

Climate Change and Global Warming: Counteracting with Biofuels

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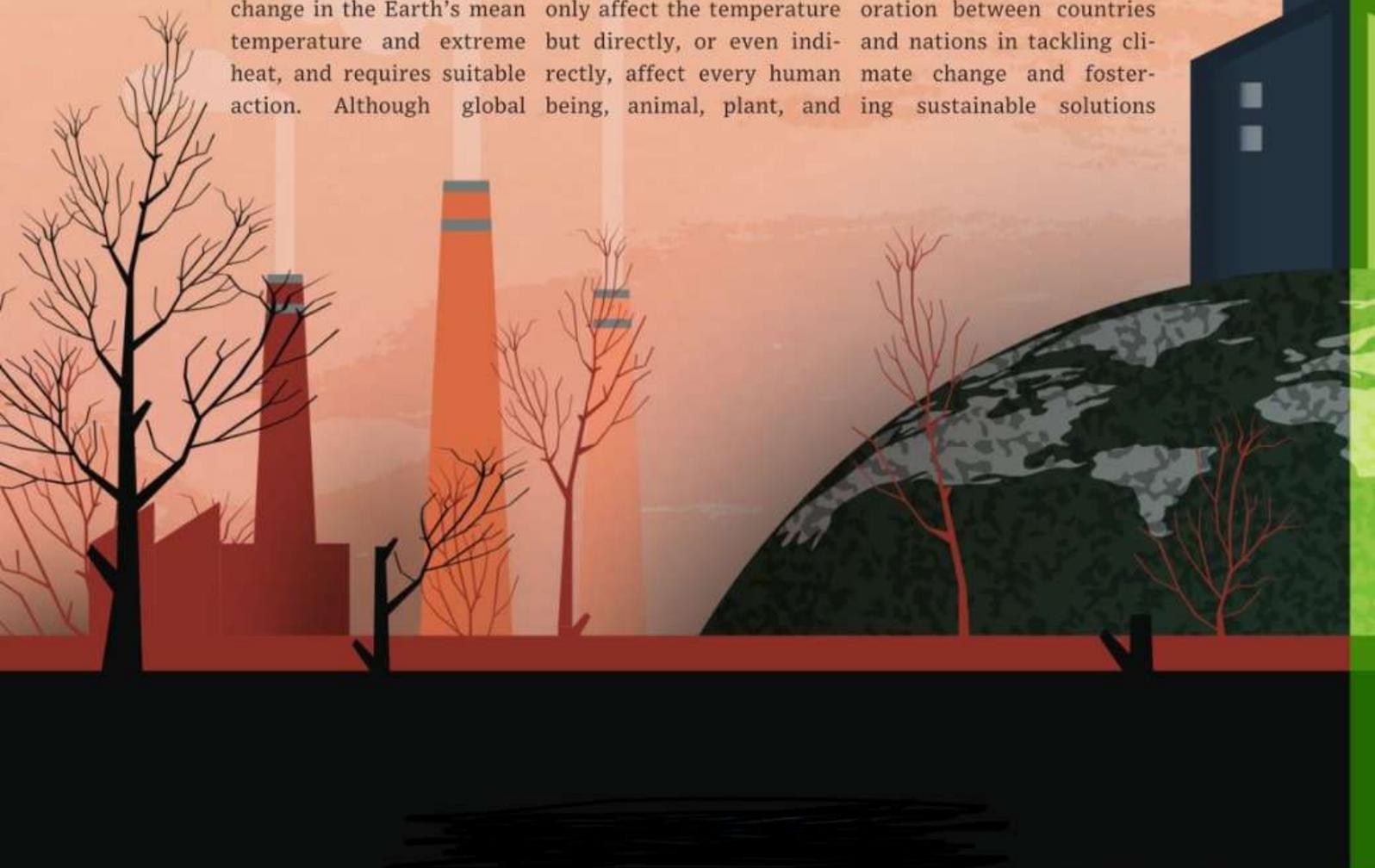
Today, people worldwide are well-aware of these terms. Climate change, a noteworthy issue since the industrial revolution, encompasses the gradual change in the Earth's mean temperature and extreme heat, and requires suitable action. Although global

warming is often used interchangeably, it is just a part of climate change, particularly alluding to increased heat caused by greenhouse gases. Moreover, these not only affect the temperature but directly, or even indirectly, affect every human being, animal, plant, and

nation. So, what can be done about this?

In today's circumstances, small actions matter, but larger ones are crucial too.

Cooperation and collaboration between countries and nations in tackling climate change and fostering sustainable solutions



is pivotal for worldwide initiatives to alleviate the influence of climate crisis. Both Brazil and the UAE have achieved notable advances in these sectors, and their cooperation can have a constructive effect on the transnational struggle against climate change as they operate to advocate, and advance discovery in the usage of climate biofuels.

In addition, fighting climate change necessitates diversified and thorough strategies and alliances on several fronts. The countries' exchange can boost the efficacy of their mitigation efforts and motivate other nations to initiate comparable solutions.

Biofuels are renewable energy sources obtained from organic resources, such as plants, crops, or

agricultural waste. These have a crucial role in decreasing greenhouse gas emissions and transitioning to increasingly sustainable energy sources. Furthermore, this can have the potential to substitute for fossil fuels in transportation and contribute to the mitigation of carbon emissions. This can also be implemented using anaerobic digestion, a process which utilizes the general waste and converts it into sustainable biogas, which is a renewable, green resource.

Biofuels are contemplated as greener replacements to fossil fuels because they can assist in reduction of greenhouse gas emissions. While burning biofuels does emit carbon dioxide, the amount of it released is approximately equal to the quantity that plants gen-

erally absorb from the atmosphere throughout their growth, resulting biofuels to be fundamentally carbon neutral.

Overall, such collaborations showcase dedication to a better, more sustainable and green future and demonstrate the significance of global collaboration to exert a more substantial influence in international endeavours to address a more sustainable world. Moreover, the development and utilization of biofuels contributes to decreasing the reliance on fossil fuels in our daily life, influencing and advancing energy security, and alleviating the environmental impact in transportation and sectors that depend laboriously on non-renewable energy resources. **YT**

