

Figure S1. Jackknife test of the importance of variables. Blue, green, and red bars represent running the MaxEnt model with the variable alone, without the variable, and with all variables, respectively. (A): regularization training gain; (B): test gain; (C): AUC.

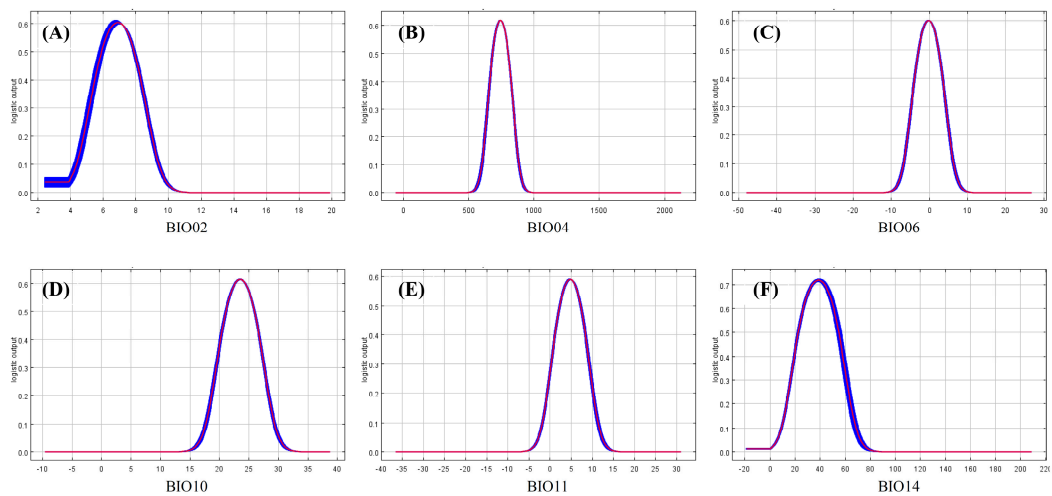


Figure S2. Response curves of six environmental predictors used in the ecological niche model for *Coptis chinensis*.

