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Creating a sustainable green planet (SGP) by generation of solar bio-energy using wastewater

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Author has invented a new technology to create a sustainable green planet by generation of solar bio-energy in the form of healthy vegetation, soil, water and air from wastewater and waste (SGP). Our current sanitation methods decompose valuable organics in waste and wastewater to foul gases and acids that degrade air, land and water. They are unsafe for workers; require skilled staff and immense electricity. They lead to major problems such as water pollution, water scarcity, loss of soil fertility, global warming, climate change, poor economy, poor health and loss of life. SGP solves these problems. In SGP, wastewater is not decomposed but, recomposed efficiently to said bio-energy products in aerobic conditions using photosynthesis, gravity and biofiltration through building debris. The products are excellent for afforestation, farming, animal husbandry, biodiversity and aquaculture amongst other uses. Thus, atmospheric carbon dioxide can be lowered and stored in the soil carbon pool by growing vegetation. This is encouraged by the Kyoto protocol. This stabilizes the planet and averts natural hazards. SGP has been operated successfully at a large lab and 200-people field scale. SGP also treats raw water. SGP units can be made on any scale: a single family to a large municipal size plant. SGP is sustainable because it is safe, ecological, economical, efficient and being simple, it has the potential to create human equity. SGP and other such technologies can foster a sustainable green planet if we all synergies our interests and strengths to adopt and promote them.

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