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Bio-sketch:

Nathan S. Mosier is an Associate Professor in Agricultural and Biological Engineering at Purdue University. Dr. Mosier earned a B.S. in BioSystems Engineering from the University of Nebraska - Lincoln, and an M.S. and a Ph.D. in Agricultural and Biological Engineering from Purdue University. Dr. Mosier was also a NSF-IGERT Ph.D. fellow in the Innovation Realization Laboratory at the Krannert School of Management.

Dr. Mosier has 15 years of experience in research related to biofuels and bioprocessing technology. He is the author or co-author of 46 journal publications, 7 book chapters, co-author of a textbook, and has been inventor on 4 awarded US and international patents. Dr. Mosier's research addresses fundamental topics in bioprocessing with current projects in enzyme mimicking catalysts for transforming renewable resources to fuels and chemicals, cellulose pretreatment for biofuel and biochemical production, thermochemical conversion of cellulose to fuels and value-added chemicals, and bioprocess simulation.

Dr. Mosier teaches a course on biological thermodynamics and a course on process engineering of renewable resources. Both are core curriculum classes in the Purdue Biological Engineering major. Dr. Mosier is the co-author, with Dr. Michael Ladisch, of the textbook Modern Biotechnology: Connection Innovations in Microbiology and Biochemistry to Engineering Fundamentals.

Dr. Mosier is an active member of AIChE (since 1999) and was programming chair for the Sustainable Engineering Forum (2012-2014). He is also a member of the American Society of Agricultural and Biological Engineers (ASABE) and the Society for Industrial Microbiology. He is currently an associate editor for *BioEnergy Research* and editorial board member for *Biotechnology for Biofuels* and *Biotechnology and Bioengineering*.

Recent Publications:

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