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TOPIC(s) : Catalytic systems / Renewable carbon / Biomass conversion / Valorization of waste

Green Chemistry in Fragrances - Success and Challenges

AUTHORS

Kerstin SCHROEDER / SYMRISE AG, MUEHLENFELDSTRASSE 1, HOLZMINDEN

PURPOSE OF THE ABSTRACT

Keywords:

Flavor & Fragrance Industry, catalysis, renewable resources

Abstract:

Green Chemistry and Sustainability play an important role in the Flavor & Fragrance Industry. With more than 4000 ingredients the complexity is high. More than 60% of these ingredients are used by the entire industry but at quantities below 1 ton/annum.

However the quantity of a perfume oil in the final product is less than 1% (e. g. a laundry detergent) but it has a high visibility to the final consumer. The reason is the olfactive impression of the perfume oil.

Many ingredients have been well-established on the market for years and produced with conventional chemical synthesis. New catalytic methods, raw materials from renewable resources and more environmentally friendly products are changing the industrial environment of the aroma industry.

We will report on new catalytic processes for well-established products and new products from renewable feedstocks.

FIGURES

FIGURE 1

FIGURE 2

KEYWORDS

Flavor & Fragrance Industry | catalysis | renewable raw materials

BIBLIOGRAPHY

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