

Short Communication

Distribution, status, and conservation of *Camellia changii* Ye (Theaceae), a Critically Endangered plant endemic to southern China

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PLATE S1 A cultivated plant (a), flower (b), and fruit (c) of *Camellia changii* Ye.

TABLE S1 Plant community composition (commonest species only) of the location in Erhuangzhang Nature Reserve in Guangdong province (Fig. 1), in the location where *C. changii* occurs. The survey quadrat size was 3,000 m² for trees, 300 m² for shrubs, and 30 m² for herbs. The density of *C. changii* is of those individuals found in the survey quadrats.

Species	Density (individuals per 1,000m ²)
Trees	
<i>Gordonia axillaries</i>	9
<i>Ormosia emarginata</i>	4
<i>Acronychia pedunculata</i>	3
<i>Sinosideroxylon wightianum</i>	5
<i>Carallia brachiata</i>	5
<i>Schima remotiserrata</i>	2
<i>Garcinia multiflora</i>	3
<i>Schefflera heptaphylla</i>	6
<i>Cyclobalanopsis myrsinifolia</i>	2
<i>Lithocarpus glaucus</i>	2
<i>Schima superba</i>	7
<i>Podocarpus neriifolius</i>	4
<i>Syzygium buxifolium</i>	3
<i>Homalium cochinchinense</i>	2
<i>Itea chinensis</i>	4
<i>Diospyros vaccinioides</i>	3
<i>Sterculia lanceolata</i>	3
<i>Canthium dicoccum</i>	2
<i>Ficus variolosa</i>	2
<i>C. changii</i>	108
Shrubs	
<i>Psychotria rubra</i>	77
<i>Breynia fruticosa</i>	1,427
<i>Raphiolepis salicifolia</i>	340
<i>Phyllanthuscochinchinensis</i>	307
<i>Indocalamus tessellatus</i>	77
<i>Rhodomvrtus tomentosa</i>	1,040
<i>Ardisia quinqueгона</i>	53
<i>Strophanthus divaricatus</i>	50
<i>Euonymus nitidus</i>	40
<i>Litsea rotundifolia</i>	90
<i>Itea yangchunensis</i>	37
Vines	
<i>Tetracera asiatica</i>	60
<i>Millettia dielsiana</i>	20
<i>Bauhinia corymbosa</i>	17
<i>Smilax hypoglauca</i>	17
Herbs	
<i>Dicranopteris pedata</i>	13,400
<i>Arundina graminifolia</i>	2,600
<i>Lepidosperma chinense</i>	1,500
<i>Blechnum orientale</i>	1,300

TABLE S2 Distribution of soil particles by size in Erhuangzhang Nature Reserve in Guangdong province (Fig. 1), in the location where *Camellia changii* Ye occurs.

Particle size (mm)	Mean % \pm SD
>2	0
2–1	19.9 \pm 1.2
1–0.5	27.1 \pm 1.5
0.5–0.25	12.5 \pm 0.3
0.25–0.05	12.3 \pm 1.8
0.05–0.02	8.1 \pm 0.1
<0.02	25.1 \pm 1.2

TABLE S3 Soil physical and chemical characteristics in Erhuangzhang Nature Reserve in Guangdong province (Fig. 1), in the location where *C. changii* occurs.

Property	Mean \pm SD
Soil bulk density (g cm ⁻³)	1.13 \pm 0.22
Soil water content (g per g of dry soil)	0.13 \pm 0.03%
pH	5.04 \pm 0.34
Organic matter (g kg ⁻¹)	31.8 \pm 1.4
Available phosphorus (g kg ⁻¹)	1.2 \pm 0.5
Potassium (g kg ⁻¹)	58.3 \pm 10.1
Nitrogen (g kg ⁻¹)	42.3 \pm 15.6