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India's Bio-Economy Set to Reach 300 million Dollars by 2030

CHENNAI – 26 Nov, 2026 Singh Urges Industry to Seize Opportunities in Next Biotechnology Revolution.

India's bio-economy is set to reach 300 billion Dollars by 2030, with biotechnology set to drive the next Industrial Revolution, while Biotech Startups in India had already grown from just 50-60 in 2014 to over 11,000 today, Union Minister Dr. Jitendra Singh said today, urging industry leaders, Startups and investors to seize emerging opportunities through greater investment and participation in genomics, multi-omics and advanced biotechnology.

Drawing a parallel with the transformative role of Information Technology in the previous industrial revolution, the Minister said that biotechnology is now emerging as a strategic technology platform that will shape the future of healthcare, agriculture and global economic competitiveness. He cautioned that businesses must adapt to the rapidly changing technological landscape, as those failing to embrace emerging technologies risk becoming irrelevant.



Addressing the CII Global Genomics Summit 2026, themed 'Powering the Next Bioeconomy Through Genomics and Multi-omics', at New Delhi, Dr. Jitendra Singh said the summit provided an important platform to bring together the frontiers of science and technology with industry participation, translating scientific discoveries into healthcare solutions, economic opportunities and overall national development. He appreciated CII for bringing together industry representatives, startups and other stakeholders to advance India's biotechnology ecosystem.

Dr. Jitendra Singh said that the convergence of DNA sequencing, computational biology, Artificial Intelligence and different omics technologies, including metabolomics, transcriptomics and proteomics, would transform the understanding of complex diseases and enable more personalised healthcare. The same disease could require different treatment approaches for different individuals, making genomics an increasingly essential component of future medical practice. He said these technologies were no longer confined to research laboratories but were becoming indispensable for healthcare systems, businesses and nations seeking to remain competitive.

Emphasising India's unique advantage in genomic research, the Minister said the country's extraordinary genetic diversity could become a major global asset for research and development. India's diverse population groups and wide spectrum of diseases provide an extensive knowledge base for generating genomic data and developing solutions relevant to populations across the world. He said greater investment in genomic research would not only strengthen India's scientific capabilities but also create significant industrial and commercial opportunities.