



Goniothalamus rhynchantherus

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Plantae	Tracheophyta	Magnoliopsida	Magnoliales	Annonaceae

Scientific Name: *Goniothalamus rhynchantherus* Dunn

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: Vulnerable B1ab(iii)+2ab(iii) [ver 3.1](#)

Year Published: 2022

Date Assessed: June 25, 2020

Justification:

Goniothalamus rhynchantherus is a tree species endemic to India. It has a restricted distribution with an extent of occurrence (EOO) of 2,283 km² and an area of occupancy (AOO) of 32 km². It is only known from seven locations within three adjacent landscape subunits in the southern Western Ghats. Its lowland forest habitat is threatened by fires, the establishment of commercial forest and non-forest plantations, dams and reservoirs and cutting for fuel wood. It is assessed as Vulnerable.

Previously Published Red List Assessments

1998 – Endangered (EN)

<https://dx.doi.org/10.2305/IUCN.UK.1998.RLTS.T32856A9736667.en>

1998 – Rare (R)

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)

A small tree species, 5–8 m in height, that occurs in medium elevation wet evergreen forests between 600 and 1,200 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). Large areas of this species' range have been exposed to fires, the establishment of commercial forest and non-forest plantations, dams and reservoirs and cutting for fuel wood.

Conservation Actions

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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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 -> 1.6. Forest - Subtropical/Tropical Moist Lowland	Resident	Suitable	-

Plant Growth Forms

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

Plant Growth Form
TS. Tree - small

Threats

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

Threat	Timing	Scope	Severity	Impact Score
2. Agriculture & aquaculture -> 2.2. Wood & pulp plantations -> 2.2.2. Agro-industry plantations	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		
5. Biological resource use -> 5.3. Logging & wood harvesting -> 5.3.3. Unintentional effects: (subsistence/small scale) [harvest]	Ongoing	Unknown	Unknown	Unknown
	Stresses:	2. Species Stresses -> 2.1. Species mortality 2. Species Stresses -> 2.2. Species disturbance		
7. Natural system modifications -> 7.1. Fire & fire suppression -> 7.1.3. Trend Unknown/Unrecorded	Ongoing	Unknown	Unknown	Unknown
	Stresses:	2. Species Stresses -> 2.1. Species mortality 2. Species Stresses -> 2.2. Species disturbance		
7. Natural system modifications -> 7.2. Dams & water management/use -> 7.2.10. Large dams	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		

Research Needed

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

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

Additional Data Fields

Distribution
Estimated area of occupancy (AOO) (km ²): 32
Extreme fluctuations in area of occupancy (AOO): No
Estimated extent of occurrence (EOO) (km ²): 2283
Extreme fluctuations in extent of occurrence (EOO): No
Number of Locations: 7
Lower elevation limit (m): 600
Upper elevation limit (m): 1,200
Habitats and Ecology
Continuing decline in area, extent and/or quality of habitat: Yes

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