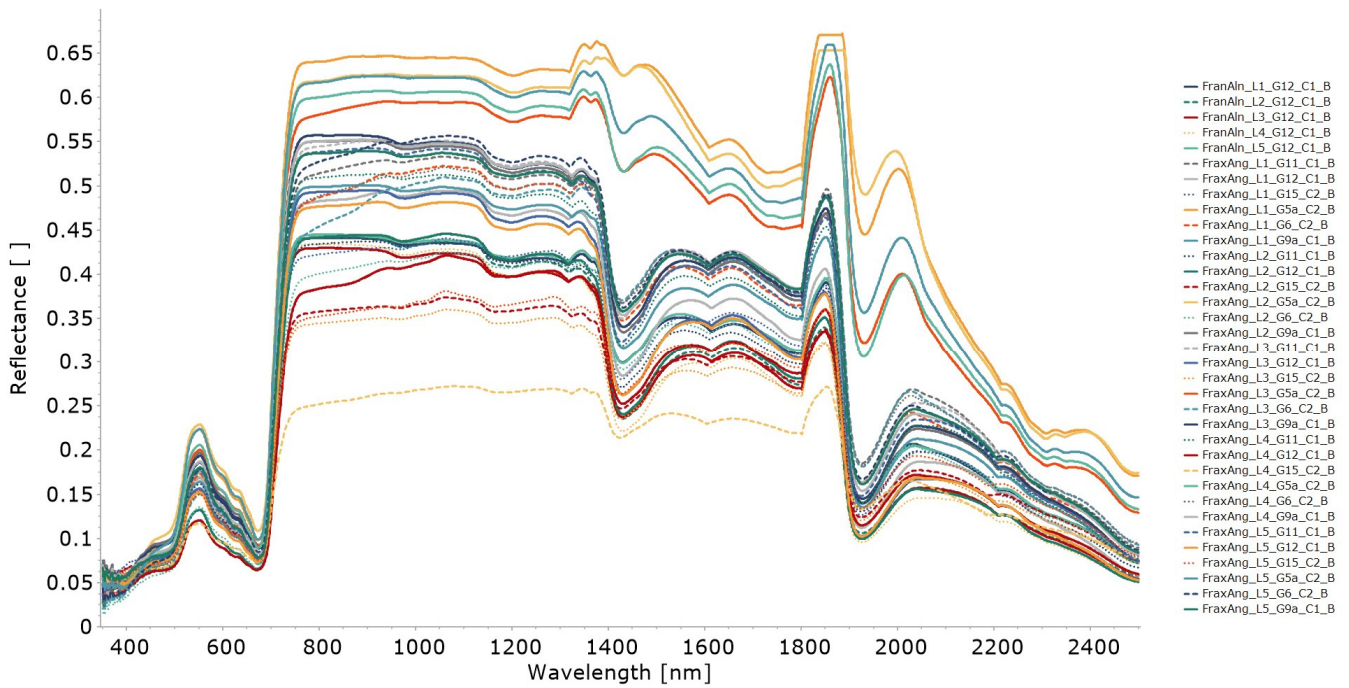


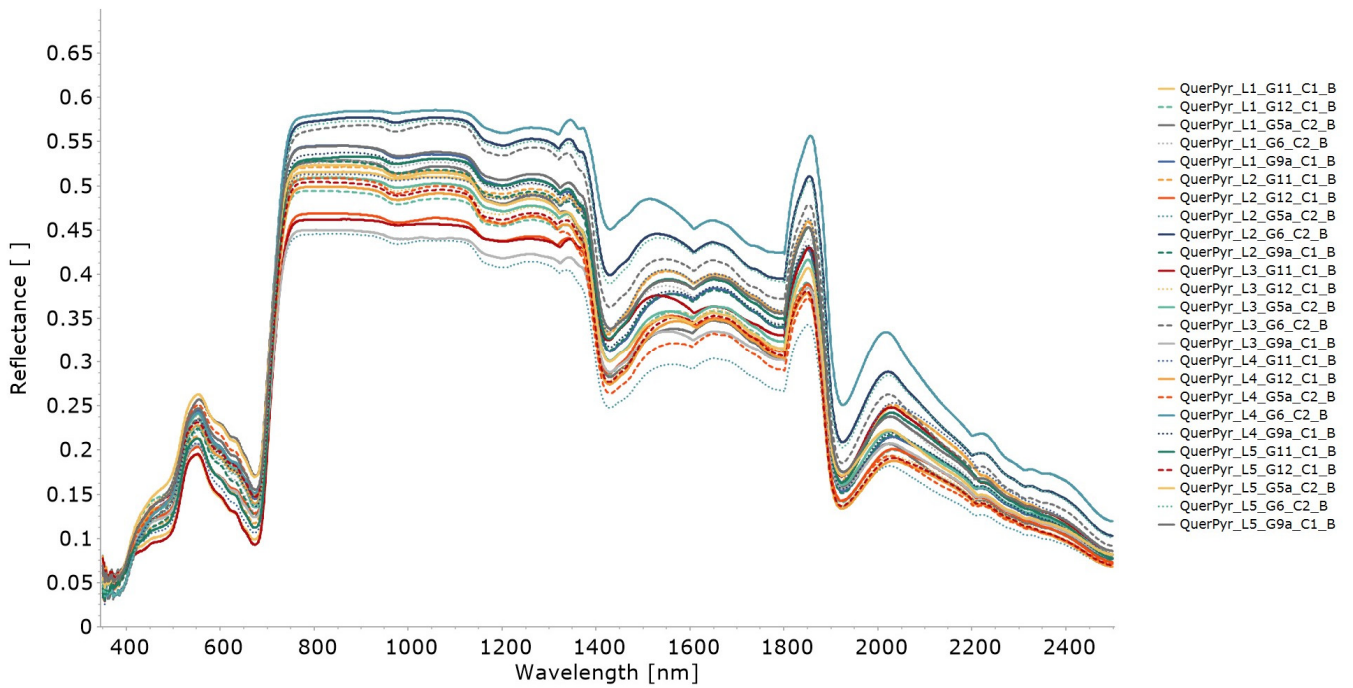
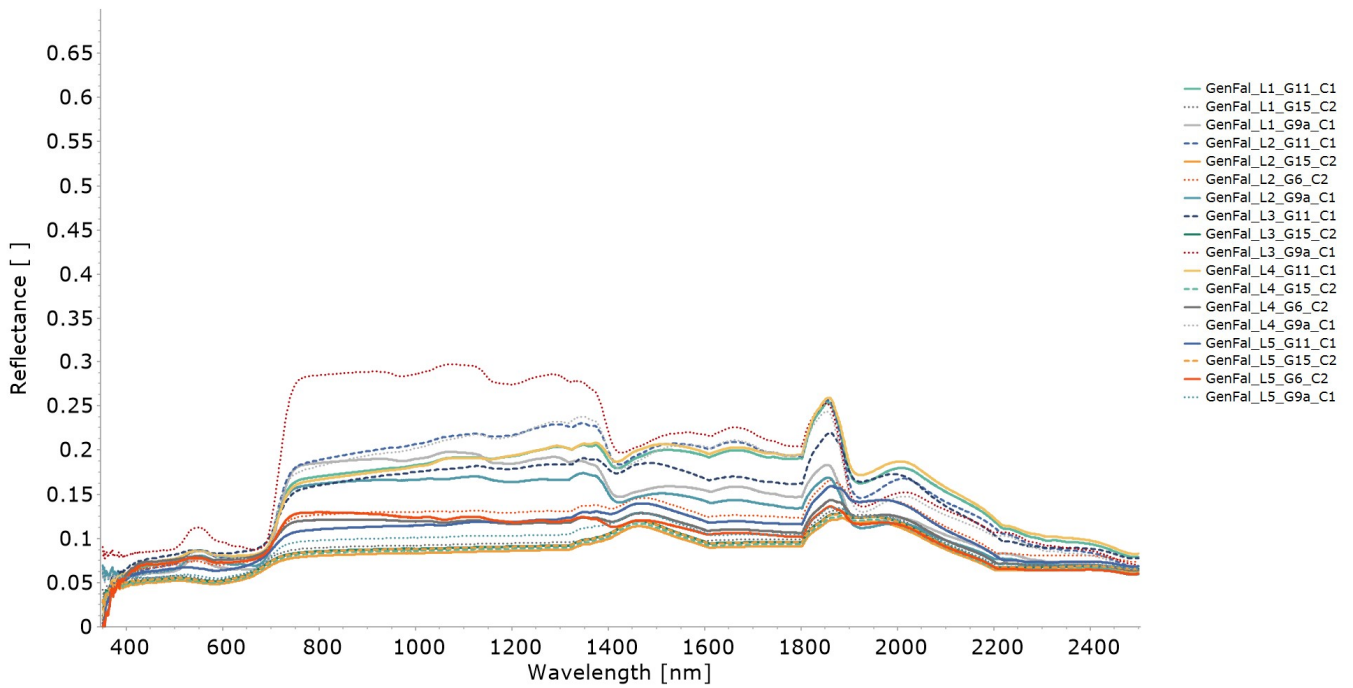


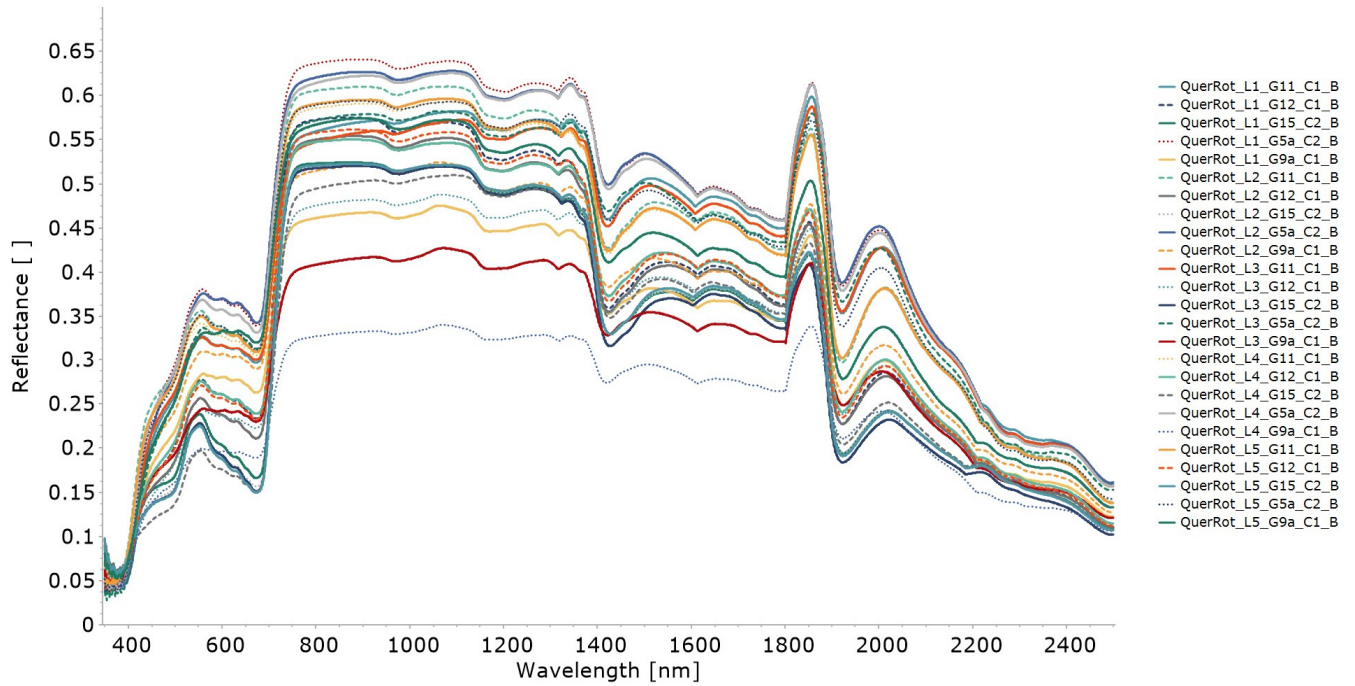
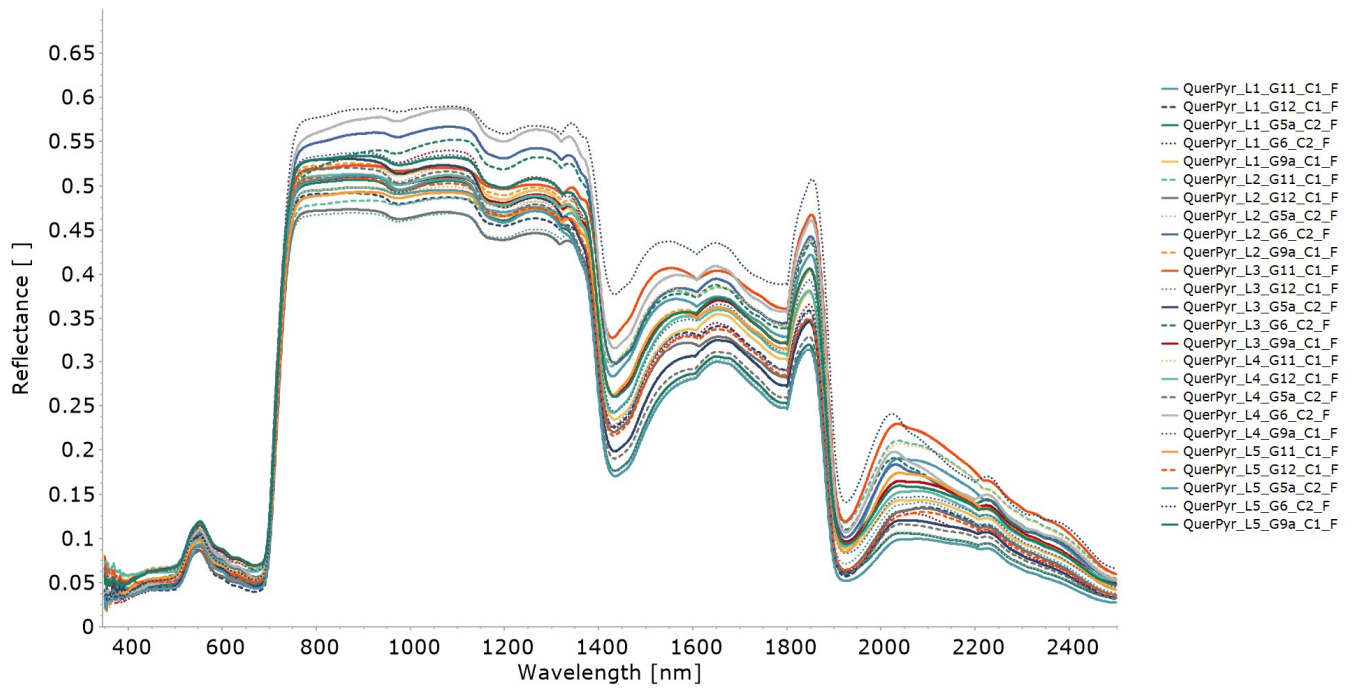


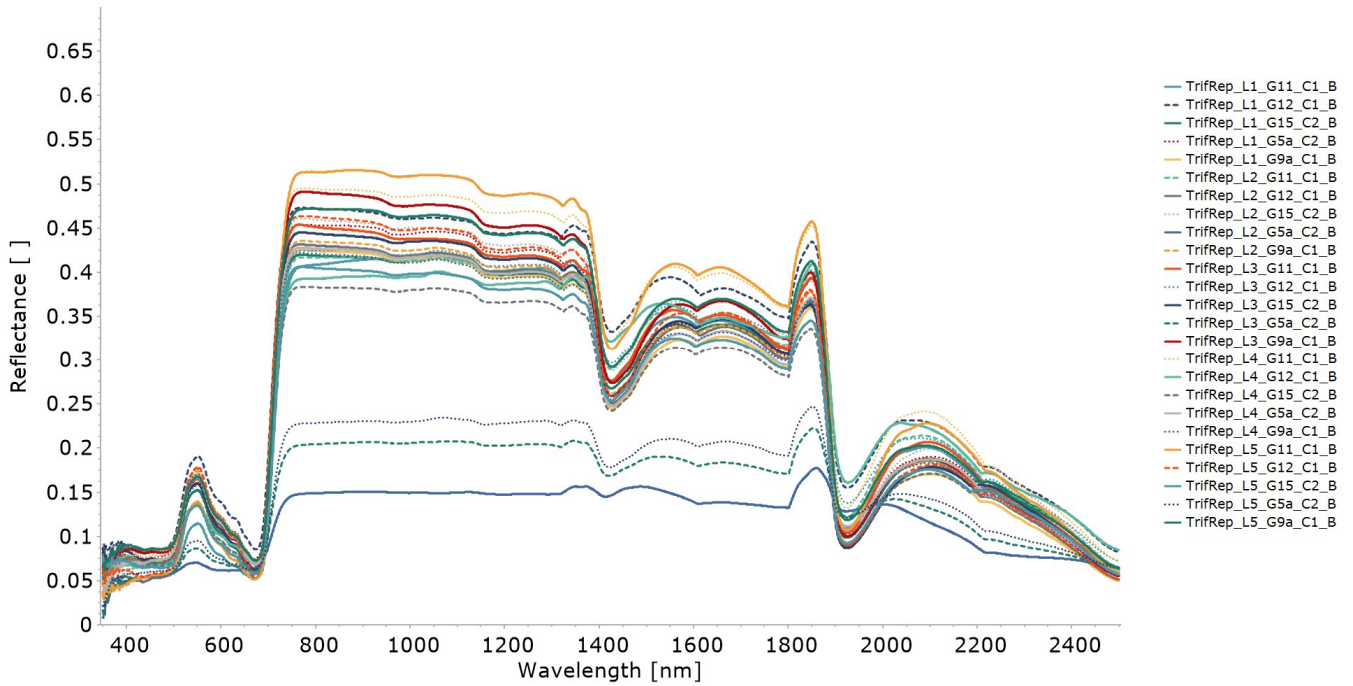
