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Green energy

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Abstract
Continuous increase in industrial development and population is one of the major reasons for insatiability and global environment pressure. There is a huge warning signal coming from nature hidden in the irreversible damages caused by greedy humans which needs to be tackled and reversed. Renewable energy is the key as most of the major activities like industrial process, transportation requires energy. Therefore one also needs to create awareness among general public to understand this problem. This article deals with basic concept of green energy and solutions to reach out to general public and create global awareness.

Keywords: Population, energy, awareness

1. Introduction

By adapting collaborative approach, a simple solution can be designed for desirable results. No one unit has the capacity to manage all the work in different fields. The creative and collective ideas can produce desired results. This new approach has the ability to balance all layers of our society, moving towards the centre of the global scene, from economy to science. The human development has accelerated to the rate that has never been thought of before, like using extraordinary and unimaginable technology at low cost. But with increasing development and human population we are the main contributors to global warming.

"Waiting for the green earth to turn into to a grey land is a crime, even when weather conditions and inducing alien climate patterns are occurring at the fastest rate. We have to find an urgent green action. Waiting for the green earth to turn into to a grey land is a crime, even when weather conditions and inducing alien climate patterns are occurring at the fastest rate. In the future, if serious actions are not taken then energy economy will be main reason for economic downturn. It has been predicted by experts that within next five years some European countries will have power cuts and rolling blackouts because of old infrastructure and non availability of renewable source. Oil (37%), coal (25%), and gas (23%) together supplied 85% of the world energy supply in 2008. And if oil consumption remains constant it will last 35-40 years only. So there is a need of an alternative source.

"Jawaharlal Nehru said that It`s science alone that can solve problems of hunger and poverty of insanitation and illiteracy of superstition and deadening customs and traditions, of vast resources turning to waste, of a rich country inhabited by starving people- The future belongs to science and those who make friends with science". Integrated approach to invent something in one field is always beneficial to other field. 2012 and 2013 have been tough for many industries in USA and Europe. Many companies were forced to shut down some of their energy extensive units or postpone their projects. To overcome these hurdles and develop one country future is to speed up the research efforts to develop appropriate technologies with available resources. The best investment will be to invest in the current available technologies to modify it in the best possible way.

We should emphasize that multidisciplinary science is essential for bridging the existing gap of using algae biodiesel at large scale. Green technology can only be developed by planning qualitatively and quantitatively to improve operations and services to the given current resource constraints. Microalgae are the new sustainable technology which has great potential to meet world energy needs but there is little knowledge in this area which needs to be exploited more. We should explore the fundamentals more. And the synergic use of biology and engineering might do wonders. Genetic engineering is used to make wild species feasible for commercial production of biodiesel to improve productivity and yield.

Metabolic engineering may lead to higher yield of desired lipids and better performance of biodiesel. Currently there is lot to understand the molecular pathways and lipid synthesis in microalgae

To achieve these results:-

R&D sector should have a smart and positive approach while investing in green energy.

1. Multinational companies should invest in energy efficient set up for long term benefits as carbon trade is the new emerging trade market.
2. Government should have strong hold on energy supply chain as transportation infrastructure is the main problem.
3. Biological transportation models should be given more focus due to fast rate of urbanization.
4. Linkages between employer and universities should be made to build market according to the present and future needs.
5. Quick fix is needed to retain sustainability. Public and government firms must sustain investments in R&D sector and education. There should be new codes and conducts to me be made at public and private levels.
6. Inspire youth generation to build sustainable environment.

While seeing at the present scenario, I propose the following suggestions in the field of energy:-

- Energy entrepreneurship
- Education in the field of energy sector
- Global connection

To encourage the development in energy sector, Artful leadership is vital ingredient for any organization to function properly.

- Learning and responsible leadership
- Vision and reflection
- Building relationships
- Innovation and Change

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