

Table S1 Tree A-B, B-C judgment matrix (Expert 2, a scholar in the field of environment)

Tree A-B judgment matrix	Tree B1-C judgment matrix	Tree B2-C judgment matrix	Tree B3-C judgment matrix
A B1 B2 B3 B1 1 1/8 1/6 B2 8 1 1/4 B3 6 1/4 1 $\lambda_{\max}=2.7053$, CR= -0.28<0.10	B1 C1 C2 C1 1 1/8 C2 8 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 8 3 C4 1/8 1 1/5 C5 1/3 5 1 $\lambda_{\max}=3.0441$, CR= 0.04<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 4 5 1/3 6 1/2 C7 1/4 1 3 1/5 4 1/6 C8 1/5 1/3 1 1/6 2 1/7 C9 3 5 6 1 8 2 C10 1/6 1/4 1/2 1/9 1 1/8 C11 2 6 7 1/2 8 1 $\lambda_{\max}=6.2811$, CR= 0.05<0.10

Shrub A-B judgment matrix	Shrub B1-C judgment matrix	Shrub B2-C judgment matrix	Shrub B3-C judgment matrix
A B1 B2 B3 B1 1 1/7 1/5 B2 7 1 3 B3 5 1/3 1 $\lambda_{\max}=3.0649$, CR= 0.05<0.10	B1 C1 C2 C1 1 1/3 C2 3 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 5 4 C4 1/5 1 2 C5 1/4 1/2 1 $\lambda_{\max}=3.0940$, CR= 0.09<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 6 5 4 1/5 1/4 C7 1/6 1 1/2 1/5 1/9 1/7 C8 1/5 2 1 1/4 1/8 1/6 C9 1/4 5 4 1 1/6 1/5 C10 5 9 8 6 1 2 C11 4 7 6 5 1/2 1 $\lambda_{\max}=6.5463$, CR= 0.09<0.10

Herbaceous plant A-B judgment matrix	Herbaceous plant B1-C judgment matrix	Herbaceous plant B2-C judgment matrix	Herbaceous plant B3-C judgment matrix
A B1 B2 B3 B1 1 1/5 1/4 B2 5 1 3 B3 4 1/3 1 $\lambda_{\max}=3.0858$, CR= 0.08<0.10	B1 C1 C2 C1 1 1/3 C2 3 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 3 5 C4 1/3 1 1/4 C5 1/5 1/4 1 $\lambda_{\max}=2.5577$, CR= -0.42<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 4 1/8 3 1/2 2 C7 1/4 1 1/9 1/2 1/8 1/3 C8 8 9 1 6 2 3 C9 1/3 2 1/6 1 1/5 1/2 C10 2 8 1/2 5 1 4 C11 1/2 3 1/3 2 1/4 1 $\lambda_{\max}=6.2758$, CR= 0.04<0.10

Table S2 Tree A-B, B-C judgment matrix (Expert 3, a scholar in the field of environment)

Tree A-B judgment matrix	Tree B1-C judgment matrix	Tree B2-C judgment matrix	Tree B3-C judgment matrix
A B1 B2 B3 B1 1 1/7 1/4 B2 7 1 4 B3 4 1/4 1 $\lambda_{\max}=3.0764$ CR=0.07<0.10	B1 C1 C2 C1 1 1/3 C2 3 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 4 6 C4 1/4 1 3 C5 1/6 1/3 1 $\lambda_{\max}=3.0536$, CR=0.05<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 1/6 3 1/3 1/4 1/5 C7 6 1 8 5 3 2 C8 1/3 1/8 1 1/2 1/5 1/6 C9 3 1/5 2 1 1/3 1/4 C10 4 1/3 5 3 1 1/2 C11 5 1/2 6 4 2 1 $\lambda_{\max}=6.2752$, CR= 0.04<0.10

