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Guardians of Rarity: Exploring the Rare and Endangered Succulents of India
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India is home to several rare and endangered succulent species, many of which face threats due to habitat loss, illegal collection, and climate change. Here are some notable rare and endangered succulents found in India:

Indian Pipe Plant (*Monotropastrum humile*):

Indigenous to: The Western Ghats of India.

Status: Critically Endangered.

Notable Features: This unusual succulent lacks chlorophyll, giving it a pale appearance. It relies on a mycorrhizal association with fungi for sustenance.

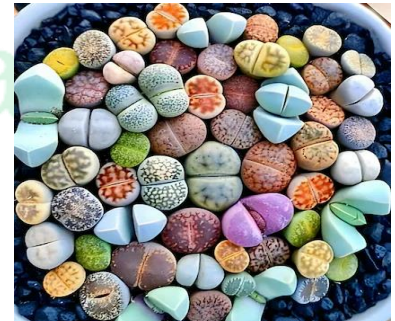


Lithops (*Lithops spp.*):

Indigenous to: Parts of India.

Status: Vulnerable.

Notable Features: Lithops are small, mimicry succulents that resemble pebbles or stones. Collectors highly prize them.



Arabidopsis thaliana:

Indigenous to: The Western Himalayas.

Status: Critically Endangered.

Notable Features: This succulent is known for its role in scientific research, particularly in genetics and molecular biology.



Astroloba (Astroloba spp.):

Indigenous to: South India.

Status: Vulnerable.

Notable Features: Astrolobas are rosette-forming succulents with spiky leaves. They are found in rocky areas and grasslands.



Titanopsis (Titanopsis spp.):

Indigenous to: The Western Ghats of India.

Notable Features: Titanopsis are small, mimicry succulents that blend in with rocky environments.



Haworthia marumiana:

Indigenous to: The Western Ghats and Kerala.

Status: Vulnerable.

Notable Features: This succulent species is characterized by its rosette of fleshy leaves.



Aeonium arboreum var. holochrysum:

Indigenous to: The Western Ghats.

Notable Features: This succulent is known for its tree-like growth habit and striking rosettes of leaves.



Echeveria secunda:

Indigenous to: The Western Ghats.

Notable Features: Echeveria secunda is a rosette-forming succulent with fleshy, pointed leaves.



Conservation efforts are vital to protect these rare and endangered succulent species in India. Habitat preservation, controlled cultivation, and regulations against illegal collection are essential steps in their conservation. Additionally, raising awareness about these unique plants and their ecological significance can contribute to their long-term survival.

