The book you are holding now is prepared by the efforts of Zhejiang Shuren University and Belarusian State University professors, celebrating their 10th anniversary of close and fruitful collaboration.

It has come to be recognized in recent years, that the science of Chemistry is central to addressing the problems facing the environment. Through the utilization of the various subdisciplines of Chemistry and the other natural sciences, there is an increasing appreciation that the emerging area of green chemistry is needed in the design and attainment of sustainable development. A central driving force in this increasing awareness is that green chemistry accomplishes both economic and environmental goals simultaneously through the use of sound, fundamental scientific principles.

Formed in the late 90s of the XX century Green Chemistry (GC) has become today one of the leading scientific paradigms underlying the development of modern industrial production not only in the chemical industry, but also in other industries that use chemicals. The book's main idea is to educate researchers, young learners by providing a deeper understanding of GC concepts, and promote the relationship between industry and academia. This is the challenge for the future of the chemical industry, its development being strongly linked to the extent to which environmental and human needs can be reconciled with new ideas in fundamental research. If companies are able to meet the needs of society, people will influence their own governments to foster those industries attempting such environmental initiatives. The book comes in very timely as it enhances the quality of high education in Chemistry by the development of GC component. The differentiation of the GC and Sustainable Chemistry (SC) meanings also dictates that it is needed 'to mainstream GCE and SCE into chemistry and other education curricula and teaching, including gathering and disseminating best practice and forging new and strengthened partnerships at the national, regional and global level. There is the identification of suitable pedagogical approaches to teaching and learning GC to foster and improve scientific literacy in sustainability and to develop the corresponding skills among the present and future generations. It is very beneficial to introduce GC curricula into the educational system of the countries that are at the early stage of GC education. It is very important that China and Belarus cooperate in the direction of a Green and Sustainable future.

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