Shrub A-B judgment matrix	Shrub B1-C judgment matrix	Shrub B2-C judgment matrix	Shrub B3-C judgment matrix
A B1 B2 B3 B1 1 1/5 1/3 B2 5 1 2 B3 3 1/2 1 $\lambda_{\max}=3.0037$, CR=0.0036<0.10	B1 C1 C2 C1 1 1/5 C2 5 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 3 5 C4 1/3 1 2 C5 1/5 1/2 1 $\lambda_{\max}=3.037$, CR=0.0036<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 2 5 4 7 1/3 C7 1/2 1 4 2 6 1/4 C8 1/5 1/4 1 1/3 1/2 1/9 C9 1/4 1/2 3 1 2 1/5 C10 1/7 1/6 2 1/2 1 1/8 C11 3 4 9 5 8 1 $\lambda_{\max}=6.2403$, CR= 0.04<0.10

Herbaceous plant A-B judgment matrix	Herbaceous plant B1-C judgment matrix	Herbaceous plant B2-C judgment matrix	Herbaceous plant B3-C judgment matrix
A B1 B2 B3 B1 1 1/4 1/3 B2 4 1 2 B3 3 1/2 1 $\lambda_{\max}=3.0183$, CR=0.02<0.10	B1 C1 C2 C1 1 1/6 C2 6 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 3 4 C4 1/3 1 2 C5 1/4 1/2 1 $\lambda_{\max}=3.0183$, CR=0.02<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 3 5 8 6 1/4 C7 1/3 1 3 7 5 1/5 C8 1/5 1/3 1 5 4 1/6 C9 1/8 1/7 1/5 1 1/3 1/9 C10 1/6 1/5 1/4 3 1 1/8 C11 4 5 6 9 8 1 $\lambda_{\max}=6.5996$, CR= 0.095<0.10

Table S3 Tree A-B, B-C judgment matrix (Expert 4, from the environmental protection industry)

Tree A-B judgment matrix	Tree B1-C judgment matrix	Tree B2-C judgment matrix	Tree B3-C judgment matrix
A B1 B2 B3 B1 1 1/7 1/5 B2 7 1 3 B3 5 1/3 1 $\lambda_{\max}=3.0649$, CR=0.06<0.10	B 1 C1 C2 C 1 1 1/5 C 2 5 1 $\lambda_{\max}=2$, CR=0<0.10	B2 C3 C4 C5 C3 1 1/5 1/3 C4 5 1 3 C5 3 1/3 1 $\lambda_{\max}=3.0385$, CR=0.04<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 5 8 3 9 7 C7 1/5 1 5 1/4 7 3 C8 1/8 1/5 1 1/7 4 1/3 C9 1/3 4 7 1 8 5 C10 1/9 1/7 1/4 1/8 1 1/5 C11 1/7 1/3 3 1/5 5 1 $\lambda_{\max}=6.6059$, CR=0.096<0.10

Shrub A-B judgment matrix	Shrub B1-C judgment matrix	Shrub B2-C judgment matrix	Shrub B3-C judgment matrix
A B1 B2 B3 B1 1 1/7 1/6 B2 7 1 3 B3 6 1/3 1 $\lambda_{\max}=3.0999$, CR=0.096<0.10	B 1 C1 C2 C 1 1 1/2 C 2 2 1 $\lambda_{\max}=2$, CR=0<0.10	B2 C3 C4 C5 C3 1 1/3 1/5 C4 3 1 1/3 C5 5 3 1 $\lambda_{\max}=3.0385$, CR=0.04<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 5 7 3 9 6 C7 1/5 1 5 1/3 6 2 C8 1/7 1/5 1 1/6 4 1/3 C9 1/3 3 6 1 7 5 C10 1/9 1/6 1/4 1/7 1 1/5 C11 1/6 1/2 3 1/5 5 1 $\lambda_{\max}=6.4826$ CR= 0.08<0.10

Herbaceous plant A-B judgment matrix	Herbaceous plant B1-C judgment matrix	Herbaceous plant B2-C judgment matrix	Herbaceous plant B3-C judgment matrix
A B1 B2 B3 B1 1 1/3 1/5 B2 3 1 1/3 B3 5 3 1 $\lambda_{\max}=3.0385$, CR=0.04<0.10	B 1 C1 C2 C 1 1 1/5 C 2 5 1 $\lambda_{\max}=2$, CR=0<0.10	B2 C3 C4 C5 C3 1 1/3 1/5 C4 3 1 1/4 C5 5 4 1 $\lambda_{\max}=3.0358$, CR=0.08<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 5 3 6 8 4 C7 1/5 1 1/4 2 3 1/3 C8 1/3 4 1 5 7 3 C9 1/6 1/2 1/5 1 4 1/4 C10 1/8 1/3 1/7 1/4 1 1/5 C11 1/4 3 1/3 4 5 1 $\lambda_{\max}=6.4022$, CR= 0.06<0.10

