

Miyawaki Method

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Miyawaki Method Latest News

The Miyawaki method can be used in cities where green space has thinned out over decades.

About Miyawaki Method

- This **method of afforestation** was **developed by** renowned **Japanese botanist Akira Miyawaki in the 1970s.**
- It is a revolutionary method for **creating dense forests in limited spaces.**
- It is often referred to as the '**pot plantation method**', it involves **planting trees and shrubs close to one another to accelerate their growth.**
- The **competition for sunlight encourages trees to grow more vertically and less laterally.**
- It **emphasises planting only plant species native** to the local area. This fosters a more resilient and naturally balanced ecosystem.
- **Plants grow 10 times faster** with this technique, making it a practical **solution for urban areas.**
- They are **much denser** and house much **more biodiversity** — just **like ancient, primordial forests.**

- **For the first two to three years**, the forest **requires regular watering, weeding, and monitoring**.
- **After this period**, the forest becomes **self-sustaining and requires minimal intervention**.
- **Advantages:**
 - It **improves soil quality, enhances biodiversity**, and accelerates forest development.
 - Trees planted using the Miyawaki technique **absorb more carbon, grow faster**, and support richer biodiversity compared to traditional forests.
 - In urban settings, this technique has **transformed polluted, barren lands into green ecosystems**.
 - It has successfully **managed industrial waste, reduced dust and foul odours**, and curbed air and water pollution.
 - Additionally, it **prevents soil erosion** and promotes ecological balance, making it an effective tool for environmental restoration.

Source: TOI

Source: <https://vajiramandravi.com/current-affairs/miyawaki-technique/>

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