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## Editorial ...



Every year April 22<sup>nd</sup> we are celebrating and observing World Earth Day in across the world. This day is the best day to raise awareness about the Earth. The theme of Earth Day 2025 is "Our Power, Our Planet." This Earth Day marks the 55<sup>th</sup> anniversary. Our planet Earth is the greenest, most fertile, and most habitable planet in the universe. The basic source of life is not only water but also the soil on Earth. There is a difference between the soil on other planets and the soil on Earth. The soil is alive. It is also the center of life production. If there is no soil, there is no life. Because, we all know that soil is the food that provides life. Many years we have been led to believe that fossil fuels can only power the planet, but that is not true, and that by the 2030s, the planet's electricity will be powered by solar energy, says Denise Hayes, organizer of the first Earth Day. Our ancestors lived in harmony with nature. They gave us that wealth without destroying nature. It is our primary duty to pass it on to future generations. This year's Earth Day calls on everyone around the world, especially in 192 countries, to unite behind renewable energy. The day also aims to triple global clean electricity production by 2030. Solar power is a renewable energy source that does not produce greenhouse gases, does not cause climate change, and improves our environment and human health. We are all join together on Earth Day to take action—through education, advocacy, and mobilization—to pledge to take action on Earth on social media, to participate in local events, to plan and register, and to integrate Earth Day lessons into the curriculum. Furthermore, due emphasis should be given to high-level research and development programs on technologies that meet our global energy needs from clean, affordable renewable energy sources such as solar, wind, geothermal, wave, and hydro resources, and government and private institutions, universities, colleges, and research centers should come forward to make these technologies accessible to all. Forty-nine countries, including India, Canada, Switzerland, Austria, New Zealand, Brazil, Norway, Sweden, and Denmark, already generate more than half of their electricity from solar, wind, hydro, and geothermal resources. For example, Iceland gets 99.99 percent of its electricity from renewable sources. "It takes a collective people's power to make a big shift to renewable energy," says Kathleen Rogers, president of EDO. The 20 million people who marched on Earth Day in 1970 sparked the modern environmental movement, leading to clean air, water, and wildlife protection. In 2024, a campaign to reduce global plastic production captured the attention of the world's nations. Renewable energy can directly or indirectly alleviate poverty, improve quality of life, and improve health outcomes. For example, reducing greenhouse gas emissions reduces health risks associated with climate change, such as heat waves, floods, and the spread of infectious diseases. And reduced air pollution reduces respiratory and cardiovascular diseases, including asthma and stroke. Renewable energy is not only clean and healthy – it represents a huge economic opportunity and is projected to create 14 million new jobs worldwide, with renewable energy globally growing by 17.2% annually from 2024 to 2030. This transition to growth may present us with many obstacles, but our overarching goal is to move away from our dependence on fossil fuels and embrace a sustainable future.

Editor in Chief, IJONS

Cover Image: *Dahlia tenuicaulis* P.D.Sørensen (Family: Asteraceae)

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