Table S4 Tree A-B, B-C judgment matrix (Expert 5, from the environmental protection industry)

Tree A-B judgment matrix	Tree B1-C judgment matrix	Tree B2-C judgment matrix	Tree B3-C judgment matrix
A B1 B2 B3 B1 1 2 1/4 B2 1/2 1 1/5 B3 4 5 1 $\lambda_{\max}=3.0246$, CR=0.02<0.10	B1 C1 C2 C1 1 1/6 C2 6 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 1/3 5 C4 3 1 6 C5 1/5 1/6 1 $\lambda_{\max}=3.0940$, CR=0.09<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 6 3 1/3 2 4 C7 1/6 1 1/4 1/8 1/5 1/2 C8 1/3 4 1 1/5 1/2 2 C9 3 8 5 1 4 6 C10 1/2 5 2 1/4 1 3 C11 1/4 2 1/2 1/6 1/3 1 $\lambda_{\max}=6.1700$, CR= 0.03<0.10

Shrub A-B judgment matrix	Shrub B1-C judgment matrix	Shrub B2-C judgment matrix	Shrub B3-C judgment matrix
A B1 B2 B3 B1 1 1/3 1/5 B2 3 1 1/4 B3 5 4 1 $\lambda_{\max}=3.0838$, CR=0.08<0.10	B1 C1 C2 C1 1 1/5 C2 5 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 1/4 3 C4 4 1 5 C5 1/3 1/5 1 $\lambda_{\max}=3.0858$, CR=0.08<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 6 5 1/2 1/4 3 C7 1/6 1 1/3 1/7 1/8 1/4 C8 1/5 3 1 1/6 1/7 1/2 C9 2 7 6 1 1/2 3 C10 4 8 7 2 1 5 C11 1/3 4 2 1/3 1/5 1 $\lambda_{\max}=6.2661$, CR= 0.04<0.10

Herbaceous plant A-B judgment matrix	Herbaceous plant B1-C judgment matrix	Herbaceous plant B2-C judgment matrix	Herbaceous plant B3-C judgment matrix
A B1 B2 B3 B1 1 1/2 1/3 B2 2 1 1/3 B3 3 3 1 $\lambda_{\max}=3.0536$, CR=0.05<0.10	B1 C1 C2 C1 1 1/4 C2 4 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 1/4 1/3 C4 4 1 3 C5 3 1/3 1 $\lambda_{\max}=3.0735$, CR=0.07<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 7 6 4 5 3 C7 1/7 1 1/2 1/5 1/4 1/6 C8 1/6 2 1 1/3 1/2 1/5 C9 1/4 5 3 1 2 1/3 C10 1/5 4 2 1/2 1 1/4 C11 1/3 6 5 3 4 1 $\lambda_{\max}=6.2775$, CR= 0.04<0.10

Table S5 Tree A-B, B-C judgment matrix (Expert 6, from the landscape design industry)

Tree A-B judgment matrix	Tree B1-C judgment matrix	Tree B2-C judgment matrix	Tree B3-C judgment matrix
A B1 B2 B3 B1 1 1/3 1/7 B2 3 1 1/6 B3 7 6 1 $\lambda_{\max}=3.0999$, CR=0.096<0.10	B1 C1 C2 C1 1 1/8 C2 8 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 5 3 C4 1/5 1 1/2 C5 1/3 2 1 $\lambda_{\max}=3.0037$, CR=0.004<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 8 5 3 7 4 C7 1/8 1 1/3 1/7 1/2 1/4 C8 1/5 3 1 1/3 2 1/2 C9 1/3 7 3 1 6 2 C10 1/7 2 1/2 1/6 1 1/5 C11 1/4 4 2 1/2 5 1 $\lambda_{\max}=6.1934$, CR= 0.04<0.10

