

Postdoc Position Description

Thermal Conversion of Woody Biomass to Fuels and Chemicals

The University of Maine's Forest Bioproducts Research Initiative is seeking applicants for a Postdoctoral Research Fellow to work as part of a team developing new catalysts and processes for thermal conversion of biomass to fuels and chemicals. The particular focus includes bench-scale catalytic upgrading of pyrolysis oils, developing new combinatorial approaches for rapid catalyst screening, understanding kinetic mechanisms of surface-mediated reactions, and characterizing physical characteristics of novel catalyst materials. Candidates with a Ph.D. in either Chemistry or Chemical Engineering and interest in any of these areas will be considered. The candidate must be able to work in a multidisciplinary team environment while supervising graduate and undergraduate students. The position is available immediately and will remain open until filled. See the following links for descriptions of research areas:

[Micro-Array Combinatorial Catalyst Screening](#)

[Fuels and Chemicals from Woody Biomass-Derived Syngas](#)

[Characterization and Upgrading Pyrolysis Oils from Woody Biomass](#)

[Innovative Reaction Schemes and Technologies](#)

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