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Editorial ...



The United Nations Framework Convention on Climate Change (UNFCCC) came into force on 21st March

1994. At present 198 countries are members of this organization. The main objective of this system is to prevent dangerous and human intervention in the climate system. When the system came into effect in 1994, there was very little scientific evidence that climate change was caused by human interference. But given the percentage of past and present greenhouse gas emissions as evidence, the organization expects industrialized countries to take the necessary steps to reduce these dangerous emissions on their own soil. These countries are called Annex I countries. This includes 12 countries specifically in Central and Eastern Europe. Some of these countries have taken strong action against climate change and succeeded in doing so. Every year climate change conferences are held in member countries. Accordingly, this year's CoP 28 conference will be held in Dubai from November 30 to December 12 on behalf of the United Arab Emirates. The main objective of the convention is to reduce the amount of carbon in the atmosphere and limit global temperature rise to more than 1.5°. Bilateral talks will be held between the leaders of the various countries participating in this conference to discuss the mitigation of climate change related problems through green technology in their countries. The question for ecologists is why we, with unimaginable technological prowess in space, have not been able to develop a permanent solution to the problem of climate change caused entirely by human interference. We urgently need fully eco-friendly technologies that can be implemented immediately with full assurance of conservation of natural resources and biodiversity. This is one of the first ways to solve the climate crisis. But we must not forget that we, the public, have the potential to make this happen. The most important thing in this is that man should stop any activities against nature. Only then can we achieve our goal of net zero greenhouse gas emissions by 2050 as planned. It is noteworthy that Prime Minister Narendra Modi and Union Environment Minister Bhupendra Yadav will participate in this conference attended by more than 70,000 delegates. With 2023 being declared as the hottest year on earth, this conference is considered more important by experts. We need advanced technologies that improve the environment without impacting the global economy. For this it is necessary to utilize the local resources of our country and the power of the young generation.



We extend our heartiest wishes for the success of this Conference of Parties 28 and the immediate implementation of the results.

India's first Polarimeter XPoSat (X-ray Polarimeter Satellite) will soon be launched to study the properties of X-rays in the 8 to 30 kiloelectronvolt range emitted by stars, the Indian Space Research Organization has announced. It is worth noting that this satellite has state-of-the-art probes called POLIX, XSPECT.

Cover page details:

A marginal women farmer is capacitated to scale up her farming by adopting an integrated approach where arable lands are gradually becoming scarce due to soil and water salinization. Adaptation technologies are practiced in the coastal belt to avert the impact of incremental change in climatic patterns to uplift the last hope of living.

Cover page Image Credit: Ariful Islam / Thanks to CoP 28