Supporting Information

Title: Conservation prioritization of Orthoptera assemblages in a Mediterranean island

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Table S1. Sampling sites across the elevational zone and habitats in the study area. Zone 1: 0-500 m, 2: 501-1000 m, 3: 1001-1500 m, 4: > 1500 m.

Habitat type	Agricultural areas	Rural mosaics	Forests	Grasslands	Sclerophyllous vegetation	Transitional woodland/shrubland	Riverine vegetation	Total N
Zone 1	2	2	3	2	2	2	2	15
Zone 2	2	3	4	0	2	2	2	15
Zone 3	2	3	4	0	4	0	2	15
Zone 4	0	0	10	2	1	0	2	15
Cover (%)	9.03	10.03	44.29	0.30	16.47	3.45	N/A	1400

Table S2. Inventory of Orthoptera species in the study area. c_i: species conservation value, E/R: endemic/red-list, NT: near threatened, EN: endangered, N: number of sites the species was recorded.

Family	Species	c_i	E/R	N
Acrididae	*Acrida ungarica*	0.374		7
Acrididae	*Acrotylus insubricus*	0.381		4
Acrididae	*Acrotylus patruelis*	0.383		3
Acrididae	*Aiolopus strepens*	0.383		3
Acrididae	*Aiolopus thalassinus*	0.386		2
Acrididae	*Anacridium aegyptium*	0.357		14
Acrididae	*Calliptamus barbarus*	0.324		28
Acrididae	*Chorthippus bornhalmi*	0.302		37
Acrididae	*Chorthippus vagans cypriotus*	0.567	E	6
Acrididae	*Dociostaurus maroccanus*	0.379		5
Acrididae	*Oedipoda caerulescens*	0.362		12
Acrididae	*Oedipoda miniata*	0.350		17
Acrididae	*Pezotettix cypria*	0.752	E	8
Acrididae	*Sphingonotus caerulans insularis*	0.562	E	8
Acrididae	*Sphingonotus eurasius cyprius*	0.579	E	1
Acrididae	*Truxalis eximia cypria*	0.569	E	5
Gryllidae	*Gryllus bimaculatus*	0.483		1
Gryllidae	*Modicogryllus cyprius*	0.767	E	2
Gryllidae	*Oecanthus dulcisonans*	0.388		1
Pyrgomorhidae	*Pyrgomorpha cypria*	0.567	E	6
Tetrigidae	*Tetrix bolivari*	0.388		1
Tetrigidae	*Tetrix depressa*	0.386		2
Tettigoniidae	*Acrometopa syriaca*	0.386		2
Tettigoniidae	*Conocephalus fuscus cyprius*	0.576	E	2
Tettigoniidae	*Decticus albifrons*	0.374		7
Tettigoniidae	*Eupholidoptera cypria cypria*	0.664	E/NT	5
Tettigoniidae	*Exodrymadusa inornata*	0.731	E/NT	1
Tettigoniidae	*Isophya mavromoustakisi*	0.940	E/EN	1
Tettigoniidae	*Phanenoptera nana*	0.383		3
Tettigoniidae	*Platycleis escalerai*	0.376		6
Tettigoniidae	*Tessellana tessellata*	0.386		2
Tettigoniidae	*Tettigonia viridissima*	0.379		5
Tettigoniidae	*Tylopsis lilifolia*	0.367		10
Tridactylidae	*Xya pfaendleri*	0.483		1

Table S3. Shannon-Wiener diversity index (H), mean species conservation value (*Mean c_i*) and Standardized Conservation Index (*StCI*) in the 60 sites of the study area. Zone 1: 0-500 m, 2: 501-1000 m, 3: 1001-1500 m, 4: > 1500 m.

Site	Habitat type	Zone	H	*Mean c_i*	*StCI*
SO1	Agricultural areas	1	1.47	0.34	58.46
KO1		1	1.31	0.35	60.26
VO2		2	1.55	0.42	71.88
MA2		2	1.75	0.43	73.25
AF3		3	0.56	0.33	55.69
KO3		3	1.01	0.34	57.32
EK1	Ruralr mosaics	1	1.97	0.44	75.71
AK1		1	1.97	0.43	72.71
PA2		2	1.86	0.45	76.63
LO2		2	1.66	0.45	77.35
AT2		2	1.84	0.41	70.15
KY3		3	1.08	0.33	56.50
AV3		3	1.08	0.34	58.40
CH3		3	1.54	0.54	91.80
AS1	Forests	1	0.64	0.34	58.33
AG1		1	1.31	0.36	60.67
AP1		1	1.04	0.42	71.54
KA2		2	0.56	0.34	58.13
DI2		2	1.26	0.38	65.65
DG2		2	1.34	0.35	59.25
DP2		2	0.80	0.33	55.96
AE3		3	0.67	0.34	57.52
PE3		3	0.67	0.34	57.52
AM3		3	0.96	0.33	55.56
KT3		3	0.64	0.33	56.71
GA4		4	0.64	0.34	58.54
PT4		4	0.00	0.36	61.79
PR4		4	0.56	0.34	58.54
TT4		4	1.10	0.50	84.82
CH4		4	1.55	0.59	100.00
TE4		4	0.45	0.46	79.27
AT4		4	0.56	0.43	73.78
OL4		4	0.00	0.57	96.75
AA4		4	0.60	0.46	78.86
TG4		4	1.33	0.56	96.34
DL1	Grasslands	1	1.04	0.45	76.18
LI1		1	1.49	0.38	65.45
AL4		4	0.60	0.43	73.78
AA4	Sclerophyllous vegetation	4	0.00	0.30	51.63
AA1		1	0.60	0.46	78.25