Shrub A-B judgment matrix	Shrub B1-C judgment matrix	Shrub B2-C judgment matrix	Shrub B3-C judgment matrix
A B1 B2 B3 B1 1 1/4 1/5 B2 4 1 1/3 B3 5 3 1 $\lambda_{\max}=3.0858$, CR=0.08<0.10	B1 C1 C2 C1 1 1/2 C2 2 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 3 1/4 C4 1/3 1 1/5 C5 4 5 1 $\lambda_{\max}=3.0858$, CR=0.08<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 1/4 4 1/3 6 5 C7 4 1 5 1/2 8 7 C8 1/4 1/5 1 1/6 5 4 C9 3 2 6 1 9 8 C10 1/6 1/8 1/5 1/9 1 1/2 C11 1/5 1/7 1/4 1/8 2 1 $\lambda_{\max}=6.4533$, CR= 0.07<0.10

Herbaceous plant A-B judgment matrix	Herbaceous plant B1-C judgment matrix	Herbaceous plant B2-C judgment matrix	Herbaceous plant B3-C judgment matrix
A B1 B2 B3 B1 1 1/8 1/3 B2 8 1 2 B3 3 1/2 1 $\lambda_{\max}=3.0092$, CR=0.009<0.10	B1 C1 C2 C1 1 1/6 C2 6 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 3 1/5 C4 1/3 1 1/6 C5 5 6 1 $\lambda_{\max}=3.0940$, CR=0.09<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 9 3 5 6 7 C7 1/9 1 1/7 1/5 1/3 1/2 C8 1/3 7 1 4 5 6 C9 1/5 5 1/4 1 2 3 C10 1/6 3 1/5 1/2 1 2 C11 1/7 2 1/6 1/3 1/2 1 $\lambda_{\max}=6.2624$, CR= 0.04<0.10

Table S6 Tree A-B, B-C judgment matrix (Expert 7, from the landscape design industry)

Tree A-B judgment matrix	Tree B1-C judgment matrix	Tree B2-C judgment matrix	Tree B3-C judgment matrix
A B1 B2 B3 B1 1 1/3 1/5 B2 3 1 1/4 B3 5 4 1 $\lambda_{\max}=3.0858$, CR=0.08<0.10	B1 C1 C2 C1 1 1/4 C2 4 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 1/5 2 C4 5 1 4 C5 1/2 1/4 1 $\lambda_{\max}=3.0390$, CR=0.09<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 5 2 4 1/2 1/5 C7 1/5 1 1/3 1/2 1/6 1/8 C8 1/2 3 1 2 1/4 1/6 C9 1/4 2 1/2 1 1/5 1/7 C10 2 6 4 5 1 1/3 C11 5 8 6 7 3 1 $\lambda_{\max}=6.2110$, CR= 0.03<0.10

Shrub A-B judgment matrix	Shrub B1-C judgment matrix	Shrub B2-C judgment matrix	Shrub B3-C judgment matrix
A B1 B2 B3 B1 1 1/3 1/4 B2 3 1 1/2 B3 4 2 1 $\lambda_{\max}=3.0813$, CR=0.02<0.10	B1 C1 C2 C1 1 1/3 C2 3 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 1/4 3 C4 4 1 5 C5 1/3 1/5 1 $\lambda_{\max}=3.0858$, CR=0.08<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 2 1/2 1/3 1/5 1/4 C7 1/2 1 1/5 1/4 1/7 1/6 C8 2 5 1 1/2 1/4 1/3 C9 3 4 2 1 1/3 1/2 C10 5 7 4 3 1 2 C11 4 6 3 2 1/2 1 $\lambda_{\max}=6.1571$, CR= 0.02<0.10

Herbaceous plant A-B judgment matrix	Herbaceous plant B1-C judgment matrix	Herbaceous plant B2-C judgment matrix	Herbaceous plant B3-C judgment matrix
A B1 B2 B3 B1 1 1/2 1/5 B2 2 1 1/4 B3 5 4 1 $\lambda_{\max}=3.0246$, CR=0.02<0.10	B1 C1 C2 C1 1 1/4 C2 4 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 1/3 1/5 C4 3 1 1/4 C5 5 4 1 $\lambda_{\max}=3.0858$, CR=0.08<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 1/2 3 2 1/4 1/6 C7 2 1 5 4 1/3 1/5 C8 1/3 1/5 1 1/2 1/6 1/8 C9 1/2 1/4 2 1 1/5 1/7 C10 4 3 6 5 1 1/3 C11 6 5 8 7 3 1 $\lambda_{\max}=6.2565$, CR= 0.04<0.10

