Special Issue

Nanomaterial Characterization Methods: Leaping Towards Validation

Message from the Guest Editors

SCOPE: In this special volume, we openly invite papers on characterization methods that support the identification, registration, characterization of nanomaterials and that have been demonstrated via inhouse, intra-, and/or inter-laboratory comparison. Exemplary elements of a method standard operational procedure include: methods description, sample preparation, instructions, data reduction and evaluation, benchmarking or validation of results. In this context. contributions that report on different (nano)forms of the same substance or other systematic variations of nanomaterials are welcome. REGULATORY RELEVANCE: There is particular interest in contributions that can support, by robust scientific data, the further selection and guidance and standardization at OECD and ISO level. In this regard, there is high interest in methods documentation on materials where eco- and toxicological assessments have already been published elsewhere to allow future testing and calibration of grouping and predictive risk assessment methods. Lower priority will be given to novel and yet not validated methods.

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Deadline for manuscript submissions

closed (30 November 2020)



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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. Materials provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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