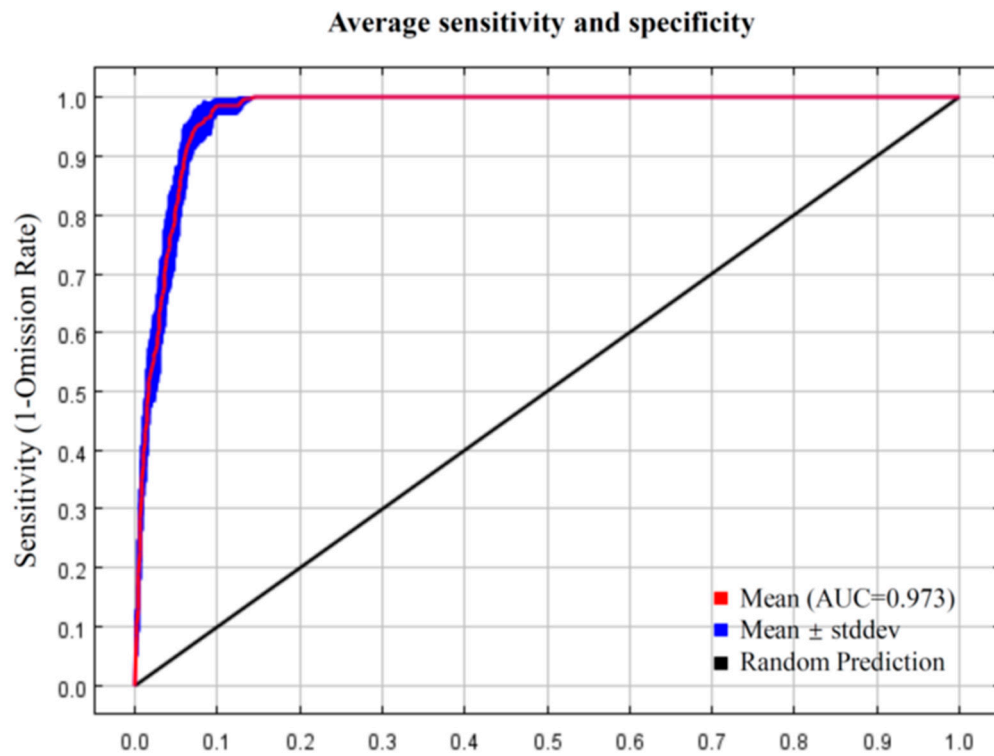


Figure S3. Prediction validation with receiver operator characteristic (ROC) curves using the MaxEnt model. AUC: the area under curve.

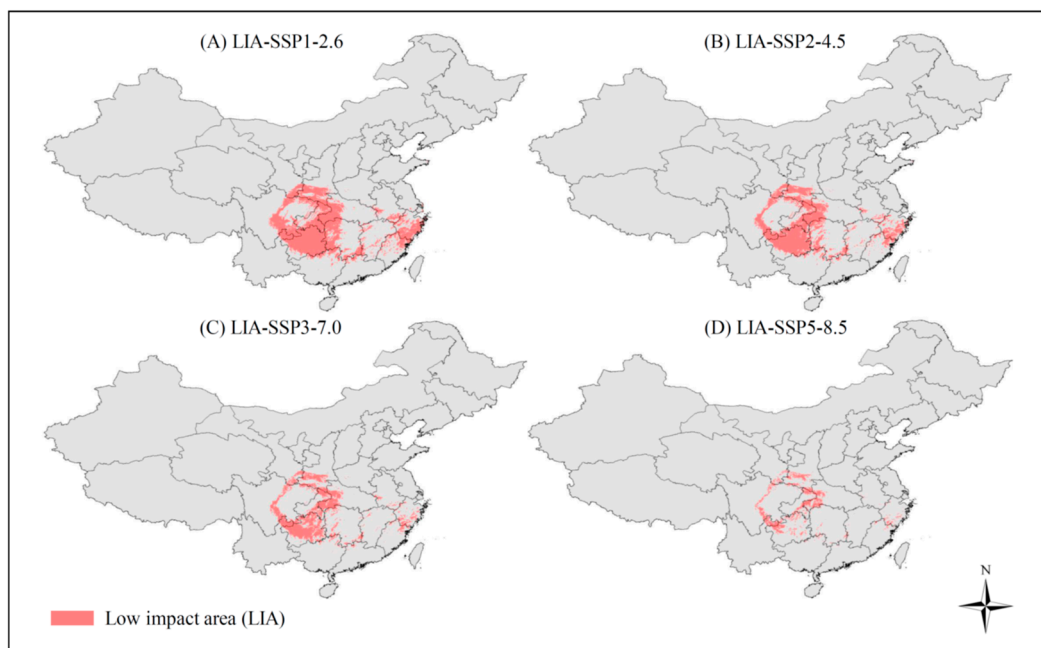


Figure S4. Low impact area of *Coptis chinensis* under four shared socio-economic pathways (SSP1-2.6, SSP2-4.5, SSP3-7.0 and SSP5-8.5).

Table S1. The rarefying data points (136) of *Coptis chinensis* in China.