Table S7 Tree A-B, B-C judgment matrix (Expert 8, from the plant ecological protection industry)

Tree A-B judgment matrix	Tree B1-C judgment matrix	Tree B2-C judgment matrix	Tree B3-C judgment matrix
A B1 B2 B3 B1 1 1/5 1/4 B2 5 1 2 B3 4 1/2 1 $\lambda_{\max}=3.0246$, CR=0.02<0.10	B1 C1 C2 C1 1 1/6 C2 6 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 5 3 C4 1/5 1 1/3 C5 1/3 3 1 $\lambda_{\max}=3.0385$, CR=0.04<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 1/7 3 1/5 1/4 1/3 C7 7 1 8 3 5 6 C8 1/3 1/8 1 1/7 1/6 1/5 C9 5 1/3 7 1 3 4 C10 4 1/5 6 1/3 1 3 C11 3 1/6 5 1/4 1/3 1 $\lambda_{\max}=6.4766$, CR= 0.08<0.10

Shrub A-B judgment matrix	Shrub B1-C judgment matrix	Shrub B2-C judgment matrix	Shrub B3-C judgment matrix
A B1 B2 B3 B1 1 1/3 1/3 B2 3 1 1/2 B3 3 2 1 $\lambda_{\max}=3.0536$, CR=0.05<0.10	B1 C1 C2 C1 1 1/3 C2 3 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 5 3 C4 1/5 1 1/4 C5 1/3 4 1 $\lambda_{\max}=3.0385$, CR=0.04<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 1/8 1/4 1/3 1/5 1/2 C7 8 1 5 6 3 7 C8 6 1/5 1 2 1/3 4 C9 3 1/6 1/2 1 1/4 2 C10 7 1/3 3 4 1 6 C11 2 1/7 1/4 1/2 1/6 1 $\lambda_{\max}=6.041$, CR= 0.06<0.10

Herbaceous plant A-B judgment matrix	Herbaceous plant B1-C judgment matrix	Herbaceous plant B2-C judgment matrix	Herbaceous plant B3-C judgment matrix
A B1 B2 B3 B1 1 1/2 1/2 B2 2 1 1/2 B3 2 2 1 $\lambda_{\max}=3.0536$, CR=0.05<0.10	B1 C1 C2 C1 1 1/2 C2 2 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 5 3 C4 1/5 1 1/2 C5 1/3 2 1 $\lambda_{\max}=3.0858$, CR=0.08<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 1/2 1/5 3 1/6 1/3 C7 2 1 1/4 5 1/5 1/2 C8 5 4 1 7 1/2 2 C9 1/3 1/5 1/7 1 1/8 1/6 C10 6 5 2 8 1 4 C11 3 2 1/2 6 1/4 1 $\lambda_{\max}=6.2184$, CR= 0.03<0.10

Table S8 Tree A-B, B-C judgment matrix (Expert 9, from the plant ecological protection industry)

Tree A-B judgment matrix	Tree B1-C judgment matrix	Tree B2-C judgment matrix	Tree B3-C judgment matrix
A B1 B2 B3 B1 1 1/6 1/5 B2 6 1 2 B3 5 1/2 1 $\lambda_{\max}=3.0291$, CR=0.03<0.10	B1 C1 C2 C1 1 1/6 C2 6 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 7 3 C4 1/7 1 1/4 C5 1/3 4 1 $\lambda_{\max}=3.0324$, CR=0.03<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 4 1/6 1/5 6 1/4 C7 1/4 1 1/7 1/6 3 1/5 C8 6 7 1 2 8 5 C9 5 6 1/2 1 7 2 C10 1/5 1/3 1/8 1/7 1 1/6 C11 4 5 1/5 1/2 6 1 $\lambda_{\max}=6.6062$, CR= 0.096<0.10

