
SPECIAL ISSUE ON

THE ADVANCES IN GREEN ANALYTICAL SCIENCE

CALL FOR PAPERS

In our journal *Advances in Analytic Science*, a special issue is calling for papers about the advances in green analytical science.

If an analytical problem is solved properly with zero or minimal deleterious effect on the environment and operators, the method is taken as a green analytical method. It is very reasonable to optimize analytical processes to provide the required information in a way that is inherently safe, non-toxic, and environmentally friendly, with less generation of waste and the least possible consumption of materials and energy. To avoid processing large numbers of samples that are required for full quantitative analysis in large labs, screening methods for simple qualitative measurement are employed, and full quantitative analysis should be replaced by ion-site and in-vivo technologies. Due to the consumption of only a small number of solvents, reagents, and samples, capillary electrophoresis (CE), microfluidics, and sensors, which are considered green can be powerful tools for determining various chemicals in different matrixes.

However, the level of sensitivity of green methods is insufficient. Therefore, pre-treatment of analytical samples is basic. Sample preparation typically requires organic solvents. Electrochemistry, chemical sensing, mass spectrometry (MS), and nuclear magnetic resonance (NMR) can help eliminate or reduce sample preparation.

In this issue, we sincerely invite scholars to submit articles about green analytical science. This subject is not old, and someone even doesn't consider it a subject. Anyway, green analytical science is essentially valuable for the environment and creatures. Potential topics are suggested but are not limited to: **reuse of devices, fundamental developments facilitating green analytical chemistry technologies, alternative solvents, replacing hazardous compounds, reducing time and energy, solventless extraction techniques, etc.**

For more details, you can view them via the following link: <https://aber.apacsci.com/si.php/index/detail?id=17>

Submission Deadline: August 23, 2023

Publication Date: Jan 2024

SI Website: <https://aber.apacsci.com/si.php/index/detail?id=17>

This Issue is now open for submissions. Manuscripts should be submitted online at aber.apacsci.com by registering and logging in to this website. Then you can submit the manuscripts.

Papers are published upon acceptance, regardless of the Special Issue publication date.