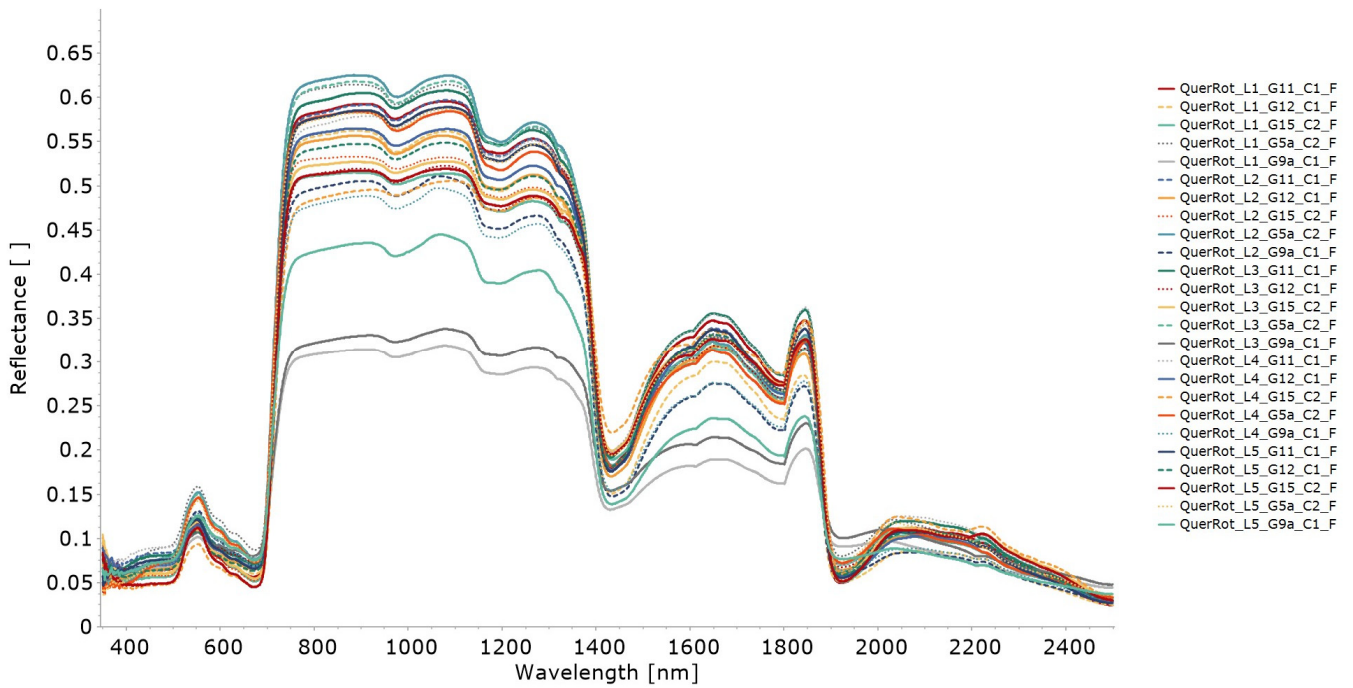












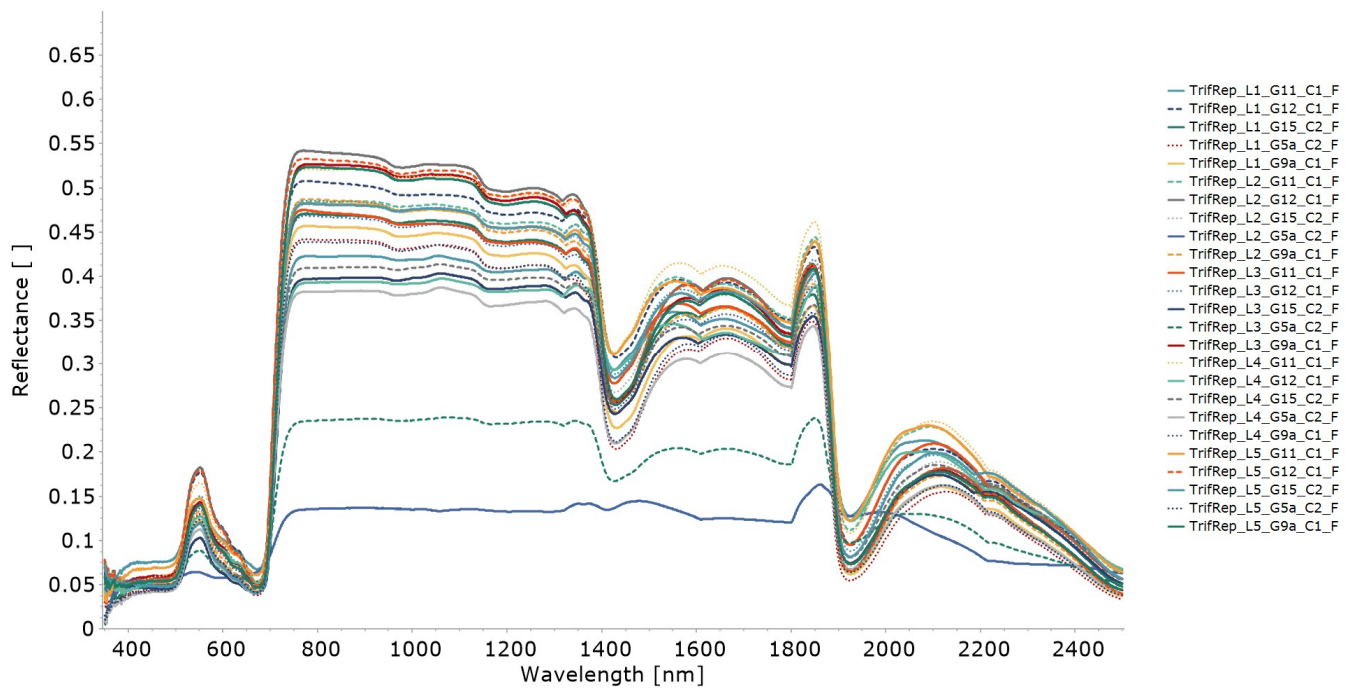


Figure S2 – Individual spectral curves, covering the range 350 – 2500 nm, collected per leaf and leaf side in each species. Both sides of the leaves (ventral/front (F) side and