Special Issue

Catalysis for Flavours and Fragrances

Message from the Guest Editors

Fine chemicals in general and, particularly, in flavours and fragrances, are very interesting and attractive objects for research and various industries. The market size of flavours and fragrances is 104 tons annually and includes about 3000 compounds, of which menthol and vanillin are the most popular. Catalysis is successfully applied in most chemical technologies, including the production of flavours and fragrances. Menthol, vanillin, linalool, and many other flavours are produced using catalysts. A wide variety of heterogeneous and homogeneous catalysts and enzymes are used for the synthesis of flavours. Catalysis solves different complicated problems of aroma production, including stereo- and enantioselective synthesis. Studies of new catalysts used for obtaining flavours and comparisons of their efficiency will allow for the better evaluation of the market prospects of flavours and fragrances. Research in this field is of great interest. Discussions on new catalytic processes and market prospects of flavours and fragrances are welcome.

Guest Editors

Prof. Dr. Valery E. Tarabanko

Institute of Chemistry and Chemical Technology of the Siberian Branch of the RAS, Krasnoyarsk, Krasnoyarsk Science Center of the RAS, Russia

Dr. Marina A. Smirnova

Institute of Chemistry and Chemical Technology of the Siberian Branch of the RAS, Krasnoyarsk, Krasnoyarsk Science Center of the RAS, Russia

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Catalysts
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
catalysts@mdpi.com

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Prof. Dr. Keith Hohn

Carl R. Ice College of Engineering, Kansas State University, Manhattan, KS, USA

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