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- Pollution Prevention
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Special Issue of
Journal of Cleaner Production addressing
 “Development of Nanotechnology in Light of Sustainability”

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Nanotechnology is an enabling technology for a wide variety of traditional scientific disciplines. This had led to high expectations that nanotechnology will be a key technology for improving people's standards of living, in the short-term by significantly improving existing processes and products and in the long-term by providing revolutionary and life-changing advances across a wide variety of industries from cancer treatment, light-weight materials to renewable energy. However, the novel properties that make nanotechnologies so interesting have also raised many unanswered questions and concerns related to the impacts nanotechnology may have on society and the environment from the vantage point of sustainability. Sustainable technologies are, in our view, characterized by high benefits, low risks for the short and long-term and social acceptance. It is important to recognize that technologies are not invented in a vacuum, but emerge from the interplay within a wide constellation of societal activities and actors.

This Special Issue focuses on different facets of sustainable nanotechnology development. It shows the progress that has been made in this field and highlights important achievements and gaps at theoretical as well as applied levels.

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The papers in this Special Issue of *Journal of Cleaner Production* are of interest and relevance to a broad range of readers. We hope that this Special Issue will foster dialogues between different stakeholders, but also provide ideas and opportunities for different research disciplines to combine their strengths while pursuing their research of nanotechnology in light of sustainability.

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