ARTIFICIAL TREES

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Now a days, trees are under siege, through deforestation, wildfires and population. The temperature of earth is increasing day by day because of rises the green house gases. In order to serious climate change, deep reduction in CO2 emission will be required in coming decades. CO2 absorption is the key technology to control the global warming. Global warming is sharply increasing due green house gases emission by human activities. So we need trees more than ever to control the rising emissions. Artificial trees are designed to traps CO2. Capturing of CO2 from a point source, from ambient air and reducing atmospheric CO2 concentration by using Amine and charcoal. Introducing amine beds and charcoal materials absorbs CO2 from the atmosphere and reduces the air pollution, keep environment clean. This tree was prepared by the recycling of Non-Biodegradable materials. These are 1000 times efficient than real trees. We need 100 million artificial trees to remove emitted CO2, and we need 100 billion real trees to do the same. The CO2 scrubbers are placed at the upper part of the tree which can absorb the CO2 from the atmosphere. Scrubbers like amine scrubbers, Activated carbon, Plastic materials, Minerals & Zeolite and some of the algae. The captured CO2 is used for industrial usage. This trees can also generate solar power, which is then used to provide lightening for the green conservatories around it. These trees are still in Prototype stage. The cost of the one tree to capture one ton CO2 is nearly $150, but when we fully implemented it may decrease to $20. In this presentation I would like to discuss about the reduction of CO2 and production of power by using renewable energy source and produce water droplets from atmosphere. In this paper we will be discussing

about structure, functioning and advantages of artificial trees.