

Nanotechnology in India

List of companies in nano-Biotechnology

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Nanobiotechnology Companies in India

S/No	Company Name, Location, established Date	Products, services and mission statement	CEO, number of employees	Annual turnover, Annual report, profits etc	Other information
1	Dabur Research Foundation – research arm of Dabur Pharma, Ghaziabad (U.P.) nano-based research since 1997	Nanoxel™, Contract research: Co-Development of Nano-polymer & Liposome based Drug Delivery Systems Formulation Development of Solid & Injectable Dosage forms for Cytotoxics	Dr Anand Burman (Chairman), Around 200 scientists	Annual profits 29.90 crores (34 % increase) (2006-07) Annual turnover 322 crores (increment of 19.10%)	This nanoscale drug delivery system is India's first indigenously developed nanotechnology based chemotherapy agent. It is a cremophor-free water soluble formulation and is an effective and safe therapy for advanced breast, non-small-cell lung, and ovarian carcinomas.
2	Nano Cutting Edge Technology Pvt Ltd - Nanocet®, Mumbai	Silver-Nano gel Gold- Nano gel Biostabilised Iron-Palladium nanoparticles Undertake contract research & new product development work based on product designing, drug delivery system.	Dr K.M. Paknikar		NANOCET has mastered a new approach of Material Science and Engineering through Biology. A variety of semiconductor and transition metal nanoparticles have been synthesized using a repertoire of metal interacting microorganisms. These methods are eco-friendly and less energy – intensive as compared to conventional methods
3	Velbionanotech, Bangalore March 2002	bionanochip, nano medicine, nano material, Microdoctor, nano sensors and herbal medicine. Designing DNA based drug for heart disease, kidney stones, AIDS, cancer, cosmetic generic products	Mr Joseph Asantraj		Ranked Asia's top 100 nanobiotech by Red Herring, 2005

Nanobiotechnology Companies in India

4	India Nano (Intellectual Property holding arm of the IndiaCo group)	Its "Innovation Acceleration Network™ (IAN™) is designed to bridge the gap between invention and commercial reality. It catalyzes public-private partnerships to create commercially viable nanotechnology enterprises.	Mr. Rahul Patwardhan		
5	Monad Nanotech Pvt Ltd, Mumbai 30th Jan 2004 http://www.monadnano.com/	Ultra low cost MWCNT1-3 Nano beads 1-2, nano fibers 1-4, fibrous carbon nano size metals and porous carbon gas diffusion fuel cell electrodes	Dr Madhuri Sharon Managing Director		It is the first Indian company to produce Carbon Nano Materials in India at commercial level Agency of Shenzhen Nanotech Port Co. Ltd., (NTP) China for sales rights in India and Canada. Agency of Meijo Nano Carbon, Nagoya, Japan for world marketing rights for its products excluding Japan
6	Yash nanotech, Mumbai 1993	provide global nanotechnology business intelligence and consulting services to industries and investors worldwide Mission: "Everyone with eyes doesn't have vision And everyone with vision cannot see...beyond...vision beyond the obvious".	Anurag Gupta	Net profit 18.4 lacs (2007) as compared to 16.1 lacs (2006)	
7	Center for Advance Research & Development (CARD) - the research wing of Scalene Cyberbatics Ltd, Bangalore	"Nanotechnology based Nanoblaster technology - developed a new technique to blast cancer cells in the human brain and other parts of the human body.	Dr Rajah Vijay Kumar (Director)		'Rational field quantum magnetic resonance' (RFQMR) generator'-non-invasive technique to regenerate dying tissues in the body that cause serious disabilities in arthritis patients. Technique to detect cancer at early stage.

Nanobiotechnology Companies in India

8	Bharat Biotech, Hyderabad 1996	Estrasorb	Dr. Krishna M. Ella Chairman and Managing Director		First to launch nanobiotech product in estrogen therapy in association with Novavax. The drug is loaded in a micellar nanoparticle formulation
9	Cranes software International Ltd, Bangalore	Micro-Electromechanical Systems (MEMS)	Asif Khader 800 engineers and scientists		Set up CranesSci MEMS Lab at IISc, Bangalore under the supervision of Dr. Rudra Pratap, Mechanical Engg. Dept.
10	SSB Technology, Mumbai	Nanocid			Tie-up with Tide Waters, Iran to market its products under the brand Nanocid.
11	Innovations Unified Technologies, Mumbai	supply small and bulk quantities of MWNT/SWNT produced by its pilot plant in three different grades			Brainchild of IIT, Mumbai alumnus.
12	Forevision Instruments, Hyderabad 1997	Leading supplier of SEM, TEM, SPMs- STM, AFM, X-Ray Analyzers, Microwave Digestion Systems Mission: To be a reliable source for high quality, sophisticated high-end equipments and technical/applications support for customers”	Founders: T Sai Kamaraju (India) and Rao Tetali (USA),		
13	Veeco Instruments Inc. July 2005	Nanoman™ : most advanced high-end SPM for direct nanoscale manipulation and nanolithography Digital Instrument CP-II™ SPM NT1100, a bench top-Optical Profiler: sub-nanometer surface roughness and millimeter-scale steps with high resolution, repeatability and speed			Veeco-.India Nanotechnology Laboratory established and jointly operated by JNCASR, Bangalore.
14	Tata Chemicals Innovation Centre, Mumbai 2005	Working on inorganic nanoparticles	Dr. Murali Sastry 20 scientists		Collaboration with NCL, Pune.

Nanobiotechnology Companies in India

15	Panacea Biotech, New Delhi	Nanoparticle-mediated delivery of non-steroidal drug to eye. Mission: Innovation in Support of Life	Mr. Soshil Kumar Jain, Chairman Over 250 scientists along with 2800 workers	Net turnover Rs 8315.5 million (2006-07) as against Rs 5363.5 million (2005-06). Total income Rs 8615.1 million (2006-07) as against Rs 5434.5 million (2005-06)	Technology transferred by University of Delhi
16	Lifecare Innovations, Gurgaon May 2000	Fungisome-Liposomal Amphotericin B Fungisome gel: is the first tropical liposomal amphotericin B nano-drug in the world. A nanotechnology-based NDDS for sustained release of anti-TB drugs supported by the DBT and developed in collaboration with PGIMER Chandigarh has advanced to completion of toxicology studies and awaiting approvals for clinical trials.	Dr Jitendra Verma, MD		Pioneered the development and commercialization of liposomal pharmaceuticals in the country in the early 1990s-a liposome agglutination test for the diagnosis of syphilis.