

Supplementary Table S1. Environmental predictors used in the MaxEnt species distribution model (SDM) for *Aegle marmelos* from the studied locality.

Name of Variable & Description	Code	Unit	Resolution	Database
Annual Mean Temperature	Bio1	°C	30 arc s	WorldClim
Mean Diurnal Range	Bio2	°C	30 arc s	WorldClim
Isothermality (Bio2/Bio7) (×100)	Bio3	Percent	30 arc s	WorldClim
Temperature Seasonality (sd ×100)	Bio4	°C	30 arc s	WorldClim
Max. Temperature of Warmest Month	Bio5	°C	30 arc s	WorldClim
Min. Temperature of Coldest Month	Bio6	°C	30 arc s	WorldClim
Temperature Annual Range	Bio7	°C	30 arc s	WorldClim
Mean Temperature of Wettest Quarter	Bio8	°C	30 arc s	WorldClim
Mean Temperature of Driest Quarter	Bio9	°C	30 arc s	WorldClim
Mean Temperature of Warmest Quarter	Bio10	°C	30 arc s	WorldClim
Mean Temperature of Coldest Quarter	Bio11	°C	30 arc s	WorldClim
Annual Precipitation	Bio12	Mm	30 arc s	WorldClim
Precipitation of Wettest Month	Bio13	Mm	30 arc s	WorldClim
Precipitation of Driest Month	Bio14	Mm	30 arc s	WorldClim
Precipitation Seasonality (CV)	Bio15	Percent	30 arc s	WorldClim
Precipitation of Wettest Quarter	Bio16	Mm	30 arc s	WorldClim
Precipitation of Driest Quarter	Bio17	Mm	30 arc s	WorldClim
Precipitation of Warmest Quarter	Bio18	Mm	30 arc s	WorldClim
Precipitation of Coldest Quarter	Bio19	Mm	30 arc s	WorldClim
Bulk Density	Bdod	cg/cm3	30 arc s	SoilGrids
Cations Exchange Capacity (pH: 7)	Cec	mmol(c)/kg	30 arc s	SoilGrids
Volumetric fraction of coarse fragments (>2 mm)	Cfvo	cm3/dm3	30 arc s	SoilGrids
Clay Contents	Clay	g/kg	30 arc s	SoilGrids
Total Nitrogen	Nitrogen	cg/kg	30 arc s	SoilGrids
Organic Carbon Density	Ocd	hg/dm3	30 arc s	SoilGrids
Soil pH × 10	Phh2o	Nil	30 arc s	SoilGrids
Sand Contents	Sand	g/kg	30 arc s	SoilGrids
Silt Contents	Silt	g/kg	30 arc s	SoilGrids
Soil Organic Carbon	Soc	dg/kg	30 arc s	SoilGrids
Land cover	LC	Nil	30 arc s	http://www-modis.bu.edu/landcover

Population density	PD	Nil	30 arc s	http://www.ornl.gov/sci/landscan
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Supplementary Table S2. Species Presence locations

Location	Latitude	Longitude
1	32.18668	74.79575
2	31.94314	74.09289
3	31.29426	74.08727
4	31.02218	74.30835
5	30.93083	74.27167
6	31.16132	73.68721
7	30.76193	73.79264
8	30.57895	73.7373
9	31.17339	73.26557
10	30.85688	72.77072
11	30.31223	72.96661
12	31.02579	72.28182
13	31.87844	72.4364
14	31.10284	71.66724
15	32.26249	72.37295
16	32.87688	72.80967
17	33.34642	71.70327
18	32.58604	70.91163
19	31.27063	70.90184
20	30.38961	71.1155
21	29.74259	71.40743
22	29.34908	71.38498
23	29.45281	70.51144
24	28.82623	70.07085
25	31.11491	72.9826
26	30.50253	73.22134
27	31.34549	73.24211
28	31.92669	73.74301
29	32.5228	72.60392
30	29.74353	73.05392
31	30.89909	72.04649
32	31.57814	70.15241

33	28.18322	69.35256
34	28.21894	68.44382
35	27.83326	68.20825
36	27.37089	68.38957
37	28.48465	69.96445
38	29.08408	71.50096
39	32.40503	73.70629
40	33.23443	72.11135
41	33.80122	71.44721
42	33.81252	72.71209
43	33.65246	73.34578