

Market Analysis: The International conference on Advanced Materials Science and Engineering - Materials Congress 2020

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After gaining as awfully favourable outcome out of the past conference within the [Materials Science](#) cognition, CPD accredited- International Conference on Advanced Materials Science and Engineering – Materials Congress 2020; cognition takes all the pride in saying the future Conference within the productive series of Materials Congress 2020.

[Materials Congress 2020](#) - The two-day gathering of world-renowned researchers, man of affairs, specialists and practitioners of Materials Science & Engineering, Scientists, technology and Materials Science Associations and Societies is scheduled on November 16-17, 2020 in Paris, France.

Market analysis

The International conference on Advanced Materials Science and Engineering is that the study of all of the materials we tend to see around United States of America each day. Materials Science or Engineering forms a bridge between the sciences and engineering. It permits theory to be place into observe during a means that advantages everyone. Materials Scientists or Engineers consider all of the various teams of materials, metals and alloys, [polymers](#), ceramics and composites. They develop new materials for brand new applications, improve existing materials to administer improved performance and appearance at ways in which within which completely different materials is used along.

Market Growth of Materials Science within the last and future 10 years

The worldwide material market was prestigious at \$149 million in 2015, and is relied upon to succeed in \$1,387 million by 2022, developing at a CAGR of thirty-nine.7% amid the gauge timeframe. Material mediums are characterised as naturally visible [composites](#) having an artificial, three-dimensional, occasional cell engineering supposed to deliver associate degree increased combine, not accessible in nature, of a minimum of 2 reactions to a selected excitation. They indicate extraordinary physical properties, as an example, negative permeability and [permittivity](#). The hugeness of materials is that they allow specialists to manage wave proliferation by organizing the

unit cells in varied ways in which. as an example, but copper may be a good channel and appears bronze in shading, a materials [composed](#) out of copper is engineered to be a setup and replicate yellow. Central points that drive the market development are capital speculation from open and personal sources and passing gifted specialists for item exploitation. Also, the exceptional engineered properties of fabric mediums aren't found in nature, creating them innately important. Be that because it could, wasteful analysis notwithstanding vast [speculation](#) is needed to limit the market development.

Europe accounted for 33% market share in global nanotechnology market revenue in 2015 after Americas region and is forecast to grow at a CAGR of 15.6% to reach \$3.98 billion by 2021. APAC region is projected to grow at a rate of 20.9% CAGR during the forecast period 2016-2021.

The analysis report informs that the global nanoparticle market is expected to reach USD 91.1 million by 2020 at a CAGR of 5.4% from 2015-2020. The market growth is being improved due to the increased emphasis on Nano [technological](#) research and funding provided by the government to carry out the R&D in this domain. The markets of China, Brazil, India and South Africa are attaining high growth prospective for the companies involved in R&D of nanotechnology and nanoparticle analyzing instruments distribution.

The prime position in global nanoparticle analysis market was occupied by the Malvern [Instruments](#) Ltd in U.K. in the year 2014 and over the past few years it has adopted various advances and strategies to maintain its prime position in the global market. The other companies such as HORIBA Ltd. (Japan), Beckman Coulter (U.S.), Shimadzu Corporation (Japan), Agilent Technologies, Inc. (U.S.), Microtrac, Inc. (U.S.), Hitachi, Ltd. (Japan), JEOL Ltd. (Japan), Bruker Corporation (U.S.), TSI Incorporated (U.S.), and Wyatt Technology [Corporation](#) (U.S.) also holds a good position in the nanoparticle analysis market.

The global market of material science is evaluated to reach a value of \$6000 million by 2020 and is expected to inscribe a CAGR of 10.2% between 2015 and 2020. The north of America holds the largest market followed by Asia-Pacific. The Europe market is estimated to be growth at a steady rate due to economic recovery in the region

along with the increasing concern for the building insulation and energy savings.

The [global](#) composites market for core materials is estimated to increase from USD 1.17 Billion to USD 1.92 Billion from 2016 to 2020 respectively and a CAGR of 8.77% is expected between 2017 and 2022. There may be increase in the market of core materials as manufacturers of materials are signing supply agreements with end-use [industries](#) to hold on and improve their market in the composites.

The global market of microspheres and flexible pipe market is estimated to reach USD 6.68 Billion by 2022 with a CAGR of 9.02% between 2017 and 2022 and USD 1,111.3 Million with a CAGR of 4.0% between 2017 and 2022.

The cooling fabrics market was valued at USD 1.80 Billion in 2016 and is roughly calculated to reach USD 2.94 Billion by 2021, at a CAGR of 10.3% from 2016 to 2021. The global conductive textiles market was valued at USD 1.02 Billion in 2016 and is projected to reach USD 2.11 Billion by 2021, at a CAGR of 15.6% from 2016 to 2021.

According to the International Trade Center (ITC), the trade value of primary cells and batteries was evaluated at \$8.894 billion in 2018.[1] A significant part of this value is attributed to demand [influx](#) in the lithium ion battery market, which is [powering](#) sales for the carbon nanomaterials market; a substantial segment of the nanomaterials market valued at \$48.12m in 2018. Furthermore, the demand for nanomaterials across a gamut of industries is poised to increase at a CAGR of 13% during the forecast period 2019 to 2025.

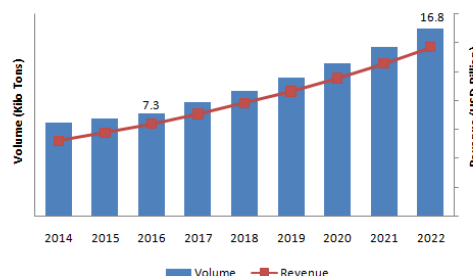
Owing to lucrative growth prospects in the consumer electronics industry, the [nanomaterials](#) market is thriving in the APAC region. Furthermore, the booming energy sector in the region is also offering robust growth prospects to vendors. APAC had the greatest nanomaterials market share, with 32%, in 2018.

Nanomaterials refer to materials sized between 1nm to 1000nm, and include metal-based nanoparticles, one-dimensional nanostructures, two-dimensional nanostructures, bulk nanostructured materials, and carbon nanotubes that are used in a myriad of industries ranging from paints and coatings to adhesives and sealants, healthcare and life science, energy, electronics and consumer goods, personal care, and others.

According to the Global System for Mobile [Communications](#) (GSMA), by 2020, almost 5.7 billion people will subscribe to mobile services.[2] This is expected to create demand for nanomaterials such as chips, which are prominently used in mobile phones, owing to their small size which allows the device memory to be larger. Furthermore, the semiconductor market is offering a myriad of opportunities to vendors in the nanomaterials market. The application of nanomaterials

[electronics](#) and semiconductors is poised to grow at a CAGR of 14.5% through to 2025.

Global Nanomaterials Market, 2014 – 2022 (Kilo Tons) (USD Billion)



Reach for any queries!

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