



3 Cents of Land! Once an arid rock-strewn patch, the land now teems with lush green creepers, shrubs and trees – all thanks to a 53-year-old man who believed that forests could grow in cities too!

Some of the reasons why Kerala is synonymous with greenery are the many festivals, folklore and rituals that are closely related to nature. Growing up in the state means spending most of the time amidst lush

greenery and the paddy fields. For MR Hari, it was no different. There were several varieties of medicinal, flowering and fruiting trees in his ancestral house in Kottayam town.

One of my most cherished childhood memories is playing around the trees and chewing on medicinal leaves

every time there was a health problem. Numerous birds would chirp and often the temple elephants would

also visit as we had palm trees. We also used to grow seasonal trees like cashew nuts, jackfruits and tamarind," Hari, Managing Director of Invis Multimedia, tells The Better India (TBI). Hari was taught about the importance of trees from a young age. Besides learning about the environmental benefits and medicinal properties of trees, Hari was also informed about their cultural significance.

As a part of our sharing culture, we do not visit anyone's house empty-handed. In my house, it was a ritual that we always take some produce from our trees when visiting anyone's house, he adds When he moved to Thiruvananthapuram after education in the 90s, he witnessed a steady decline in green

cover due to concretisation. He even joined city-based social groups fighting for the environment.

However, it was not until the recent past that Hari took it upon himself to contribute.

M R Hari. Image Source: YouTube

Finding an atmosphere present in the forest in urban spaces is next to impossible, and my ancestral property is no more. Well-versed with environmental problems, I started planting saplings on my property in

Puliyarakonam (13 km from Thiruvananthapuram), he says.

Planting trees proved to be an uphill task for Hari as the land was not fertile and there was a shortage of water, "Thrice my vegetation has been destroyed due to the physical condition of the land."



Hari purchased around 12 indigenous cows to make his 2-acre-land fertile and improve the soil quality. Dried cow dung and a mixture of coir pith helped.

Miyawaki Forest



dense than a natural one. The saplings are planted very close to each other to prevent sunlight from reaching the ground and keeping the soil moist. The plants grow vertically instead of horizontally.

These trees also absorb carbon dioxide 30 times more and have better dust reduction ability. They can





Some of the traditional medicinal plants include aadalodakam (Malabar nut) changalamperanda (Adament creeper), ambazham (Indian Hog Plum), neermathalam (Garlic Pear Tree), amruthavalli (Heart-leaved Moonseed), and thaani (Bedda Nut Tree). Seeing Hari's success, the state government invited him to grow a forest in Kanakakkunnu Palace Grounds. In collaboration with Nature's Green Guardians Foundation, he built a Miyawaki forest comprising around 800 saplings on five cents of land at the Grounds. The six-month-old forest has over 60 plant species.

He is also building similar forests in Peyad and Munnar. On one patch of his land in Puliyarakonam, he recently planted 400 new saplings on four cents, "I plan to turn this plot into a dense forest. In the next ten

He is roping like-minded people in the activity to spread awareness and help learn this technique. Hari has also inspired the locals to practice Miyawaki method of afforestation, which led to around 50

years, my forest will be as dense as a 100-year-old one," he says.

people practising this technique directly or indirectly.

Hari planted 400 saplings in three cents of land, Image Source: YouTube

Image Source: Mary Samual In Kerala, people usually buy 5-6 cents of land to construct a house. I always suggest sparing two cents to grow a Miyawaki forest. With trees covering the house, the air quality will be pure. Carbon footprints can be reduced by using less air conditioning as the house will always remain cool, adds the 53-year-old. As per Hari, the growth rate of trees will escalate only if the saplings are planted very close to each other in the beginning. In the second year, the trees would become thick, leaving no room for new saplings.



Miyawaki method afforestration has enhanced the biodiversity

For successfully planting more than 3,000 plants in the last one year, Hari credits his family, especially his

planted in public spaces.

87-year-old mother, "My interest in plants stems from her. Until recently, she used to plant trees at her home. Hari has again tied up with the state government, and in their upcoming project, close to 12,000 trees will be