



Editorial

Climate change has emerged as one of the most important issues confronting the planet. The principal causes of climate change include a massive increase in greenhouse gas emissions such as CO₂, Sulphur dioxide (SO₂), methane, and nitrous oxide. It is mostly the result of coal and fossil fuel combustion, as well as deforestation caused by intensive agricultural practices. Climate change has resulted in high temperatures, increasing sea levels, erratic rainfall, abrupt cloud bursts, and low temperatures in various seasons around the country.

Each harsh season harms biodiversity. A warmer climate has a significant influence on the availability of requirements such as fresh water, food safety, and energy. Furthermore, it has a significant negative impact on food security and may lead to nutritional deficiencies and hunger among the people by reducing crop production and productivity. climate change-induced variables have a significant influence on both human and physical capital, including dwellings, roads, and human health. Additionally, the economy will be affected by climate change in some areas due to growing social inequality, financial stress, and unemployment.

It is the responsibility of all the people to protect nature and make a sustainable life for future generations. In this regard, it is need to practice the adaptation and mitigation methods for climate change. It is the job of the academicians to create awareness at the gross root level about the adverse impacts of climate change by disseminating adaptation practices. Urban and rural areas must take a significant part in the abundant local adaptation strategies required. These include implementing regenerative agriculture and growing drought-tolerant crop types, enhancing water storage and utilization, and fortifying the defence system against severe weather events like floods and heat and cold waves.

Jai Hind!

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