DESCRIPTION

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This successful book is devoted to biorefineries and biobased industrial technologies, and, as such, is directed towards the technological principles of biorefineries, green processes, plants, concepts, current and forthcoming biobased product lines, as well as the economic aspects. Since the hot topics of green chemistry and green processes are of a multidisciplinary interest, this book will benefit the whole spectrum of the process industry, including chemical engineers, process engineers, apparatus construction engineers, chemical industry, chemists in industry, and biotechnologists.

The editors and authors are all internationally recognized experts from industry and academia, including Dr. Patrick Gruber, the former Vice President and Chief Technology Officer at Cargill Dow, winner of the U.S. Presidential Green Chemistry Award and holder of more than 40 patents.

ABOUT THE AUTHOR

Birgit Kamm studied chemistry at the Technical University of Merseburg, Germany where she obtained her Diploma in 1986, and received her Ph.D. in Organic Chemistry in 1991 at the Institute of Organic Chemistry (with Prof. M. Schulz and Prof. E. Fanghänel). After receiving a grant from the German Federal Environmental Foundation in 1997, she joined the Institute of
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Patrick Gruber is currently President and CEO of Outlast Technologies. He is the former Vice President and Chief Technology Officer at NatureWorks LLC (formerly Cargill Dow LLC), USA. He has over 40 patents to his name and has repeatedly won top awards for his work in chemicals made from renewable resources, including the Discovery Award for Environmental Innovation awarded by the Christopher Columbus Fellowship Foundation, the US Presidential Green Chemistry Award, and the US Department of Energy Technology of the Year Award 2001, together with Cargill Dow Inc., for the pioneering NatureWorks PLA project. He has served on the Advisory Board to the Energy Futures Coalition, The DOE/USDA Biomass Federal Advisory Board, and several other boards.

Michael Kamm studied organic chemistry at the Technical University of Merseburg, Germany, where he graduated with his Diploma. After a research assistantship in Halle-Wittenberg he moved to Potsdam University, co-founded the research institute biopos e.V. where he was involved in the material utilization of renewable raw materials. Since the foundation of biorefinery.de GmbH in 2001 he was President of this company with its headquarter in Potsdam, Germany. He authored and co-authored more than 60 scientific publications and is the holder of 15 international patents.

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