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Nature-Friendly Green Earth and Environment Protection

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ABSTRACT

Present paper describes about green earth. For future thinking about green earth is that reducing pollution and waste, saving energy, avoid misusing of energy, saving water, using renewable energy, conservation of future energy, recycling ideas etc. After all if we move green it will give our globe clean.

Keywords: Clean, green earth, pollution, renewable energy, waste.

I. INTRODUCTION

Environment-friendly, eco-friendly, nature-friendly, and green are marketing terms referring to goods and services, laws, guidelines and policies that inflict reduced, minimal, or no harm upon ecosystems or the environment[1]. Companies use these ambiguous terms to promote goods and services, sometimes with additional, more specific certifications, such as ecolabels. Their overuse can be referred to as greenwashing [2],[3],[4]. The International Organisation for Standardisation has developed ISO 14020 and ISO 14024 to establish principles and procedures for environmental labels and declarations that certifiers and eco-labelers should follow. In particular, these standards relate to the avoidance of financial conflicts of interest, the use of sound scientific methods and accepted test procedures, and openness and transparency in the setting of standards [5].

II. METHODS AND MATERIAL

Some ideas about green earth:

1. Less pollution is the best solution

Eco-friendly cars run on electricity or a combination of electricity and hydrogen-based fuel. Both represent low cost methods of transportation while also reducing the amount of driver's carbon footprint on the earth. In addition, environmentally friendly cars are constantly being enhanced and redesigned with even more emphasis on reducing pollution and waste also.

2. Litter the wastes to make a big difference

We have a responsibility to do our bit towards saving the environment and recycling is one of the easiest and most effective ways of doing this. Recycling can have a tremendous benefits that can help in saving the environment, it reduces waste, saves energy, conserves resources and can also reduce pollution to preserve the environmental condition that will tackle climate change.

3. Save energy today to survive tomorrow

Going green at home can also mean being conscientious about not wasting tap water, and turning off lights when they are not necessary. All of these little things can really add up in one's pursuit to save the world; if enough people begin going green, the planet will surely stand a far better chance. Living a green lifestyle or going green that can begin in small, easy to manage ways.

4. Energy misused can't be excused

Green energy is energy that can be extracted, generated and consumed without any significant negative impact on the environment. Green power is a subset of renewable energy and represents those renewable energy

resources and technologies that provide the highest environmental benefit. Green power is electricity produced from solar, wind, geothermal, biogas, low-impact small hydroelectric sources etc.

5. Saving water can save the world

Around 73% of all the green energy is estimated to come from the power of water, also known as hydropower. Flowing water has mechanical energy, and when water is forced through penstock for turning a generator it helps in producing electricity. Tidal energy and wave energy are other forms of green power produced through water. Research is still underway to harness energy from the motion of the ocean.

6. Direct way of using renewable energy

A direct way of using renewable energy is to install renewable energy generating equipment like solar panels or small wind turbines. These systems can be cost effective, particularly in rural areas where the only alternative is extending long electric distribution lines to serve the house or another small load. Solar water heaters can provide 50-80% of the hot water needs for typical homes.

7. Turn-off lights to keep the future bright

Saving energy means decreasing the amount of energy used while achieving a similar outcome of end use. Using less energy has lots of benefit i. e. we can save money and help the environment. Generating energy requires precious resources, for instance coal, oil or gas. Therefore using less energy helps us to preserve these resources and make them last longer in the future.

8. Practice conservation for future energy

Green energy is generated from alternative energy sources that get powered by various natural events and cannot get depleted with use. The three main sources of Green Energy are water, wind and solar energy that can limit the dependence on fossil fuels dramatically. Falling water has been in use to power dams so as to produce electricity. Even though dams generate clean energy, they leave a negative impact on the eco-systems surrounding the area.

9. Life depends on energy, so conserve it.

Green energy models are completely in demand and supply systems based upon renewable energy unlike energy produced from fossil fuels and nuclear energy. Green energy models consist of both supply and demand. Green energy systems consist of both the technologies that carry out the conservation of energy from one form to another and storage technologies that save energy from hour to hour.

