

SUPPLEMENTARY MATERIAL: TABLES S1, S2, S3, S4; FIGURES S1, S2.

Table S1. Variables with their corresponding abbreviations and units.

Variable	Abbreviation	Unit	Variable	Abbreviation	Unit
Grassland	Gr	-	Surface	SuS	%
Shrubland	Sh		stoniness		
Forest	Fo				
Coordinate X	X	-	Leaf litter	Lw	g
Coordinate Y	Y		weight		
Altitude	A	m.a.s.l.	Leaf litter	Lc	%
			cover		
Slope	S	%	Bulk density	Bd	g/cm ³
Aspect	O	-	Humidity	Hu	%
Fraction of tree canopy	Fcc	%	Soil	SoS	%
cover			stoniness		
Average normal diameter of	D	cm	Texture	T	-
5 nearest trees					
Average height of the 5	H	cm	Real density	Rd	g/cm ³
nearest trees					
Average height of 5 nearest	Hs	cm	Porosity	P	%
shrubs					
Herbaceous cover	Hc	%	Organic	OM	%
			matter		

Table S2. Results of plots characterization (Monte el Viejo study area). Sample: code assigned to each sample (Gr: grassland, Sh: shrubland, Fo: Forest); X/Y: coordinates in ETRS89 UTM 30N system; A: altitude; O: aspect; S: slope; Fcc: tree canopy cover; D: average normal diameter of the 5 nearest trees; H: average height of the nearest 5 trees; Hs: average height of the nearest 5 shrubs; Hc: live herbaceous cover.

Sample	X	Y	A (m)	O	S (%)	Fcc (%)	D (cm)	H (cm)	Hs (cm)	Hc (%)
Gr1	370446	4647717	816	southeast	6.00	0	0	0	47	40
Gr2	370440	4647709	816	southeast	6.73	0	0	0	48	45
Gr3	370433	4647702	816	southeast	4.51	0	0	0	58	50
Sh1	370341	4647638	832	southeast	32.00	1.90	6.6	450	136	15
Sh2	370334	4647630	833	southeast	32.67	0	11	400	156	20
Sh3	370327	4647623	833	southeast	31.21	0	10.75	450	114	10
Fo1	370535	4647691	818	northwest	29.21	71.67	18.7	780	71	5
Fo2	370528	4647684	819	northwest	25.68	39.29	15.3	750	65	10
Fo3	370522	4647676	819	northwest	20.59	40.91	20.9	870	51	5

Table S3 Results of soil analysis of biotopes of Monte el Viejo study area: W: soil sample weight (g; arthropods sampling); Hu: soil humidity; Bd: bulk density; Rd: real density; P: porosity; SuS: surface stoniness; SoS: sample stoniness; Lw: weight of litter; Lc: percentage of litter; T: soil texture, and OM: organic matter.

Sam ple	W (g)	Hu (%)	Bd (g/cm ³)	Rd (g/cm ³)	P (%)	SuS (%)	SoS (%)	Lw (g)	Lc (%)	T	OM (%)
Gr1	1139.08	10.11	1.15	2.26	49.31	5	30.29	0.00	0	Clay loam	6.18
Gr2	1067.82	7.65	1.15	2.14	46.14	5	28.08	0.00	0	Clay loam	6.47
Gr3	930.17	8.03	1.09	2.17	49.59	5	40.68	0.00	0	Clay loam	7.90
Sh1	745.94	15.45	1.03	2.18	52.72	5	15.02	11.98	15	Silty clay loam	6.33
Sh2	642.09	17.24	0.96	2.33	58.85	5	19.86	7.97	15	Silty clay loam	6.05
Sh3	885.17	7.38	1.05	2.21	52.39	5	22.07	3.67	5	Silty clay loam	5.48
Fo1	477.96	11.10	0.88	2.65	67.00	5	22.59	44.82	90	Loam	10.62
Fo2	550.76	16.20	0.83	2.20	62.26	5	21.41	57.29	85	Silty loam loam	8.89
Fo3	483.07	35.68	0.36	1.63	77.86	5	7.98	50.84	15	Clay loam	19.56

Table S4. Bray-Curtis dissimilarity distances matrix for sampled plots (biotopes) of the Monte el Viejo periurban forest landscape.