Shrub A-B judgment matrix	Shrub B1-C judgment matrix	Shrub B2-C judgment matrix	Shrub B3-C judgment matrix
A B1 B2 B3 B1 1 1/6 1/4 B2 6 1 3 B3 4 1/3 1 $\lambda_{\max}=3.0536$, CR=0.05<0.10	B1 C1 C2 C1 1 1/3 C2 3 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 6 3 C4 1/6 1 1/2 C5 1/3 2 1 $\lambda_{\max}=3$, CR= 0<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 1/7 1/5 2 1/6 1/3 C7 7 1 3 9 2 5 C8 5 1/3 1 6 1/2 3 C9 1/2 1/9 1/6 1 1/8 1/4 C10 7 1/2 2 8 1 4 C11 3 1/5 1/3 4 1/4 1 $\lambda_{\max}=6.2146$, CR= 0.03<0.10

Herbaceous plant A-B judgment matrix	Herbaceous plant B1-C judgment matrix	Herbaceous plant B2-C judgment matrix	Herbaceous plant B3-C judgment matrix
A B1 B2 B3 B1 1 3 1/4 B2 1/3 1 1/5 B3 4 5 1 $\lambda_{\max}=3.0858$, CR=0.08<0.10	B1 C1 C2 C1 1 1/7 C2 7 1 $\lambda_{\max}=2$, CR= 0<0.10	B2 C3 C4 C5 C3 1 4 3 C4 1/4 1 1/2 C5 1/3 2 1 $\lambda_{\max}=3.0183$, CR=0.02<0.10	B3 C6 C7 C8 C9 C10 C11 C6 1 1/7 1/5 4 1/6 1/3 C7 7 1 3 8 2 4 C8 5 1/3 1 6 1/2 2 C9 1/4 1/8 1/6 1 1/7 1/5 C10 6 1/2 2 7 1 5 C11 3 1/4 1/2 5 1/5 1 $\lambda_{\max}=3.658$, CR= 0.06<0.10

Table S9 The final weight distribution of the ratings given by 9 experts to the tree matrix

A	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6	Expert 7	Expert 8	Expert 9	Average value
B1	0.1958	0.0964	0.0754	0.0719	0.1998	0.0782	0.1007	0.0974	0.0811	0.1107
B2	0.3108	0.4923	0.6955	0.6491	0.1168	0.1713	0.2255	0.5695	0.5769	0.4232
B3	0.4934	0.4113	0.2290	0.2790	0.6833	0.7504	0.6738	0.3331	0.3420	0.4661
B1	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6	Expert 7	Expert 8	Expert 9	Average value
C1	0.3333	0.1111	0.2500	0.1667	0.1429	0.1111	0.2000	0.1429	0.1429	0.1779
C2	0.6667	0.8889	0.7500	0.8333	0.8571	0.8889	0.8000	0.8571	0.8571	0.8221
B2	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6	Expert 7	Expert 8	Expert 9	Average value
C3	0.6910	0.6612	0.6910	0.1047	0.2872	0.6483	0.1865	0.6370	0.6586	0.5073
C4	0.2176	0.0670	0.2176	0.6370	0.6348	0.1220	0.6870	0.1047	0.0786	0.3074
C5	0.0914	0.2718	0.0914	0.2583	0.0780	0.2297	0.1265	0.2583	0.2628	0.1853
B2	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6	Expert 7	Expert 8	Expert 9	Average value
C6	0.2133	0.1823	0.0559	0.4543	0.2221	0.449	0.1395	0.0472	0.0876	0.2057
C7	0.0710	0.0775	0.3930	0.1340	0.0336	0.0344	0.0336	0.4554	0.0424	0.1417
C8	0.4905	0.0423	0.0355	0.0426	0.0936	0.0848	0.0775	0.0270	0.4234	0.1464
C9	0.1454	0.378	0.0834	0.2735	0.4492	0.2359	0.0488	0.2445	0.2537	0.2347
C10	0.0472	0.0283	0.1729	0.023	0.1448	0.0471	0.2287	0.1417	0.0265	0.0956
C11	0.0327	0.2916	0.2593	0.0726	0.0566	0.1488	0.4719	0.0842	0.1664	0.1760

Table S10 The final weight distribution of the ratings given by 9 experts to the shrub matrix

