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Are regional features a key to globalize sustainability in chemistry?

Green Chemistry and sustainability in Chemistry are important topics since more than two decades. A couple of standards and public regulations have been defined, in particular in industrialized countries. The chemical industry nowadays checks their processes and activities with respect to sustainability. Frame conditions for these developments, however, differ entirely between different nations. Several local and regional aspects require diverse applications in the design of effective sustainable concepts. Hence globalization of Green Chemistry cannot be based on an application of a single standardized plan. Rather a globalized basic frame of targets should be aspired to reach the collective good. In realization regional aspects have to be considered. They should intend optimal applications of sustainability with respect to environmental, national and political frames. Reaching such globalized way of thinking can, however, not be managed within a few years. It is necessary to agree on globally long-term concerted approaches, which incorporate various regional necessities. And it is essential to globalize the ideas of sustainability and worldwide interactions, which will be generally accepted and regionally applied.

Biography

Lothar Brecker received his diploma and PhD in Chemistry from the University of Dortmund in 1993 and 1996, respectively. After working at Graz University of Technology and Research Center Borstel, he became an Associate Professor at the University of Vienna. There he actually serves as Vice Dean of the Faculty of Chemistry, Director of the Chemistry Studies Program and Deputy Head of the Department of Organic Chemistry. His main research activities are in the fields of using NMR to study enzyme ligand binding, interactions between small molecules, and structure determination of natural products. He has published 90 papers in reputable journals.

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