

ChemCatBio Webinar Series

“Addressing Unique Catalyst Deactivation Challenges for Converting Biomass-Derived Feedstocks”



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Registration: <https://register.gotowebinar.com/register/5645386781090268940>

Catalyst lifetime has a significant impact on the economics of biomass conversion processes. It is often challenging to develop robust and stable catalysts for bioenergy applications due to the unique qualities of biomass (e.g., high oxygen content, high moisture content, and highly reactive functional groups). Thus, catalyst deactivation requires significant attention in biomass conversion research and development (R&D), especially given that most of our current knowledge on this topic stems primarily from petroleum-based conversion technologies. Catalysis research and development within ChemCatBio is targeted at addressing this knowledge gap and improving catalyst lifetime for biomass conversion. This presentation will provide (1) an overview of our current knowledge about the unique properties of biomass-derived intermediates that could cause catalyst deactivation issues and possible mitigation approaches, and (2) two to three examples of previous and current ChemCatBio work showing how we are addressing it in our R&D efforts.

For more information, please visit our website at ChemCatBio.org or email us directly at Contact@ChemCatBio.org. ChemCatBio is funded by the U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE) Bioenergy Technologies Office.