

## 2020 Market Analysis of Atomic, Molecular and

## Plasma Physics Conference

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Conference series LLC Ltd is organizing Atomic Physics Conference in 2020 at Vancouver, Canada. We organize Physics Meetings in the fields related to Atomic Physics, Nuclear Physics, Nanotechnology, Quantum Nuclear Physics, Nuclear Engineering, Atomic Spectroscopy and Atomic Collisions, Quantum Science & Technology. On this auspicious occasion, Conference Series invites the participants from all over the globe to take part in the Atomic, Molecular and Plasma Physics at Vancouver, Canada August 24-25, 2020

Atomic Physics systems has been increasing due to the developing necessities of the industries as well as the substantial demand. Atomic Physics market is estimated to reach USD 5.60 Billion by 2020, rising at a CAGR of 6.0% through the calculation period of 2015 to 2020. North America probably is expected to have the largest share, in the upcoming years; the atomic physics market is expected to see the maximum growth rate in the Asia-Pacific region, with accent on India, China and Japan. Some of the key players in the global atomic physics market comprise Agilent Technologies (U.S.), PerkinElmer (U.S.), Thermo Fisher Scientific (U.S.) and Bruker Corporation (U.S.).

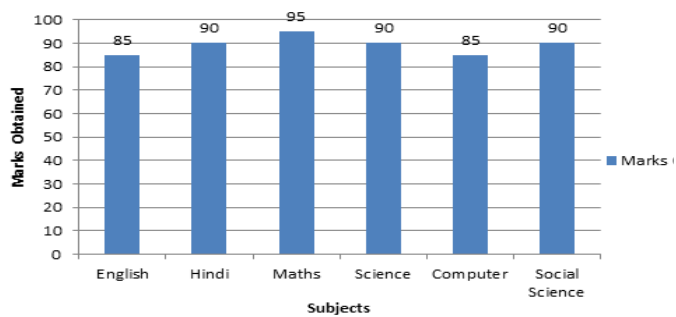
The atomic force microscopy market was valued at USD 441 million in 2019 and is projected to reach USD 586 million by 2024; it is expected to grow at a CAGR of 5.8% during the forecast period. The key drivers of atomic force microscopy are committed support from several governments to promote nanotechnology and Nanoscience research and development.

The global molecular spectroscopy market is expected to reach USD 6.85 billion by 2022 from USD 4.98 billion in 2017, at a CAGR of 6.6%. The growth of this market is majorly driven by food safety concerns, the growth of the pharmaceutical and biotechnology industry, technological advancements in molecular spectroscopy and application of molecular spectroscopy in environmental screening.

The rising levels of environmental pollution, coupled with the severe depletion of natural resources, are the major factors that have brought into effect several laws and regulations to monitor environmental pollution levels. For instance, in the U.S., the Safe Drinking Water Act (SDWA), Clean Water Act (CWA), and Resource Conservation and Recovery Act (RCRA) focus on regulating the quality of the environment through the use of analytical tools, such as molecular spectroscopy. In environmental applications, molecular spectroscopy is used in the following areas:

- Wastewater Treatment: To analyze the changes in the concentration/composition of inlet water
- Water Safety Analysis: To quantify bacterial concentration levels and the concentration of other constituents in water samples
- Measurement of PAH (Polycyclic Aromatic Hydrocarbons) Levels in the Environment: To monitor PAH levels, as this substance is shown to cause carcinogenic and mutagenic effects and is a potent immunosuppressant

The global cold plasma market size is projected to reach USD 3.1 billion by 2024 from USD 1.5 billion in 2019, at a CAGR of 15.6%. In the current regulatory climate-where the focus on sustainable techniques has risen-it is expected that the benefits of cold plasma will ensure its greater adoption in the years to come. Innovations in textile production and growing food safety concerns are the major factors driving the growth of this market.



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