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Sustainability Assessment of Environmental Technologies

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Message from the Guest Editor

There is an urgent need to develop and use environmental technologies that can contribute towards a more sustainable society. As technological, environmental and economic assessments use different perspectives, they are often done independently using separate models, with different assumptions at different technology readiness levels (TRL). To facilitate the development of technology towards all three dimensions, integration is needed, taking into account the interlinkages and possibly the correlations between the different dimensions. Sustainability assessment brings economic, social and environmental information together. The combination of different metrics combining environmental and economic aspects is an interesting approach to assess sustainability performance. Techno-economic assessment (TEA), life cycle costing (LCC), life cycle analysis (LCA) and cost-benefit analysis (CBA), including the valuation of externalities, are important methodological components towards sustainability assessments.

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Message from the Editor-in-Chief

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