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Sarah Teter

Novozymes Inc, USA

Customized enzymes and robust yeast- Novozymes' solutions for cellulosic biorefineries

In recent years, several industry front-runners have ramped up cellulosic ethanol production in commercial scale biorefineries. Novozymes' Cellic® enzyme products are used in most of these plants. A diverse set of biomass feedstocks and fundamentally unique technologies in the marketplace have led Novozymes to deploy tailored enzyme cocktails, with biocatalysts designed to meet specific customer needs. Building on success in the enzyme area, Novozymes has more recently launched Cellerity® – a yeast product specifically optimized to use sugars derived from biomass. Product robustness is critical in this industry, and both product lines have been developed to facilitate operation in relevant full-scale conditions. Novozymes is committed to continuing close collaboration with leaders in the biomass biorefining industry to further enable growth of the industry

Biography

Dr. Sarah A. Teter is Global Manager of Biomass R&D at Novozymes. Teter's R&D teams have had a significant impact on reducing costs for production of cellulosic ethanol. Since 2001, when Novozymes initiated focused work on delivering enzymes for biomass conversion, she has been a key part of innovative research programs developing improved enzymes (cellulases, hemicellulases, and auxiliary enzymes). Teter has extensive experience in coordinating multidisciplinary research teams, as well as customer-facing enzyme application projects. Her technical training includes post-doctorate studies at University of Michigan (1999-2001) and Max-Planck Institute for Biochemistry (1997-1999), a Ph.D. from UC Davis (1997).

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