

We Hear From

Readers are invited to express their views not only on matters published in this medium but also on their independent thoughts published in other science-related topics. Do not allow your ideas to die away. What appears to be naive or bizarre to you may ignite others' thought process and become useful.

Dilip Kumar Sinha

Whither Climate Literacy?

Any bid for literacy has to reckon with takers who keep on increasing. The theme, in particular, has to be necessarily kept in view. The interconnectivity keeps on assuming characteristics that ought to sustain the emerging foci of the theme, to be catered for wider causes. The last two words in the title, over the last few decades, show an inextricable interplay, almost on an ongoing basis. So any drive for pushing any agenda, on such scores, cannot but consider what the climate has, of late, come up to convey.

The genesis of the word 'climate' goes back to a somewhat, slavish dependence on what happens to be described as 'weather'. Some sort of averaging/mean might have served the purpose for a hazy, if not insecure, idea of climates. That's in a way, a beginning with an undefined garb of weather. The situation, now, has come to such a pass that any description, pertaining to climate, can possibly dispense with the use of 'weather'. Having dealt with such a duality, the dimensionalization of climate *per se* finds a significant edge over others. 'Climate change' hasn't just been a talk of the day but has acquired an inner content that does spark off skirmishes of one kind or the other. That's, presumably, what the desired literacy ought to keep in view.

True, the atmospheric intervention can't take a backseat; the climatic contiguity can, in no way, be pushed to the wall. The continuum of land, sea and air is pressingly an enduring reality. If the minimality of climate change with three happenings, viz. greenhouse gases (GHG), sea level rise and ozone depletion, is taken, then also the above continuum becomes pervasive. Arguably, one can do the same with climate variability and the literature on this is no less proliferating, because of nuances involved. A mixup with El Nino/La Nina/ENSO in disaster events or the lack of one or two of them, often suffices social media to use the label 'climate change'. Forecasting or predictions nowadays are hyped up superbly through initialization, without being bereft of sensitivity. Chaos should well set in, without disallowing simplicity, or the other way round, allowing nonlinearity *vis a vis* complexity to ensue. These are often referred to, while keenly looking forward to shaping the 'climate change' in ways, different from some extant ways. Dynamical systems find their inroads in anything to deal with climate change and hence, another input to literacy on climate change. One can write a few more, to be of use so that diversity is well taken care of. Even, following natural disasters, necessary

aftermaths on adaptation and resilience become bedrocks for viewing climate change afresh.

Furthermore, the litterateur Amitav Ghosh's recent treatise on 'A Great Derangement : Climate Change and the Unthinkable' serves as an ally to perceptions of climate change. Such enterprises provide literary textures of scientific hues around 'climate change'. Indeed, that goes a long way for internalizing what is coming up as an inclusivity on climate changes in apposite realms.

One may thus well conclude, at least now, that the climate has potentially a core that keeps on surfacing and evolving. A climate ticker based on historicity may well unfold with attractive and repelling modes. Cultural

schisms are very much in vogue, because of dialogues in meets on climate. Finally, it is the canopy of science, education and culture that will definitely provide the continuing literate dimensions of climate change. Can we afford to think of a changing features of climate, rather than being stuck up with climate change, as is often being coerced by some vested groups? The much-talked about Paris agreement, somehow or the other, triggers off vocabularies on climate change, having diplomatic stints. In sum, literacy on climate can't stay away from evolutionary traits.

Dilip Kumar Sinha

email : dilipkumarsinha@rediffmail.com

Anandamoy Manna

Solid Pollutants in Atmosphere

Our atmosphere is like an insulating blanket protecting us extending almost hundred kilometers above earth's surface. Its components are gaseous and cosmic rays. It did not have solid components. The atmosphere is divided into different layers whose natures and characteristics are different depending upon the height.

As science and technology is expanding solid objects are infiltrating into this so-called gaseous space without coming down to the earth due to earth's gravitation. In nature every action has its reaction, every object has its merits and demerits, these objects also possess both virtues. These solid objects are nothing but satellites projected by different

countries and agencies for different purposes at different times. We shall now try to know about this phenomenon.

Mercury, Venus, Earth, Mars, Jupiter, Saturn etc are revolving round our star Sun at different orbits in different distances, these are planets. Moon is earth's satellite. A man-made object or vehicle intended to move round the earth is earth's satellite while moon is God gifted earth's satellite. God within man is making new satellites of earth. According to physical law if we tie an object with a thread and rotate it holding the thread by hand the object will rotate in a circular path around the hand as an axis until the force acting in a direction away from axis of rotation (here the