dorsal/back (B) side) were considered for *Alnus glutinosa* (L.) Gaertn (AlnGlu), *Arbutus unedo* L. (ArbUne), *Castanea sativa* Mill. (CatSat), *Cistus ladanifer* L. (CistLad), *Crataegus monogyna* Jacq. (CratMon), *Frangula alnus* Mill. (FranAln), *Fraxinus angustifolia* Vahl (FraxAng), *Quercus pyrenaica* Willd. (QuerPyr), *Quercus rotundifolia* Lam. (QuerRot), and *Trifolium repens* L. (TrifRep), while a single side of the leaves was considered for *Acacia dealbata* Link. (AcaDea), *Cytisus multiflorus* (L'Hér.) Sweet (CytMult), *Dactylis glomerata* L. (DactGlo), *Erica arborea* L. (EriArb), and *Genista falcata* Brot. (GenFal).

Table S1 - Coordinates (WGS 84) of the centre of the square grids sampled at Montesinho National Park

Square grid (1Km x 1Km)	Latitude	Longitude
G5a	41.93954957599999744	-7.10404515300000039
G6	41.926278599516003	-7.08266121152174044
G9a	41.88351678800000144	-6.692830324
G11	41.8736033369999987	-6.75202131300000019
G12	41.86375226799999894	-6.73226952599999962
G15	41.86534228400000046	-7.11887240400000021