10. Recycle today for a better tomorrow

Recycling is a huge, obvious part of helping to save the world through green living. Reducing one's reliance on oil-based energy sources is another popular method employed in trying to save the world. Purchasing only all organic, chemical free products is another way that many people begin going green, and is considered a very effective method at trying to save the world and all of its resources. Green living is infiltrating to all parts of daily life, and the planet is sure to be better for it.

11. Move forward to a fossil free future

Wind power is harnessed using wind mills where the movements are transformed into electricity. The energy produced by wind mills is both renewable and clean. Solar energy is generated by using solar panels that transform the sun's light into electricity that can be used to power homes, industries, vehicles and can be used for other purposes.

12. Move green to make our globe clean

All of us would love to live in a green planet. The only requirement is to generate the awareness about the urgency of free plantations for increasing plant cover on earth. It is also required to make the people aware of the fact that every inch of the available land should be used for plantation. So the loss of forest cover by deforestation can be recovered considerably. Useful and practical ideas must be provided to people, so that they may be able to plant trees in and around their localities.

III. RESULT AND DISCUSSION

For this purpose we think about the help of Green Chemistry.

The Green Chemistry program should lead to sustainability by designing and using the methods in which natural raw materials will be economically processed, rational usage of energy sources, elimination of hazardous gaseous, liquid and solid wastes and by introduction of safety products for man. The popularization of Green Chemistry in schools, among the workers at plants of chemical industry and distributors of chemical products is also very important. The broad usage of Green Chemistry achievements will enable us to balance eco-development profitable for society, economy and the environment.

The major uses of Green Chemistry are -

- Energy
- Global Change
- Resource Depletion
- Food Supply
- Toxics in the Environment

Energy

The vast majority of the energy generated in the world today is from non-renewable sources that damage the environment. e.g., Carbon dioxide, Depletion of Ozone layer, Effects of mining, drilling etc., Toxics.

Green Chemistry will be essential in developing the alternatives for energy generation (photovoltaics, hydrogen, fuel cells, bio-based fuels, etc.) as well as it continues the path toward energy efficiency with catalysis and product design at the forefront.

Global Change

Concerns for climate change, oceanic temperature, stratospheric chemistry and global distillation can be addressed through the development and implementation of Green Chemistry technologies.

Resource Depletion

Due to the over utilization of non-renewable resources, natural resources are being depleted at an unsustainable rate. For this fossil fuels are a central issue. Renewable resources can be made increasingly viable technologically and economically through Green Chemistry. e.g., Biomass, Nanoscience and technology, Solar, Carbon dioxide, Chitin, Waste utilization.

Food Supply

While current food levels are sufficient, distribution is inadequate. Agricultural methods are unsustainable. For this future food production intensity is needed. Green Chemistry can address many food supply issues.

Green Chemistry is developing:

Pesticides which only affect target organisms and degrade to innocuous by-products. Fertilizers and fertilizer adjuvants that are designed to minimize usage while maximizing effectiveness. Methods of using agricultural wastes for beneficial and profitable uses.

Toxics in Environment

Substances that are toxic to humans, the biosphere and all that sustains it, are currently still being released at a cost of life, health and sustainability. One of Green Chemistry's greatest strengths is the ability to design for reduced hazard.

Green Chemistry is not a solution to all environmental problems but the most fundamental approach to preventing pollution.

Furthermore, the success of green chemistry depends on the training and education of a new generation of chemists. Student at all levels have to be introduced to the philosophy and practice of Green Chemistry as well as Green earth.

IV. CONCLUSION

To make our earth green and clean we need necessary actions and steps. All is possible if our awareness goes through root level of the society. The only requirement is to generate the awareness about the urgency of free plantations for increasing plant cover on earth. It is also required to make the people aware of that every inch of the available land should be used for plantation. So the loss of forest cover by deforestation can be recovered considerably. Useful and practical ideas must be provided to people, so that they may be able to plant trees in and around their localities. After all if we move green it will give our globe clean and automatically our environment will be protected.

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