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## A system for safe and eco-friendly wastewater treatment

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The system for treatment using wastewater and unutilized solar energy as resources is to produce vegetation (say grass) and clean water. The system is occupationally safe and eco-friendly. Wherein there is no bad odor, no mosquitoes, no color in the said clean water. It helps recycling of material and energy; enhancement of environment, energy conservation, enhancement of air, soil, water, plants and animals feeding on these plants, bio-energy generation, reduction in global warming and climate change, development of havens for wildlife including flora and fauna, enhanced quantity, quality and distribution of rainfall, enhanced dissolved oxygen in water, watershed development, enhanced aquaculture and fisheries development and flood control. The treatment primarily includes a collection and seeding tank (CST) for pre-treatment, a sieve cage (SC) to sieve out plastic bags and other solids, a solar bio-reactor (SBR) for further treatment, a cleaner water tank from where treated clean water is pumped out for usage.

### Biography

Joy Manglani is an Environment Scientist and Inventor. He holds the prestigious BTech degree from the premier IIT Delhi in Chemical Engineering. He is a Founder and President of NGO - Only Nature Endures (ONE) also called OneNature where he trains interns and seniors. He invents and promotes sustainable technologies for joyful life and healthy environment. He has experience of successfully inventing and applying technologies in the fields of water and sanitation, eco-friendly handcrafted textiles and clothing, organic farming, eco-friendly asbestos cement, business revival, thermal engineering, awareness and justice. He was an Advisor to Government of Maharashtra, India on water and sanitation technologies. He was also an Advisor to Government of India for Safe Industrial Technology.

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