

Distribution Pattern of Suitable Areas and Corridor Identification of Endangered *Ephedra* Species in China

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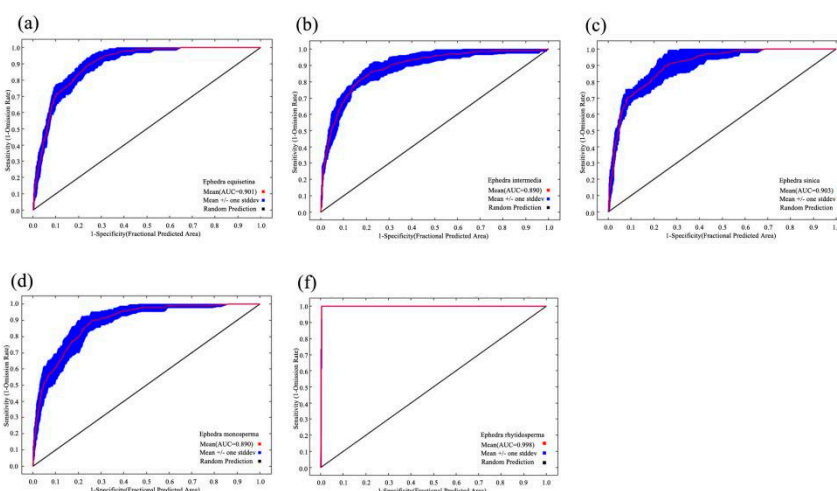


Figure S1. AUC training values for *E. equisetina* (a), *E. intermedia* (b), *E. sinica* (c), *E. monosperma* (d), and *E. rhytidosperra* (f).

Table S1. Spatial distribution of suitable areas changes of *E. equisetina*, *E. intermedia*, *E. sinica*, *E. monosperma*, and *E. rhytidosperra* under future climate scenarios.

Species	Scenarios	Generally Suitable Area/ $\times 10^4 \text{ km}^2$ /	Moderately Suitable Area/ $\times 10^4 \text{ km}^2$ /	Highly Suitable Area/ $\times 10^4 \text{ km}^2$ /	Total Suitable Area/ $\times 10^4 \text{ km}^2$ /
		Increase or Decrease/ $\times 10^4 \text{ km}^2$ /	Increase or Decrease/ $\times 10^4 \text{ km}^2$ /	Increase or Decrease/ $\times 10^4 \text{ km}^2$ /	Increase or Decrease/ $\times 10^4 \text{ km}^2$ /
<i>E. equisetina</i>	Current climate	107.90	47.29	16.40	171.59
	2050s, SSP126	106.59/−1.31/	60.88/13.59/	24.19/7.79/	191.66/20.07/
		−1.21	28.74	47.5	11.70
	2050s, SSP370	110.48/2.58/	60.33/13.04/	24.82/8.42/	195.63/24.04/
		2.39	27.57	51.34	14.01
	2050s, SSP585	110.62/2.72/	65.35/18.06/	27.01/10.7/	202.98/31.39/
		2.52	38.19	65.24	18.29

	2090s, SSP126	110.07/2.17/ 2.01	61.51/14.22/ 30.07	24.39/7.99/ 48.72	195.97/24.38/ 14.21
	2090s, SSP370	123.92/16.02/ 14.85	75.33/28.04/ 59.29	29.36/12.96/ 79.02	228.61/57.02/ 33.23
	2090s, SSP585	127.93/20.03/ 18.56	85.86/38.57/ 81.56	45.52/29.12/ 177.56	259.31/87.72/ 51.12
<i>E. intermedia</i>	Current climate	93.70	43.34	17.62	154.66
	2050s, SSP126	110.38/16.68/ 17.80	48.70/5.36/ 12.37	17.16/−0.46/ −2.61	176.24/21.58/ 13.95
	2050s, SSP370	98.22/4.52/ 4.82	46.95/3.61/ 8.33	42.65/25.03/ 142.05	187.82/33.16/ 21.44
	2050s, SSP585	103.88/10.18/ 10.86	43.39/0.05/ 0.11	17.53/−0.09/ −0.51	164.81/10.15/ 6.56
	2090s, SSP126	99.58/5.88/ 6.28	43.83/0.49/ 1.13	18.22/0.60/ 3.41	161.63/6.97/ 4.51
	2090s, SSP370	114.15/20.45/ 21.82	52.10/8.76/ 20.21	22.66/5.04/ 28.60	188.91/34.25/ 22.15
	2090s, SSP585	128.61/34.91/ 37.26	66.08/22.74/ 52.47	32.59/14.97/ 84.96	227.29/72.63/ 46.96
	Current climate	89.77	50.84	14.11	154.72
<i>E. sinica</i>	2050s, SSP126	85.67/−4.10/ −4.57	47.02/−3.82/ −7.51	42.80/28.69/ 203.33	175.49/20.77/ 13.42
	2050s, SSP370	98.78/9.01/ 10.03	51.69/0.85/ 1.67	13.53/−0.58/ −4.11	164.01/9.29/ 6.00
	2050s, SSP585	97.61/7.84/ 8.73	46.82/−4.02/ −7.91	13.14/−0.97/ −6.87	157.58/2.86/ 1.84
	2090s, SSP126	99.41/9.64/ 10.74	50.25/−0.59/ −1.16	11.73/−2.38/ −16.87	161.39/6.67/ 4.31
	2090s, SSP370	106.04/16.27/ 18.12	50.14/−0.70/ −1.38	19.62/5.51/ 39.05	175.81/21.09/ 13.63
	2090s, SSP585	112.40/22.63/ 25.21	54.44/−0.40/ −0.79	18.22/4.11/ 29.13	185.06/30.34/ 19.61
	Current climate	124.43	34.16	3.05	161.64
	2050s, SSP126	110.77/−13.6/−10.98	30.05/−4.11/ −12.03	3.57/0.52/ 17.05	144.39/−17.25/ −10.67
<i>E. monosperma</i>	2050s, SSP370	112.71/−11.7/−9.42	31.66/−2.50/ −7.32	3.48/0.43/ 14.10	147.84/−13.80/ −8.54
	2050s, SSP585	105.33/−19.1/−15.35	31.75/−2.41/ −7.06	4.49/1.44/ 47.21	141.57/−20.07 −12.42
	2090s, SSP126	113.76/−10.6/−8.58	28.96/−5.20/ −15.22	3.29/0.24/ 7.87	146.01/−15.63/ −9.67
	2090s, SSP370	115.75/−8.68/ −6.97	31.29/−2.87/ −8.40	4.10/1.05/ 32.43	151.14/−10.50/ −6.50
	2090s, SSP585	107.83/−16.6/ −13.34	32.25/−1.91/ −5.59	4.34/1.29/ 42.30	144.42/−17.22/ −10.65
	Current climate	1.79	2.05	0.64	4.48
<i>E. rhytidosperma</i>	2050s, SSP126	0.00/−1.79/ −100.00	0.00/−2.05/ −100.00	0.00/−0.64/ −100.00	0.00/−4.48/ −100.00
	2050s, SSP370	0.00/−1.79/ −100.00	0.00/−2.05/ −100.00	0.00/−0.64/ −100.00	0.00/−4.48/ −100.00
	2050s, SSP585	0.00/−1.79/ −100.00	0.00/−2.05/ −100.00	0.00/−0.64/ −100.00	0.00/−4.48/ −100.00
	2090s, SSP126	0.00/−1.79/ −100.00	0.00/−2.05/ −100.00	0.00/−0.64/ −100.00	0.00/−4.48/ −100.00
	2090s, SSP370	0.00/−1.79/ −100.00	0.00/−2.05/ −100.00	0.00/−0.64/ −100.00	0.00/−4.48/ −100.00
	2090s, SSP585	0.00/−1.79/ −100.00	0.00/−2.05/ −100.00	0.00/−0.64/ −100.00	0.00/−4.48/ −100.00
	Current climate	1.79	2.05	0.64	4.48
	2050s, SSP126	0.00/−1.79/ −100.00	0.00/−2.05/ −100.00	0.00/−0.64/ −100.00	0.00/−4.48/ −100.00

