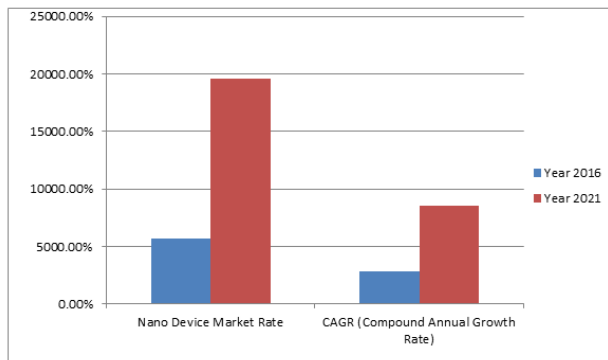


## Market Analysis of 23rd World Nanotechnology Congress

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According to the surveys, over 2.1 billion people lack safe drinking water at home, and around 1 billion people lack proper sanitation. Potable water has been a growing unease in the world for relatively a few years, and this condition is primary to a demand for water purification which is generating prospects for the merchants within the nanotechnology market that had an estimation of \$48.89 billion as of 2018. Furthermore, owing to the application of [nanotechnology](#) in various sectors, the demand for the same is poised to observe an escalation at a profitable compound annual growth rate (CAGR) of 13.55% during the forecast period 2019-2025. The trade of semiconductors including diodes and [transistors](#) was valued at \$119.02 billion in 2018. This also reflects with the booming semiconductor market that had a valuation of \$420 to \$430 billion as of 2018, and the demand for semiconductors is going to observe the CAGR of 10%-12% over the forecast period 2019-2025. The nanotechnology application is mainly found in electronics and semiconductor invention sector, which is expected to grow at a significant CAGR of 15.01% through to 2025.

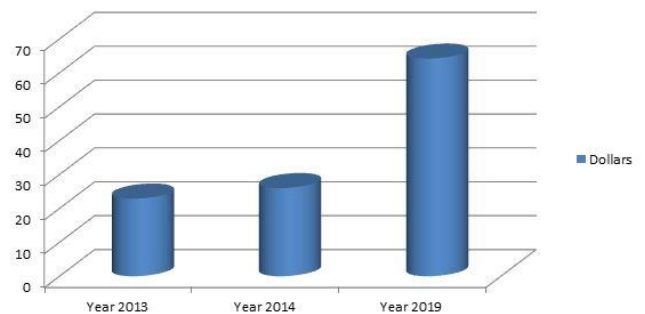


The Nano devices market should reach \$195.9 million by 2021, up from \$56.5 million in 2016, reflecting a five-year CAGR of 28.2%. Nano tools totaled 16.6% of the market and Nano devices the remainder. By 2021, nanomaterials' market share is expected to increase to 85.3%, while Nano tools' share shrinks to 14.5%, and Nano devices' share increases somewhat from 0.1% to 0.2%. [Biomedical](#), consumer, and

electronics applications should demonstrate the highest projected CAGR rates.

Market trends and developments that clearly focus the zones proposing promising possibilities for industries to boost their growth. In 2017, the global nanotechnology market has shown outstanding growth due to factors, like growth in government and private sector funding for R&D, partnerships & strategic alliances between countries, and increased in demand for smaller and more powerful devices at affordable prices. At present, the healthcare industry is one of the largest sectors where nanotechnology has made major breakthrough with its application for the diagnosis and treatment of chronic diseases like heart ailments, cancer, etc. Further, significant developments are also being done in other sectors like electronics, agriculture, and energy. The global market for nanotechnology products was valued at \$22.9 billion in 2013 and increased to about \$26 billion in 2014. This market is expected to reach about \$64.2 billion by 2019.

Nanotechnology Growth Rate



Nanotechnology refers to a wide range of technologies conducted on functional systems at the nanometer scale. It can be said that nanotechnology is the ability that can be projected to construct items either using the bottom-up approach or using the top-down approach, whereby top-down nanotechnology is considered to be the most well-established form of nanotechnology.

In the year 2018, Information and communication technology industry held the major share in the nanotechnology market

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accounting for almost 55% and followed by energy with a share of 40% during the forecast period of 2016 to 2025.

The nanotechnology market can be segmented by type, application, end-user and geography exclusively. The market is categorized in to various categories such as nanocomposites, nanofibers, Nano ceramics, Nano magnetics and more based on the types of nanotechnology commercially available. Every single type of nanotechnology differs greatly and the composition is different with different technical specifications. The crucial user segments include electronics & semiconductors, biotechnology, textile, military, healthcare, pharmaceuticals, food, automobiles and others. Increasing importance on renewable and sustainable energy sector with the use of low cost materials fuels the growth of nanotechnology.

The importance can also be measured by the increasing research expenditures worldwide: In 1998 governments all over the world spent around \$600 million on research and development in nanotechnologies; in 2002, this expenditure totalled \$2.1 billion; and in 2006 investments of nearly \$6 billion were expected. European spending in development nanotechnology is similar to that of the US and Japan.

Nanotechnology has the potential to lead the next industrial revolution. Nanotechnology is one of the top-ranked subjects in the academic and research field. It enables the technology which generates new capabilities, products and markets and so on. The global market for nanotechnology products was priced \$22.9 billion in 2013 and sudden increased to about \$26 billion in 2014. This market is expected to reach about \$64.2 billion by 2019; a compound annual growth rate (CAGR) is 19.8% from 2014 to 2019. The global market for nanotechnology-enabled printing technology was estimated to be at total \$14 billion in 2013. The market is expected to grow at a compound annual growth rate (CAGR) of 17.7% over the next five years and to total \$31.8 billion by 2018.

This conference is focusing on all the major aspects in the fields of Nanotechnology. It would be beneficial for all the students and Researchers who ever willing to enter into corporate worlds targeting to the respective fields. Nanotechnology has the potential to lead the next industrial revolution. Nanotechnology is one of the top-ranked subjects in the academic and research field. It enables the technology which generates new capabilities, products and markets and so on. The global market for nanotechnology products was priced \$22.9 billion in 2013 and sudden increased to about \$26 billion in 2014. This market is expected to reach about \$64.2 billion by 2019; a compound annual growth rate (CAGR) is 19.8% from 2014 to 2019. The global market for nanotechnology-enabled printing technology was estimated

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