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NEWSLETTER



HOW INDIAN SCIENTISTS TAKE INNOVATIVE STEPS TO TREAT BIOMEDICAL WASTE?

India's Eco-Friendly Shift to Tackle Toxic Bio-Medical Waste

India is known for generating 742 tons of biomedical waste a day. According to CPCB's 2023 report, India produces around 743 tons of biomedical waste daily. A major portion of this waste includes waste generated from human blood, sputum, and other surgically operated human body parts, etc.

However, the most shocking fact is, that around 200 tons of this huge toxic bio-medical waste is untreated. Such untreated biomedical waste develops microbes that are powerful enough to resist antibiotics, posing a threat to humanity.

Recently, the Council of Scientific and Industrial Research Institute for Interdisciplinary Science and Technology (CSIR-NIIST) has confirmed innovative means to tackle bio-medical waste.

Some of those eco-friendly ways of managing bio-medical toxic waste have been shared below.

CSIR- NIIST's Revolutionary Rig for Toxic Biomedical Waste Treatment



The Council of Scientific and Industrial Research institute for Interdisciplinary Science and Technology, aims to install a bio-medical waste treatment rig for converting bio-medical waste to wealth.

The innovative toxic bio waste conversion Rig is known for some of its unique features, shared below,

- Innovative technology launched under the 'Srijnam' program, which converts hazardous biomedical waste into manure or soil-like powder
- Cost-effective and eco-friendly option for adding a greener alternative to bio-medical toxic waste
- Automating eco-friendly disposal of hazardous waste components like blood, urine, sputum, and laboratory disposables without using incinerator
- Using pleasant fragrances to avoid foul-smelling toxic waste, eventually turning handling and safer disposal of bio-medical waste without using an incinerator
- Converting 10 kg of biomedical waste into benign material in less than 30 minutes
- Capable to recycle and convert 400 kg of bio-medical waste per day, all across India



Conclusion

India's shift towards accepting sustainable bio-medical waste recycling rigs will help the nation to mitigate unplanned disposal of medical waste eventually. Such actions are the only solution to protect this Planet from Co2 contamination.