EP1		1	1.42	0.41	70.00
LS2		2	0.64	0.31	53.46
AM2		2	0.96	0.42	71.27
MA3		3	1.01	0.41	70.33
AG3		3	0.64	0.34	58.54
SA3		3	0.64	0.37	63.21
KA3		3	0.87	0.33	57.05
MP4		4	1.21	0.48	82.01
AE1		1	1.04	0.38	65.72
AI1	Transitional woodland/shrubland	1	1.49	0.45	76.71
SP2		2	0.60	0.35	59.76
AE2		2	0.00	0.33	55.96
LV1		1	2.00	0.42	72.31
FA1		1	1.17	0.43	73.98
LA2		2	1.15	0.36	60.98
KK2	Riverine vegetation	2	1.73	0.39	66.26
PE3		3	1.28	0.35	59.76
MP3		3	0.56	0.33	56.30
TR4		4	0.69	0.30	51.63
KA4		4	0.00	0.31	53.46

Table S4. Mean species conservation value (*Mean c_i*) and Mean Standardized Conservation Index (*Mean StCI*) across habitat types and elevational zones.

Habitat type	Zone 1 (<500 m)		Zone 2 (501-1000 m)		Zone 3 (1001-1500 m)		Zone 4 (>1500 m)	
	Mean c_i	***Mean SCI***	***Mean c_i***	***Mean SCI***	***Mean c_i***	***Mean SCI***	***Mean c_i***	***Mean SCI***
Agricultural areas	0.35 (±0.01)	59.36 (±0.90)	0.43 (±0.00)	72.57 (±0.68)	0.33 (±0.00)	56.50 (±0.81)	NA	NA
Rural mosaics	0.43 (±0.01)	74.21 (±1.50)	0.44 (±0.01)	74.71 (±2.29)	0.40 (±0.07)	68.90 (±11.46)	NA	NA
Forests	0.37 (±0.02)	63.52 (±4.07)	0.35 (±0.01)	59.75 (±2.08)	0.33 (±0.00)	56.83 (±0.46)	0.46 (±0.02)	78.87 (±3.84)
Grasslands	0.41 (±0.03)	70.81 (±5.37)	NA	NA	NA	NA	0.37 (±0.06)	62.70 (±11.08)
Sclerophyllous vegetation	0.43 (±0.01)	74.13 (±4.13)	0.37 (±0.05)	62.36 (±8.91)	0.36 (±0.02)	62.28 (±2.99)	0.48 (±0.00)	82.01 (±0.00)
Transitional woodland/shrubland	0.42 (±0.03)	71.22 (±5.50)	0.34 (±0.05)	57.36 (±1.90)	NA	NA	NA	NA
Riverine vegetation	0.43 (±0.00)	73.15 (±0.84)	0.37 (±0.02)	63.62 (±2.64)	0.34 (±0.01)	58.03 (±1.73)	0.31 (±0.01)	52.54 (±0.91)

Table S5. Orthoptera species' code.

Code	Species
aungr	*Acrida ungarica*
asyri	*Acrometopa syriaca*
ainsu	*Acrotylus insubricus*
apatr	*Acrotylus patruelis*
astre	*Aiolopus strepens*
athal	*Aiolopus thalassinus*
aaegy	*Anacridium aegyptium*
cbarb	*Calliptamus barbarus*
cborn	*Chorthippus bornhalmi*
cvaga	*Chorthippus vagans cypriotus*
cfusc	*Conocephalus fuscus cyprius*
dalbi	*Decticus albifrons*
dmacr	*Dociostaurus maroccanus*
ecypr	*Eupholidoptera cypria cypria*
einor	*Exodrymadusa inornata*
gbima	*Gryllus bimaculatus*
imavr	*Isophya mavromoustakisi*
mcypr	*Modicogryllus cyprius*
odulc	*Oecanthus dulcisonans*
ocaer	*Oedipoda caerulescens*
omini	*Oedipoda miniata*
pecyr	*Pezotettix cypria*
pnana	*Phanenoptera nana*
pesca	*Platycleis escalerai*
pcypr	*Pyrgomorpha cypria*
sphin	*Sphingonotus caerulans insularis*
sphie	*Sphingonotus eurasius cyprius*
ttess	*Tessellana tessellata*
tboli	*Tetrix bolivari*
tdepr	*Tetrix depressa*
tvird	*Tettigonia viridissima*
texim	*Truxalis eximia cypria*
tlili	*Tylopsis lilifolia*
xpfa	*Xya pfaendleri*