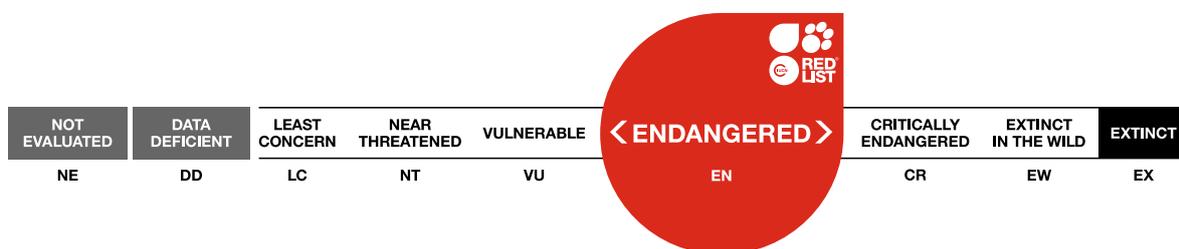




## *Goniothalamus wightii*

Assessment by: Verspagen, N., Erkens, R.H.J., Amitha Bachan, K.H. & Devika, M.A.



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## Taxonomy

Kingdom	Phylum	Class	Order	Family
Plantae	Tracheophyta	Magnoliopsida	Magnoliales	Annonaceae

**Scientific Name:** *Goniothalamus wightii* Hook.f. & Thomson

### Taxonomic Source(s):

Board of Trustees, RBG Kew. 2020. Plants of the World Online Portal. Richmond, UK Available at: <http://www.plantsoftheworldonline.org>.

## Assessment Information

**Red List Category & Criteria:** Endangered B1ab(iii)+2ab(iii) [ver 3.1](#)

**Year Published:** 2022

**Date Assessed:** June 25, 2020

### Justification:

*Goniothalamus wightii* is a shrub or small tree species endemic to India. The extent of occurrence (EOO) is calculated at 3,572 km<sup>2</sup> and the area of occupancy (AOO) is 20 km<sup>2</sup> and is only known from five locations. It occurs in high elevation evergreen forests. The main threats to this species' habitat are conversion to monoculture forest plantations and agriculture. It is assessed as Endangered.

## Geographic Range

### Range Description:

This species occurs in India (Board of Trustees 2020).

### Country Occurrence:

**Native, Extant (resident):** India

# Distribution Map



Legend  
■ EXTANT (RESIDENT)

Compiled by:  
 GTA 2021



The boundaries and names shown and the data here are used on this map do not imply any official endorsement, acceptance or opinion by IUCN.

## Population

The population size and trend for this species are currently unknown.

**Current Population Trend:** Unknown

## Habitat and Ecology (see Appendix for additional information)

*Goniothalamus wightii* is a shrub or small tree species that occurs in high elevation evergreen forests 1,000–1,400 m.

**Systems:** Terrestrial

## Threats (see Appendix for additional information)

Habitat loss because of forest cover loss is a possible threat for all species of *Goniothalamus* (Hansen *et al.* 2013). The main threats to this species' habitat are conversion to monoculture forest plantations and agriculture.

## Conservation Actions (see Appendix for additional information)

No specific conservation actions are currently undertaken.

## Credits

**Assessor(s):** Verspagen, N., Erkens, R.H.J., Amitha Bachan, K.H. & Devika, M.A.

**Reviewer(s):** Hills, R.

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Hansen, M.C., Potapov, P.V., Moore, R., Hancher, M., Turubanova, S.A., Tyukavina, A., Thau, D., Stehman, S.V., Goetz, S.J., Loveland, T.R., Kommareddy, A., Egorov, A., Chini, L., Justice, C.O. and Townshend, J.R.G. 2013. High-resolution global maps of 21st-century forest cover change. *Science* 342: 850-853.

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## External Resources

For [Supplementary Material](#), and for [Images and External Links to Additional Information](#), please see the Red List website.

## Appendix

### Habitats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Habitat	Season	Suitability	Major Importance?
1. Forest -> 1.9. Forest - Subtropical/Tropical Moist Montane	Resident	Suitable	-

### Plant Growth Forms

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Plant Growth Form
SL. Shrub - large
TS. Tree - small

### Threats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Threat	Timing	Scope	Severity	Impact Score
2. Agriculture & aquaculture -> 2.1. Annual & perennial non-timber crops -> 2.1.2. Small-holder farming	Ongoing	Unknown	Unknown	Unknown
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality 2. Species Stresses -> 2.2. Species disturbance		
2. Agriculture & aquaculture -> 2.2. Wood & pulp plantations -> 2.2.3. Scale Unknown/Unrecorded	Ongoing	Unknown	Unknown	Unknown
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality 2. Species Stresses -> 2.2. Species disturbance		

### Conservation Actions in Place

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Conservation Action in Place
In-place land/water protection
Occurs in at least one protected area: Yes

### Research Needed

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

<b>Research Needed</b>
1. Research -> 1.2. Population size, distribution & trends
1. Research -> 1.5. Threats

## Additional Data Fields

<b>Distribution</b>
Estimated area of occupancy (AOO) (km <sup>2</sup> ): 20
Extreme fluctuations in area of occupancy (AOO): No
Estimated extent of occurrence (EOO) (km <sup>2</sup> ): 3572
Extreme fluctuations in extent of occurrence (EOO): No
Number of Locations: 5
<b>Habitats and Ecology</b>
Continuing decline in area, extent and/or quality of habitat: Yes

## The IUCN Red List Partnership



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