

Global Nanotechnology market to touch \$3 trillion by 2018

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The curtain raiser for the conference was held on September 1, 2014, in Bangalore, in the presence of dignitaries including Prof. CNR Rao, chairman, Karnataka's Vision Group on Nanotechnology; Shri SR Patil, minister for Planning and Statistics, IT, BT, Science & Technology; Shri Srivatsa Krishna, IAS, secretary to the Government, Department of IT, BT and S&T, Government of Karnataka; and Prof. AK Sood, department of physics, IISc.

By 2018, the commercial Nanotechnology market is expected to reach \$3 trillion, with India having a market chunk of 20-25 percent, revealed Shri Srivatsa.

Themed 'Nano Horizons' this year, this international event will serve as one stage confluence for the government, scientists, policy makers, research institutes, students, entrepreneurs, industry and academia, offering a plethora of explorative opportunities in advancing Nanotechnology and Nanotechnology.

On the occasion, Prof. CNR Rao said, "In the US, Japan, and China, there is a lot of investment happening in the area of Nanotechnology research. Through this technology, many new materials have come out in the last few years. Actually two years ago, this field didn't exist much. Now it has become a major area of research. There are new developments which are promising, and a number of possibilities are seen in device technology and applications including Spintronics."

When asked about Nanobiotechnology fairing in India, he told BioSpectrum, "Nanobiotechnology is doing very well in the country. Major researches has come out of NCBS proving to be very outstanding matching international standards."

Shri Srivatsa emphasized that no part of human life will remain untouched by Nanotechnology and Nanotechnology. "The Ebola virus vaccine is being developed using nano particles. Researchers are turning to Nanotechnology for finding a cure for this dreaded disease," he opined.

Prof. AK Sood told BioSpectrum that the new nano park is expected to be unveiled in the next 3 to 4 months. "The initial investment that has gone into this has been about Rs 50-60 crore, and it will add up further phase-by-phase," he told.

The top Indian institutions in this area are located in Bangalore - IISc Bangalore being one of them, along with National

Center for Biological Sciences (NCBS) and Jawaharlal Nehru Center for Advanced Scientific Research (JNCASR).

Talking about Bangalore India Nano, Shri SR Patil said, "In my opinion, this is a historical event. Karnataka is the second largest technology cluster on the planet. In the future, Nanotechnology is expected to have impact on almost every field possible including biotechnology, agriculture, food technology, medicine, healthcare and environment, electronics, renewable energy, IT and material science."

India's first premier nano institute is emerging in the outskirts of Bangalore. Under the guidance of Prof. CNR Rao, this institute will be developed into a hub for Nanotechnology in the country. "We are also planning a nano park with an incubation center to promote Nanotechnology industry in the state. In the future, Bangalore will be called as the 'Nano-capital' of India," he added.

Last year, the 6th edition of Bangalore India Nano witnessed more than 600 delegates, with the participation of 245 organizations from 12 countries along with 500 graduate students, and 45 top experts in the industry.

This year, the event will include product & technology tradeshow, pre-conference tutorials, keynote talks by eminent guests, poster session, Nano for the Young, Research Industry Collaboration Hub (RICH), and InterlinX, which is a partnering tool and networking reception.

The main highlight in this years' edition is the tutorials on nano fabrication, scanning probe microscopy and transnational new medicine. More than 500 participants are expected from 13 to 14 countries to be present at the event.

Also, Prof. CNR Rao Bangalore INDIA NANO Science Award and Bangalore INDIA NANO Innovation Award will be presented at the event for distinguished personalities with achievements in Nanotechnology.