

Message from the Chinese Chemical Society

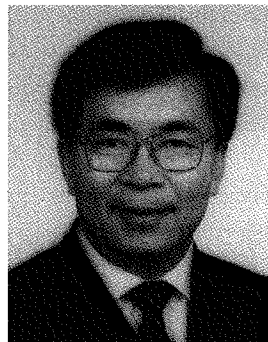
Chinese Chemical Society Congratulates the Chemical Society of Japan for the 125th anniversary of her foundation and wishes new achievements in the future.

During the past decades, there have been extensive academic exchange between Chinese and Japanese chemical communication. The successful exchange is very important and increases the understanding between the two countries.

Chemistry is essential to life sciences, biotechnology, agriculture and so on. In the new century, Chemistry will play crucial important roles in the development of natural science and the improvement of human life.

One of the important roles of Chemistry is for nanoscience and nanotechnology.

Nanoscience and nanotechnology is an emerging field of research and development focusing on the artificially fabricated structures in the nanometer scale (ca.1~100 nm). The shrinking sizes of structures will lead to a whole new world of quantum phenomena actively made use of in electronic, magnetic, biochemical and optical devices. Nanoscience and nanotechnology is the creation and utilization of materials, devices, and systems through the control of matter on the nanometer-length scale. Its essence is the ability to work at these levels to generate larger structures exhibiting novel physical, chemical, and biological properties and phenomena. The aim of nanoscience and nanotechnology is to learn and exploit these properties and efficiently manufacture, and employ the structures. One facile approach in constructing nanostructures is the technique of "bottom-up", which make use of the advantages of chemical method and synthesization. Special chemicals and novel materials are still the crucial prerequisite for the new field. The improvement of human life will much depend on scientific and technological achievements. The new century is waiting for the contribution from Chemistry and chemists.



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