

# We Hear From

Anandamoy Manna

## Global warming: Conflagration

Now-a-days we come across the news of wildfire here and there in our planet. Scientists specially environmentalists claim that this is due to global warming. The whole world is worried about the increase in global temperature and its consequences. But the governments who will execute the recommendations to deal this situation of different sessions of United Nations' special bodies dealing with global warming are turning a blind eye in this regard. We have the proverb 'Government is by the people, of the people and for the people'. But now-a-days it seems that government is by the party, of the party and for the party steered by some people. Effect of global warming is countless, one of them is wildfire. It causes not only huge loss to the country where fire occurs but the humanity in general.

Let us inspect its cause. Slight increase in age in young age does not cause any deterioration in human health but that increase in age at old age deteriorates health. Rise in global temperature is like the increase in age in old age produces significant effect in our planet. We know that our planet's landmass covers significant area in precious forest wealth. We all know green

forest does not catch fire. Due to global warming weather becomes hot and dry causing drought which withers greenness causing grass, shrub, leaves, twigs and even trees dry and vulnerable to forest fire. Moreover warm condition is suitable for worms and produces such insects which invade tree parts increasing flammable matter. Fire is covered by probable lightning which sits on fire the flammable matter accumulated by dry grass, shrub, leaves, dried twigs, branches and trees etc. this wild fire let loose carbon dioxide adding to more global warming like nuclear chain reaction in nuclear fission. There are loss of human lives, domestic animals and agricultural crops and houses and wild treasure.

This is a grave concern to people but not to those governing the world. Had they been thought of dreadfulness of global warming they could have checked it. Let us pray that good sense prevail on those doing food to humanity and to those governing the countries of our planet.

**Anandamoy Manna**

Retired Professor, Physics Department,  
Jadavpur University

---

Nitish C Munsri

on

## Brain, Mind and Human Health

I have gone through correlation of Brain, Mind and Human Health etc. by Anurag Tripathi in ISC Volume 32 No 2 March 2018 and I add more to it.

Very recent past it has been a battle among the many NEUROSCIENTISTS GYRI to MIND. We

know the brain is composed of numerous GYRI and SULCI.

Some NEUROSCIENTISTS say that mind is the macromolecular rearrangement of the cerebral interneuron macromolecules that is GYRI.

---

We know that the CNS and BRAIN is composed of millions and millions of REFLEXES. Other neuroscientists say that an opening up of newer and newer reflexes in brain is summarized as mind.

Human brain is vast and the practice of NEUROSURGICAL maneuvers are ushering the newer and newer components of human brain.

It is often quoted the HUMAN BRAIN is 20% known to the NEUROSCIENTISTS. The other 80% remains unknown.

**Nitis C Munsi**  
Ex Regimental Medical Officer  
Assam Rifles

---

# Technology Update

## New Definition of 3-D Printing: Additive Production

Anil Kumar Ghosh

Through the medium of nanotechnology the firm XJet wants to manufacture better quicker and cheaper metal and ceramic parts than all other competitors and rivals.

Discretion rings somehow otherwise, “We will newly define the additive production, not only in metal but also in ceramic field. Our 3-D printers are better quicker and more cost-effective cheaper and more flexible than the products of the competitors”, so says Dror Danai, Business Developer of the Israeli firm XJet.

Possibly it comes into existence through a new printing technique: by nanoparticle jetting. With this the densely compressed fluid with a piezoelectrical pressure head in construction space is taken off. We distribute about 220 million drops per second out of amount of 12000 says Danai. As for comparison: printing specialist comes with his much taken care multijet fusion

named technology of 30 million droplets. Each of our material droplets contains more than 1000 tiny particles. Their size clearly lies in submicron region. With ceramic these are as for example on an average 50nm, says Danai.

The expert does not advise on how it is possible to generate so tiny particulates wholesale and reliably. That will still for a couple of years remain our secret. Details for the transporting fluid do not mention cost. The viscosity must exactly conform to every material. Certainly the solution must be capable of flowing, it may in the construction space, however, not be too far extended. Behind it there is twelve years work in laboratory and over 100 million US \$ research expenses.

Immediately after the taking off of the droplets a radiator heats up the layer. The temperature is at 200°C to 290°C kept according to the material result. The transport medium immediately

---