Species	Lon*	Lat*	Species	Lon*	Lat*	Species	Lon*	Lat*
<i>Coptis chinensis</i>	102.7292	30.0208	<i>Coptis chinensis</i>	107.9792	26.6042	<i>Coptis chinensis</i>	110.5625	26.4375
<i>Coptis chinensis</i>	102.8125	30.3958	<i>Coptis chinensis</i>	107.9792	29.6458	<i>Coptis chinensis</i>	110.7292	31.7292
<i>Coptis chinensis</i>	102.9375	29.6458	<i>Coptis chinensis</i>	108.1458	29.6458	<i>Coptis chinensis</i>	111.4375	25.8542
<i>Coptis chinensis</i>	102.9792	29.7708	<i>Coptis chinensis</i>	108.2292	26.3958	<i>Coptis chinensis</i>	111.6458	28.1458
<i>Coptis chinensis</i>	103.0208	29.7708	<i>Coptis chinensis</i>	108.2708	24.8125	<i>Coptis chinensis</i>	111.9375	26.0625
<i>Coptis chinensis</i>	103.1042	29.6458	<i>Coptis chinensis</i>	108.2708	26.3542	<i>Coptis chinensis</i>	112.0208	25.2708
<i>Coptis chinensis</i>	103.1042	29.7708	<i>Coptis chinensis</i>	108.2708	32.6875	<i>Coptis chinensis</i>	112.9375	24.9375
<i>Coptis chinensis</i>	103.1458	29.7292	<i>Coptis chinensis</i>	108.3125	28.8125	<i>Coptis chinensis</i>	112.9792	24.9792
<i>Coptis chinensis</i>	103.1875	30.0208	<i>Coptis chinensis</i>	108.3958	30.2292	<i>Coptis chinensis</i>	113.0208	24.9375
<i>Coptis chinensis</i>	103.2292	30.4792	<i>Coptis chinensis</i>	108.4375	27.0625	<i>Coptis chinensis</i>	113.7292	25.3125
<i>Coptis chinensis</i>	103.3125	30.4792	<i>Coptis chinensis</i>	108.6042	28.8958	<i>Coptis chinensis</i>	114.0208	27.3958
<i>Coptis chinensis</i>	103.3542	29.5625	<i>Coptis chinensis</i>	108.6458	27.8958	<i>Coptis chinensis</i>	114.0625	26.2708
<i>Coptis chinensis</i>	103.3958	29.5625	<i>Coptis chinensis</i>	108.6458	31.4792	<i>Coptis chinensis</i>	114.1042	26.5625
<i>Coptis chinensis</i>	105.4792	28.2708	<i>Coptis chinensis</i>	108.6875	27.9375	<i>Coptis chinensis</i>	114.1875	26.5625
<i>Coptis chinensis</i>	105.5208	32.2292	<i>Coptis chinensis</i>	108.7292	25.2292	<i>Coptis chinensis</i>	114.1875	27.4375
<i>Coptis chinensis</i>	105.5625	28.3125	<i>Coptis chinensis</i>	108.7292	29.2292	<i>Coptis chinensis</i>	114.2292	26.2708
<i>Coptis chinensis</i>	105.7292	27.1875	<i>Coptis chinensis</i>	108.7292	32.2708	<i>Coptis chinensis</i>	114.3125	26.7708
<i>Coptis chinensis</i>	105.8125	27.9375	<i>Coptis chinensis</i>	108.7708	31.6458	<i>Coptis chinensis</i>	114.3125	27.6042
<i>Coptis chinensis</i>	105.8542	28.8125	<i>Coptis chinensis</i>	108.8542	25.2708	<i>Coptis chinensis</i>	114.4375	26.3542
<i>Coptis chinensis</i>	106.0208	29.2708	<i>Coptis chinensis</i>	108.8958	32.3125	<i>Coptis chinensis</i>	114.5625	29.0208
<i>Coptis chinensis</i>	106.1042	25.7292	<i>Coptis chinensis</i>	109.0208	28.4375	<i>Coptis chinensis</i>	115.8125	25.0208
<i>Coptis chinensis</i>	106.1458	28.4792	<i>Coptis chinensis</i>	109.0208	29.1458	<i>Coptis chinensis</i>	115.9375	29.5625
<i>Coptis chinensis</i>	106.1458	30.0208	<i>Coptis chinensis</i>	109.0208	32.2292	<i>Coptis chinensis</i>	116.4792	26.6042