	Gr1	Gr2	Gr3	Sh1	Sh2	Sh3	Fo1	Fo2
Gr2	0.732							
Gr3	0.682	0.549						
Sh1	0.787	0.300	0.462					
Sh2	0.746	0.225	0.362	0.275				
Sh3	0.704	0.159	0.421	0.292	0.253			
Fo1	0.694	0.621	0.209	0.600	0.444	0.493		
Fo2	0.720	0.617	0.146	0.562	0.424	0.424	0.153	
Fo3	0.681	0.657	0.397	0.611	0.486	0.530	0.325	0.300

Figure S1. Rank-abundance scatter plots by sampled biotopes of the Monte el Viejo periurban forest landscape.

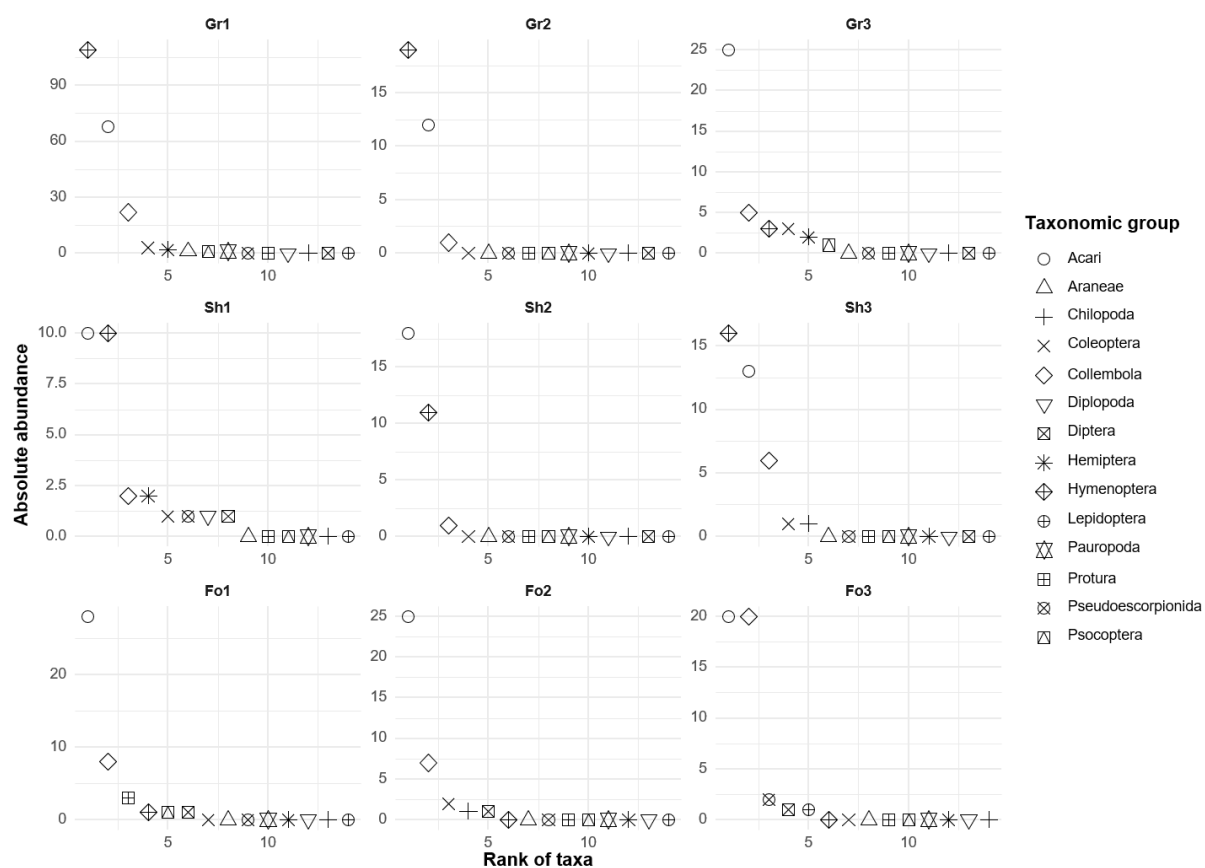


Figure S2. NMDS plot based on Bray-Curtis dissimilarity distances for sampled plots (biotopes) of the Monte el Viejo study area.