A	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6	Expert 7	Expert 8	Expert 9	Average value
B1	0.1007	0.0719	0.1095	0.0668	0.1007	0.0936	0.122	0.1396	0.0852	0.0989
B2	0.2255	0.6491	0.5816	0.6406	0.2255	0.2797	0.3196	0.3325	0.6442	0.4331
B3	0.6738	0.279	0.309	0.2926	0.6738	0.6267	0.5584	0.5278	0.2706	0.4680
B1	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6	Expert 7	Expert 8	Expert 9	Average value
C1	0.1667	0.25	0.1667	0.3333	0.1667	0.1667	0.25	0.25	0.25	0.2222
C2	0.8333	0.75	0.8333	0.6667	0.8333	0.8333	0.75	0.75	0.75	0.7778
B2	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6	Expert 7	Expert 8	Expert 9	Average

										value
C3	0.6442	0.687	0.6483	0.1047	0.2255	0.2255	0.2255	0.637	0.6667	0.4516
C4	0.2706	0.1865	0.2297	0.2583	0.6738	0.1007	0.6738	0.1047	0.1111	0.2899
C5	0.0852	0.1265	0.122	0.637	0.1007	0.6738	0.1007	0.2583	0.2222	0.2585

B2	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6	Expert 7	Expert 8	Expert 9	Average value
C6	0.4167	0.1476	0.2381	0.4484	0.1721	0.1591	0.062	0.035	0.0428	0.1913
C7	0.1356	0.0265	0.1508	0.1339	0.0292	0.311	0.0366	0.4579	0.3948	0.1863
C8	0.2931	0.0366	0.0351	0.0513	0.0503	0.081	0.1096	0.133	0.175	0.1072
C9	0.0326	0.08	0.0796	0.2572	0.2487	0.3867	0.1562	0.0746	0.0288	0.1494
C10	0.0732	0.4198	0.0431	0.028	0.4159	0.0261	0.3834	0.2536	0.2726	0.2129
C11	0.0487	0.2895	0.4533	0.0813	0.0837	0.0361	0.2522	0.0459	0.0861	0.1530

Table S11 The final weight distribution of the ratings given by 9 experts to the herbaceous plant matrix

A	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6	Expert 7	Expert 8	Expert 9	Average value
B1	0.0852	0.0936	0.1220	0.1047	0.1571	0.0864	0.1168	0.1958	0.2255	0.1319
B2	0.6442	0.6267	0.5584	0.2583	0.2493	0.6282	0.1998	0.3108	0.1007	0.3974
B3	0.2706	0.2797	0.3196	0.6370	0.5936	0.2854	0.6833	0.4934	0.6738	0.4707

B1	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6	Expert 7	Expert 8	Expert 9	Average value
C1	0.2500	0.2500	0.1429	0.1667	0.2000	0.1429	0.2000	0.3333	0.1250	0.2012
C2	0.7500	0.7500	0.8571	0.8333	0.8000	0.8571	0.8000	0.6667	0.8750	0.7988

B2	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6	Expert 7	Expert 8	Expert 9	Average value
C3	0.2297	0.7103	0.6250	0.1007	0.1172	0.1947	0.1007	0.6267	0.6250	0.3700
C4	0.1220	0.1710	0.2385	0.2255	0.6144	0.0881	0.2255	0.0936	0.1365	0.2128
C5	0.6483	0.1187	0.1365	0.6738	0.2684	0.7172	0.6738	0.2797	0.2385	0.4172

B2	Expert 1	Expert 2	Expert 3	Expert 4	Expert 5	Expert 6	Expert 7	Expert 8	Expert 9	Average value
C6	0.3628	0.1228	0.2425	0.4311	0.4352	0.4612	0.0762	0.0581	0.0514	0.2490
C7	0.2337	0.0319	0.1386	0.0751	0.0341	0.0305	0.1306	0.0924	0.3777	0.1271
C8	0.0669	0.4479	0.0800	0.2572	0.0531	0.277	0.0333	0.2612	0.1647	0.1824
C9	0.2171	0.0522	0.0236	0.0586	0.1324	0.1134	0.0481	0.0290	0.0274	0.0780
C10	0.0316	0.2551	0.0390	0.0296	0.0872	0.0711	0.2458	0.4125	0.2810	0.1614
C11	0.088	0.0900	0.4763	0.1483	0.2579	0.0468	0.4661	0.1469	0.0977	0.2020