

Special Issue

Analytical Methods for Nanomaterial Determination

Message from the Guest Editors

To date, the requirements for assessing ecological and health risks related to NPs have made clear that the determination of nanoparticles is an emerging field of analytical chemistry. Among the available fractioning, counting and ensemble techniques for sizing and determination of NPs, atomic absorption spectrometry (flame and furnace) and inorganic mass spectrometric systems (e.g., inductively coupled plasma mass spectrometry ICP-MS) are unequivocally at the forefront of noble metals and magnetic NPs analysis.

Unequivocally, the matrix complexity, as well as the low concentration or heterogeneity of NMs in the sample, are among the limitations that must be addressed by the scientific community. Thus, the determination of NPs poses a significant challenge to analytical chemists. The scope of this Issue is to describe the state of the art and the continuous efforts in analytical methods for nanomaterial determination. **Keywords**

- nanoparticles
- analytical chemistry
- ICP-MS
- AAS
- nanotechnology
- instrumental analysis

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Message from the Editor-in-Chief

Methods and Protocols (ISSN 2409-9279) is an open access journal devoted to the publication of new procedural approaches and cutting-edge methodological developments. The ultimate objective of this new forum of scientific communication is to provide researchers with an indispensable tool, enabling better use of the latest scientific technologies. With a broad and totally interdisciplinary focus, *Methods and Protocols* was established with the objective of facilitating cross-fertilization and cross-talk in the scientific arena. Methods and protocols in Life Sciences, Chemistry, Biomedical Sciences, Engineering, and in their intersections such as Biotechnology and Nanotechnology will constitute the core of the journal. However, we anticipate that other fundamental disciplines such as Physics or Geology will be rapidly incorporated.

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