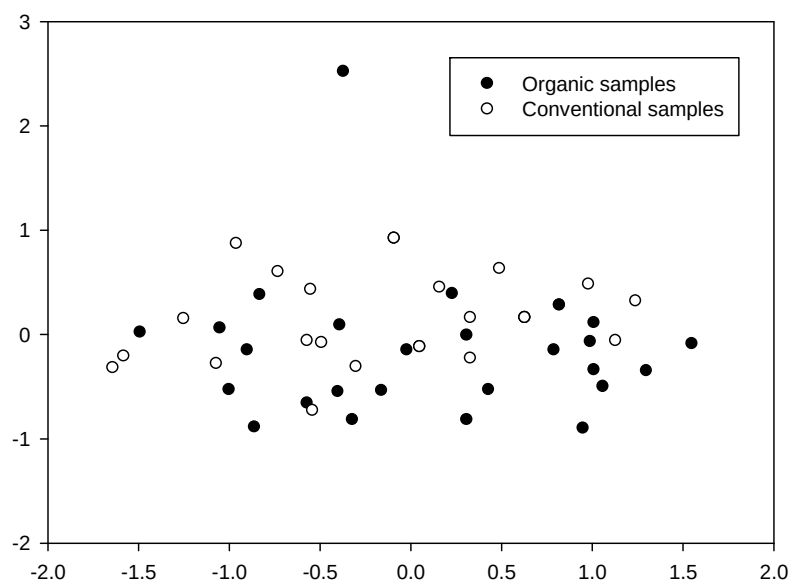


表四、村落相似性配對比較結果

Table 4. Pairwise Test result of each administrative division pair after ANOSIM.

Administrative division pair	R Statistic	Significance Level %
Dongli,Zhutian ^{**y}	0.278	0.3
Dongli,Luoshan	0.027	32.1
Dongli,Shipai	0.042	20.6
Dongli,Xuetian	0.117	5.6
Zhutian,Luoshan	0.111	14.2
Zhutian,Shipai	0.08	11.9
Zhutian,Xuetian ^{*z}	0.181	1.4
Luoshan ,Shipai	-0.081	77.0
Luoshan ,Xuetian	0.021	34.1
Shipai,Xuetian	0.056	14.7

^zMann-Whitney test, $p < 0.05$ ^yMann-Whitney test, $p < 0.01$ 

圖一、有機田區(實心)與慣行田區(空心)樣本多維尺度空間分布圖。

Fig. 1. Non-metric multidimensional scaling of organic (filled) and conventional (empty) samples.

表四、本研究以 SIMPER 程序分析顯示貢獻量大於 1 的物種。

Table 4. Species which contributed to the dissimilarity between two farming methods over the 1, selected by SIMPER procedure.

EFGs	Farming treats	Orgnaic fields	Conventional fields	Contributon(%)	Sum of(%)
	Av. similarity taxon	23 Av. Abun.	24.82 Av. Abun.		
Parasitoids	<i>Antrocephalus sp</i> * ^z	5.24	2.57	1.07	3.66
	<i>Adelius. sp</i>	11.41	10.57	1.16	
	<i>Sympiesis parnarae</i> *** ^y	9.03	2.7	1.43	
Predators	<i>Araneus inustus</i>	7.57	7.57	1.54	8.28
	<i>Micraspis discolor</i> *	19.69	10.61	2.17	
	<i>Ochthera sp.</i> *	7.01	6.87	1.42	
	<i>Tetragnatha javana</i>	4.52	2.87	1.07	
	<i>Tetragnatha maxillosa</i> *	28.46	17.65	2.08	
Pests	<i>Chyromya sp.</i>	5.23	4.22	1.1	32.83
	<i>Hydrellia sasakii</i>	20.41	5.57	1.29	
	<i>Laodelphax striatellus</i>	5.66	8.35	1.1	
	<i>Liriomyza sp.</i> *	7.92	9.65	1.46	
	<i>Nephotettix nigropictus</i> **	20.8	9.61	2.34	
	<i>Nephotettix virescens</i> *	11.48	8.87	1.78	
	<i>Oulema oryzae</i> *	74.9	4.39	2.33	
	<i>Pomacea canaliculata</i> *	3.83	9.87	1.36	
	<i>Sogatella furcifera</i>	57.98	76.87	3.97	
	<i>Stenchaetothrips biformis</i>	181.53	200.43	7.33	
	<i>Stenchaetothrips spA.</i>	11.38	19.09	1.58	
	<i>Steneotarsonemus spinki</i>	115.9	73.13	5.63	
	<i>Thaia rubiginosa</i> *	12.79	3.74	1.56	
Graminivores	<i>Ernestinus spB</i>	13.79	9.91	1.62	1.62
Neutral species	<i>Forcipomyia. sp</i>	13.9	16.17	2.15	18.41
	<i>Cricotopus spA</i>	15.48	39.61	2.73	
	<i>Cryptochironomus spA.</i>	13.24	45.57	2.66	
	<i>Cryptochironomus spB</i>	7.66	12.83	1.39	
	<i>Culex sp.</i> *	3.93	3.57	1.18	
	<i>Limnophyes sp.</i>	67.66	181.3	5.71	
	<i>Sepedon sp.</i> *	29.32	34.87	2.59	
Average dissimilarity= 76.24 (209 species ,120 organic samples,96 conventional samples)					

^zMann-Whitney test, $p < 0.05$

^yMann-Whitney test, $p < 0.01$