

2020 Market Analysis of Advanced Nano Research and Nano Tech Applications Conference

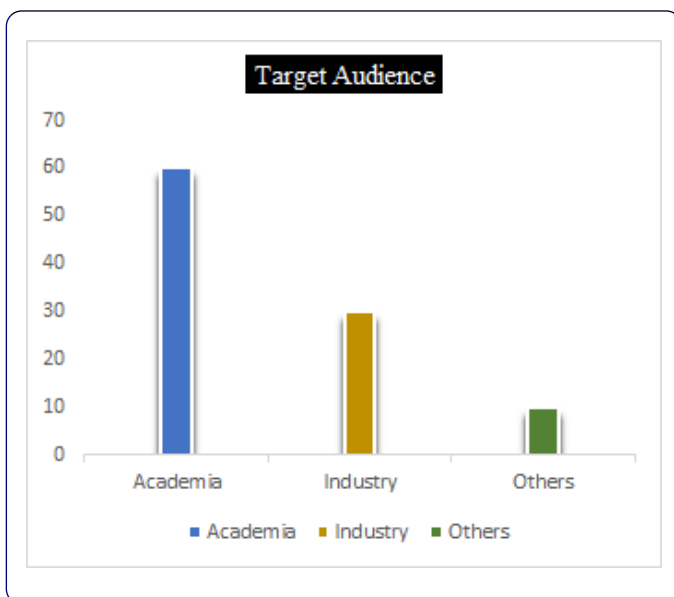
Mustafa Khamis

Professor, Department of Biology, Chemistry and Environmental Sciences, College of Arts and Sciences, American University of Sharjah, United Arab Emirates, E-mail: mkhamis@aus.edu

Introduction

Nanotechnology is the improvement and engineering of devices so small that they are measured on a molecular scale. This developing field involves scientists from many different disciplines, including physicists, chemists, engineers, information technologists, and material Researchers, as well as biologists. Nanotechnology is being applied to almost every field imaginable, including electronics, magnetics, information technology, materials development and biomedicine. There are numerous areas of concern in the Nano science and nanotechnology market which are expectable to be explored in the approaching years, for instance, nanoparticles of metals and semiconductors, nanowires, nan biological systems and nanotubes,. Nano Advances 2020 greetings attendees, presenters, & exhibitors from all over the world to Bangkok, Thailand. We are delighted to invite you all to join & register for the international conference on "World Congress on Advanced Nano Research and Nano Tech Applications " which is going to be organized during September,2020 in Sydney.

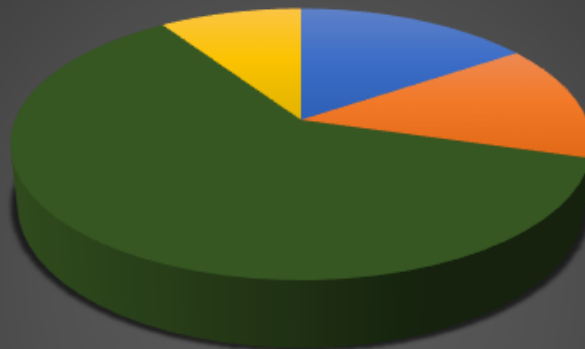
economy, in addition to healthcare, consumer products, energy and agriculture among others. It is often seen as a new industrial revolution, and is incrementally attracting worldwide attention owing to its wide range of end-uses. Nanotechnology has huge development prospects owing to a wide range of potential products & applications, and there is an enormous scope for its commercial extension. The global nanotechnology market is expected to grow at a CAGR of around 17.5% during 2016-2022. Thus, there lies a huge chance for industry participants to tap the fast growing market. In the newest research survey, 'Global Nanotechnology Market Outlook 2022' the analyst have conducted a segmented research of the nanotechnology industry and have explicate the key market trends to clearly highlight the areas offering promising possibilities for industries to boost their development. In 2015, the global nanotechnology market has shown impressive development supported by certain prominent factors, like acquiring significant amounts of public and private investments in R&D, partnerships & strategic alliances between the countries. At present, the bio-medical industry is one of the largest sectors in which Nano-enabled products have made crucial contributions, majorly in healthcare industry, with significant growth being done in other topics like electronics and energy as well. In this report, the analysts have considered the present nanotechnology marketplace on segment basis (by application, by component and by region), while covering the present market scenario as well as contributing forecasts for each of the indicated segments till 2021. The report covers an in-depth analysis of all the important segments, taking into account the key growth taking place at global level, like creations of new opportunities by different countries for nanotechnology industry to develop products in divergent verticals and the emergence of advanced markets that can impel the growth of Nano science and Nanotechnology. The global market for the nanomaterial's in the year 2006 was around US \$14,000, and the global investments are to be increased 50% more by the ending of 2020.



Importance & Scope

Nanotechnology is growing as a several purpose technology with potential applications in many sectors of the global

Commercial



- Raw materials
- Biomedicine & Life Sciences
- Products, Applications, Instruments & Technologies
- Services, Intermediaries & Others

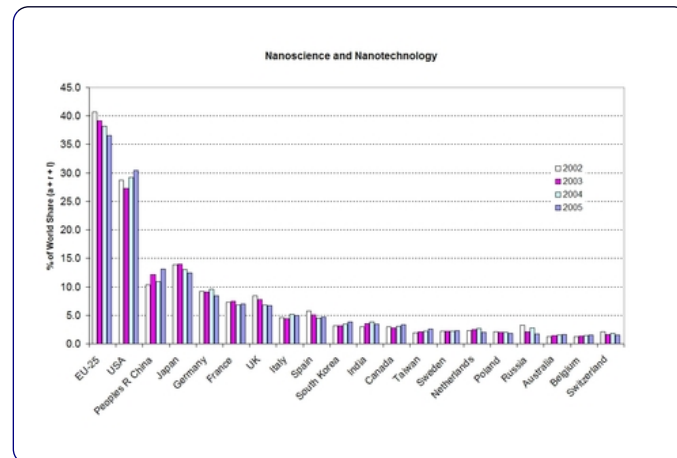
Why to Attend?