<i>Coptis chinensis</i>	106.1458	31.0208	<i>Coptis chinensis</i>	109.1042	30.1458	<i>Coptis chinensis</i>	116.7292	26.9375
<i>Coptis chinensis</i>	106.1458	32.0208	<i>Coptis chinensis</i>	109.1458	29.0625	<i>Coptis chinensis</i>	116.8958	27.2708
<i>Coptis chinensis</i>	106.1458	33.0208	<i>Coptis chinensis</i>	109.2708	25.0625	<i>Coptis chinensis</i>	117.5625	25.9375
<i>Coptis chinensis</i>	106.1875	28.3958	<i>Coptis chinensis</i>	109.3958	30.9375	<i>Coptis chinensis</i>	117.6458	27.5625
<i>Coptis chinensis</i>	106.3958	28.6042	<i>Coptis chinensis</i>	109.5625	31.3958	<i>Coptis chinensis</i>	117.8125	28.0208
<i>Coptis chinensis</i>	106.4792	32.8125	<i>Coptis chinensis</i>	109.5625	32.1042	<i>Coptis chinensis</i>	117.8125	30.4792
<i>Coptis chinensis</i>	106.7708	25.6875	<i>Coptis chinensis</i>	109.6875	29.5625	<i>Coptis chinensis</i>	118.0625	28.8958
<i>Coptis chinensis</i>	106.7708	27.9792	<i>Coptis chinensis</i>	109.7708	27.2708	<i>Coptis chinensis</i>	118.0625	29.5625
<i>Coptis chinensis</i>	106.8125	29.2708	<i>Coptis chinensis</i>	109.8125	29.6875	<i>Coptis chinensis</i>	118.1458	29.1875
<i>Coptis chinensis</i>	106.8542	26.0208	<i>Coptis chinensis</i>	109.8125	32.0625	<i>Coptis chinensis</i>	118.1458	30.0625
<i>Coptis chinensis</i>	107.0208	26.5625	<i>Coptis chinensis</i>	109.9375	25.5208	<i>Coptis chinensis</i>	118.1458	30.1875
<i>Coptis chinensis</i>	107.1042	29.1458	<i>Coptis chinensis</i>	110.0208	25.8125	<i>Coptis chinensis</i>	118.1458	30.2292
<i>Coptis chinensis</i>	107.1458	28.3125	<i>Coptis chinensis</i>	110.0208	26.3542	<i>Coptis chinensis</i>	118.1875	30.1458
<i>Coptis chinensis</i>	107.1458	29.0625	<i>Coptis chinensis</i>	110.0208	26.3958	<i>Coptis chinensis</i>	119.0625	26.3125
<i>Coptis chinensis</i>	107.3958	26.8542	<i>Coptis chinensis</i>	110.0208	29.6875	<i>Coptis chinensis</i>	119.1042	28.4375
<i>Coptis chinensis</i>	107.3958	28.1875	<i>Coptis chinensis</i>	110.0625	28.6875	<i>Coptis chinensis</i>	119.1042	29.4375
<i>Coptis chinensis</i>	107.3958	34.0625	<i>Coptis chinensis</i>	110.0625	31.2708	<i>Coptis chinensis</i>	119.3125	25.8542
<i>Coptis chinensis</i>	107.4375	29.1458	<i>Coptis chinensis</i>	110.1042	28.9375	<i>Coptis chinensis</i>	119.6875	27.7292
<i>Coptis chinensis</i>	107.4375	29.2292	<i>Coptis chinensis</i>	110.3125	31.3958	<i>Coptis chinensis</i>	120.1042	30.2708
<i>Coptis chinensis</i>	107.6042	29.1042	<i>Coptis chinensis</i>	110.4375	25.8542	<i>Coptis chinensis</i>	120.4792	27.6875
<i>Coptis chinensis</i>	107.6875	29.6042	<i>Coptis chinensis</i>	110.4375	29.3125	<i>Coptis chinensis</i>	121.0208	29.2708
<i>Coptis chinensis</i>	107.6875	29.6458	<i>Coptis chinensis</i>	110.5208	29.6458	<i>Coptis chinensis</i>	98.8542	26.9375
<i>Coptis chinensis</i>	107.7292	29.5208						

* Lon = Longitude (° E), Lat = Latitude (° N).