Table S2. Ecological source coordinates of endangered *Ephedra* species.

Species	Coordinates of Ecological Sources	Location
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<i>E. equisetina</i> (9)	37.97N, 106.31E	Liangzhou district, Gansu Province
	36.36N, 106.15E	Yongdeng County, Gansu Province
	36.51N, 107.13E	Jingyuan County, Gansu Province
	37.54N, 106.12E	Hongsi Pu District, Ningxia
	38.91N, 107.25E	Etoke Banner, Inner Mongolia
	37.08N, 109.68E	Zichang City, Shaanxi Province
	34.89N, 109.74E	Pucheng County, Shaanxi Province
	37.40N, 112.23E	Wenshui County, Shanxi Province
<i>E. intermedia</i> (7)	36.24N, 112.82E	Zhangzi County, Shanxi Province
	37.97N, 102.58E	Liangzhou district, Gansu Province
	36.50N, 102.71E	Ledu District, Qinghai Province
	35.31N, 104.08E	Lintao County, Gansu Province
	36.14N, 104.50E	Yuzhong County, Gansu Province
	36.63N, 105.71E	Haiyuan County, Ningxia
	35.87N, 106.60E	Pengyang County, Ningxia
	36.87N, 108.09E	Wuqi County, Shaanxi Province
<i>E. sinica</i> (9)	38.76N, 108.52E	Uxin Banner, Inner Mongolia
	41.98N, 111.90E	Siziwang Banner, Inner Mongolia
	40.59N, 111.65E	Tumd East Banner, Inner Mongolia
	39.68N, 113.14E	Ying County, Shanxi Province
	38.12N, 112.97E	Meng County, Shanxi Province
	38.52N, 114.67E	Quyang County, Hebei Province
	41.50N, 114.13E	Shangyi County, Hebei Province
	42.51N, 119.03E	Wengniute Banner, Inner Mongolia
<i>E. monosperma</i> (8)	43.92N, 120.12E	Ar Horqin Banner, Inner Mongolia
	37.24N, 100.54E	Haiyan County, Qinghai Province
	36.77N, 101.03E	Hangyuan County, Qinghai Province
	36.90N, 101.71E	Datong Hui and Tu Autonomous County, Qinghai Province
	35.24N, 100.72E	Tongde County, Qinghai Province
	34.90N, 101.50E	Zeku County, Qinghai Province
	35.53N, 100.72E	Tongren City, Qinghai Province
	34.88N, 102.87E	Xiahe County, Gansu Province
<i>E. rhytidosperma</i> (8)	33.64N, 102.55E	Ruoergui County, Sichuan Province
	37.17N, 104.10E	Jingtai County, Gansu Province
	36.89N, 104.31E	Jingtai County, Gansu Province
	36.72N, 104.54E	Jingyuan County, Gansu Province
	37.30N, 104.72E	Shapotou District, Ningxia
	37.37N, 105.49E	Shapotou District, Ningxia
	37.43N, 105.90E	Hongsi Pu District, Ningxia
	38.14N, 105.98E	Qingtongxia City, Ningxia
	39.20N, 106.64E	Huinong District, Ningxia