



# Opportunities and Obstacles in Large-Scale Biomass Utilization: The Role of the Chemical Sciences and Engineering Communities: A Workshop Summary

*Sheena Siddiqui, Douglas Friedman, Joe Alper, Chemical Sciences Roundtable, Board on Chemical Sciences and Technology, Division on Earth and Life Studies, National Research Council*

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Based on a one-day public workshop held in Washington, DC, *Opportunities and Obstacles in Large-Scale Biomass Utilization: The Role of the Chemical Sciences and Engineering Communities: A Workshop Summary* explores the current state of biomass utilization for bulk-production of sustainable fuels and chemicals. The discussion focused on the chemistry and chemical engineering opportunities to meet the aforementioned objectives. Both formal presentations and breakout working groups were components of the workshop in an effort to stimulate engaging discussion among participants from widely varying fields.



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