

Guest Editorial

“New Horizons in Analytical Sciences of Functional Materials”

We are pleased to present a special issue of *“New Horizons in Analytical Sciences of Functional Materials”* in January 2020. In order to enjoy the present cultural life in the future, a reduction of the global environmental burden, such as an effective use of natural energy and the realization of a sustainable society, is an important issue. Advanced functional materials, such as highly efficient energy materials, new integrated circuits supporting an advanced information society and environmentally friendly materials, are keys to building a sustainable society. Analytical science plays a great role in exploring the functions of materials and in producing more advanced materials.

In the present special issue, functional materials such as lithium ion batteries, catalysts, photocatalysts, electrocatalysts, phase-changing materials, emitters, adsorbent materials, and plasmonic nanoparticles are highlighted. Further, functions of materials are considered based on state of the art analytical methods. Moreover, emerging new analytical methods are being employed to establish new fields of analytical applications. We have confidence in the strength of analytical chemistry, and hope that analytical science will drive the development of the innovative functional materials that will bring a bright future to Earth.

As guest editors, we would like to express our sincere and deepest appreciation to all authors dedicated to this special issue, and also to the peer reviewers and office staff member of JSAC for their kind cooperation in its preparation.

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