Analytical and bioanalytical science in China

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In the past few years, analytical and bioanalytical science in China has seen rapid development. According to the practical requirements put forward by diverse fields related to human health, such as life science, environmental science, and food safety, much effort has been made to improve the selectivity, sensitivity, speediness, accuracy, and automation of complex sample analysis. Therefore, various novel materials, methods, techniques, and platforms have been developed, and have been successfully applied to the profiling or target analysis of proteomes, metabonomes, natural products, environmental pollutants, food additives, and so forth, and have shown superiority to achieve high-efficiency sample preparation, high-resolution separation, and high-sensitivity detection. Furthermore, much attention has been paid to the development of novel techniques to study the interaction, imaging, and location of molecules.

On one hand, Chinese scholars are encouraged to do their best to carry out interdisciplinary research. Especially

with the adoption of physical knowledge, much effort has been made to design novel analytical instrumentation to carry out original and innovative research. On the other hand, various analytical and bioanalytical methods have been developed to solve problems proposed by practical applications. Therefore, as a tool subject, analytical and bioanalytical science in China is playing an important role in modern society.

This special issue, with 17 papers, including three reviews, 13 original papers, and one short communication, can only reflect the tip of the huge iceberg of analytical and bioanalytical science in China. We hope that through the publication of this special issue with the contributions of Chinese scholars, the worldwide scientific community will become more and more acquainted with the research being carried out in China.

We are looking forward to your kind comments, suggestions, and cooperation.

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