With members from around the world focused on learning about Nano science and Nanotechnology, this is your single best opportunity to reach the largest assemblage of participants from all over the world. Conduct demonstrations, distribute information, meet with current and potential customers, make a splash with a new product line, and receive name recognition at this 2-day event.

World-renowned speakers, the most recent techniques, tactics, and the newest updates in fields Nano science and technology, Materials and molecular nanotechnology, tissue engineering are hallmarks of this conference.

Nanotechnology Research Worldwide

Nanotechnology has been heralded as having the potential to lead to the next industrial revolution. Nanotechnology is one of the top-ranked subjects in the academic and research field. It is an enabling technology which generates new capabilities, products and markets and so on. 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; a compound annual growth rate (CAGR) of 19.8% from 2014 to 2019. The global market for nanotechnology-enabled printing technology was estimated to total \$14 billion in 2013. The market is expected to grow at a projected compound annual growth rate (CAGR) of 17.7% over the next five years to total \$31.8 billion by 2020.



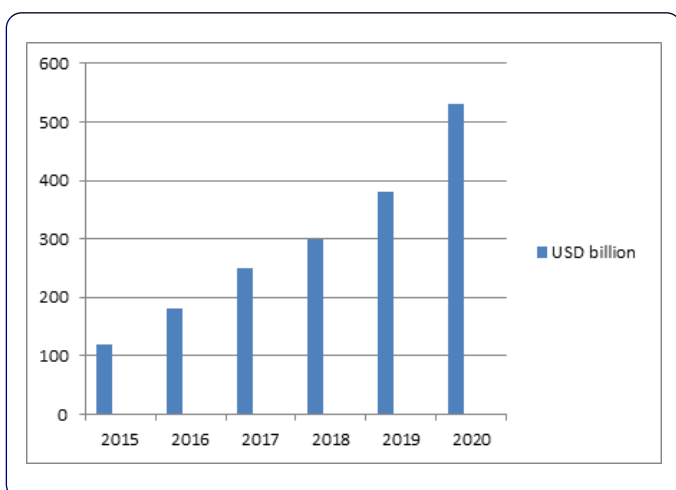
Market Growth of Nano science and Nanotechnology Research in the last and upcoming ten years

Nanotechnology is a rapidly growing technology with potential applications in many sectors of global economy, namely healthcare, cosmetics, energy, and agriculture among others. The technology is revolutionizing every industry, while tremendously attracting worldwide attention. Owing to its wide range of uses, the global nanotechnology market is expected to grow at a CAGR of around 17% during the forecasted period of 2018-2024. Thus, there lies a great opportunity for industry participants to tap the fast growing market, which would garner huge revenue on the back of commercialization of the technology.

Nanotechnology is a rapidly growing technology with potential applications in many sectors of global economy, namely healthcare, cosmetics, energy, and agriculture among others. The technology is revolutionizing every industry, while tremendously attracting worldwide attention. Owing to its wide range of uses, the global nanotechnology market is expected to grow at a CAGR of around 17% during the forecasted period of 2018-2024. Thus, there lies a great opportunity for industry participants to tap the fast growing market, which would garner huge revenue on the back of commercialization of the technology.

Market trends & developments clearly highlight the areas offering promising possibilities for industries to boost their growth. In 2017, the global nanotechnology market has shown impressive growth owing to factors, like increase 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 cancer, heart ailments, etc. Further, significant developments are also being done in other sectors like electronics, agriculture, and energy.

In this report, the analysts have studied the current nanotechnology market on segment basis (by application, by component and by region), so as to provide an insight on the current market scenario as well as forecasts of the aforementioned segments till 2024. The report provides an in-depth analysis of all the major segments, taking into account the major developments taking place at global level in the respective segments that will further boost the growth of nanotechnology market.



Further, the application section covers the use of nanotechnology in electronics, energy, cosmetics, medical, defence, and food and agriculture sectors; while the component section covers the segregation of nanotechnology market into nanomaterials, nanotools, and Nano devices.

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.

Be a part of it!!!

Members Associated with Nanotechnology:-

Research Positions:-

Research Associate

Research Scientist

Bitumen Research Associate

Business Operations Jobs:-

Product Manager

Strategy Director

Business Development Manager

Business Operation Analyst

Apart from the industrial personnel where most of the research work is done, other research communities include:-

Academicians include Student community.

Researchers include Postdocs, Research Associates.

Scientists include Professors, Associate professors, and Assistant professor.

Industries include Presidents, CEO's, and R&D Managers.

Major Advanced Energy Material's Associations around the Globe.

American Chemical Society (ACS)

American Physical Society (APS)

The Materials Information Society (ASM International)

Microscopy Society of America (MSA)

The Minerals, Metals & Materials Society (TMS)

Sigma Xi: The Scientific Research Society

International Society for Optical Engineering (SPIE)

The American Ceramic Society (ACerS)

International Association of Advanced Materials (IAAM)

Major Material's science Associations in Japan

National Institute for Materials Science

Journal of the Society of Materials Science, Japan - J-Stage

Japan Society for Composite Materials

The Society of Materials Science, Japan