Special Issue

Analytic Techniques for Nano- and Microparticles Analysis

Message from the Guest Editors

Nano- and microparticles play a crucial role as materials, e.g., in chemicals, food/feed, cosmetics, pharmaceuticals and plastics, or as contaminants in the environment, in organism or products. To develop particle-based materials with the desired properties for certain applications, and to assess their human and environmental risks, particle analysis is required. Particle analysis focuses predominantly on particle size, shape, composition and concentration. Particle separation can be performed for two reasons: 1) to separate particles with different properties (such as size); or 2) to separate particles from a matrix (gas, water or more complex matrices, such as environmental and biological samples or food/feed). In most cases, particle characterization in complex matrices requires a separation (e.g., by AF4, SEC, HDC) of the particles from the matrix prior to the actual analysis (e.g., by MALS, UV, ICP-MS). This Special Issue invites contributions relating to all aspects of nano- and microparticle analysis including sample preparation strategies, instrumentation and applications. Dr. Katrin Loeschner

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2018)

Separations

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 4.5

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Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

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