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Editorial

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Emerging of Another Manmade Pollution: Nanopollution

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Editorial Note

The whole world is working on having a cleaner environment is important to have a better and sustainable future. There are many emerging technologies with an innovative solution out there in the world that are currently working on removing toxic elements from the surrounded air. The interesting fact among them would be how amazing nanotechnology can play its role. The smallest technology has a greater impact on the environment but as they say, nothing is simple as it is seen! Nanotechnology has given us bright hope for a fresh environment but in this whole process we didn't take this point into consolidation what about the waste produced while producing or using nanotechnology or nano products. The pollution caused by these nanoparticles is very small in size which is not easily detectable these pollution are nowadays termed nano pollution. Researches claim this would again new kind of pollution caused by humans in the name of good. Since these are nanoparticles that are in the tiniest form possible they have the means to access or penetrate inside the human skin, although researchers claim that not all the nanoparticles which penetrate are very harmful the effects are still understudied. The industries like textile, food production, electronic industries, and some others included might also release toxic waste which might fall under nano pollution

Health issues

There was an experiment taken by a group of researchers to test the effect of nanoparticles on the human body. The inserted carbon nanotube near the lung saw the effect of tubes as soon as the tube comes in contact with lungs they release these negatively charged ions into the blood leading to stroke and other complications

Vehicle emission

The smallest particle which is the release from the vehicle might also cause damage when inhaled may trigger the plaque buildup in the arteries by affecting fats in Low-Density Lipoprotein (LDL) cholesterol to activate genes, which can lead to heart attack and stroke.

Textile industry

The industry which ensures odour-free sport cloth usually uses nanosilver particles that stop the odour causing bacteria to grow but because of the bacteria, the harmful microbes which reside on the skin are dead. Now, these harmful bacteria with nanosilver particles cause many changes on the skin This might lead to many complications of skin like cancer, bacterial infection, etc.

Grey goo

The extensive use of technology has given rise to the theory of grey goo which says that one day the system involving molecular nanotechnology will cause a global catastrophic scenario where the machines will start self-replicating out of control and consume all the biomass of the earth

In the end, nanotechnology has served us all good in the best way possible but not able to control the use of this technology can lead us to another alarming situation. We need to still collect the huge amount of data before concluding the effect of these in overall aspect the funding and working is going on rather in high speed

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