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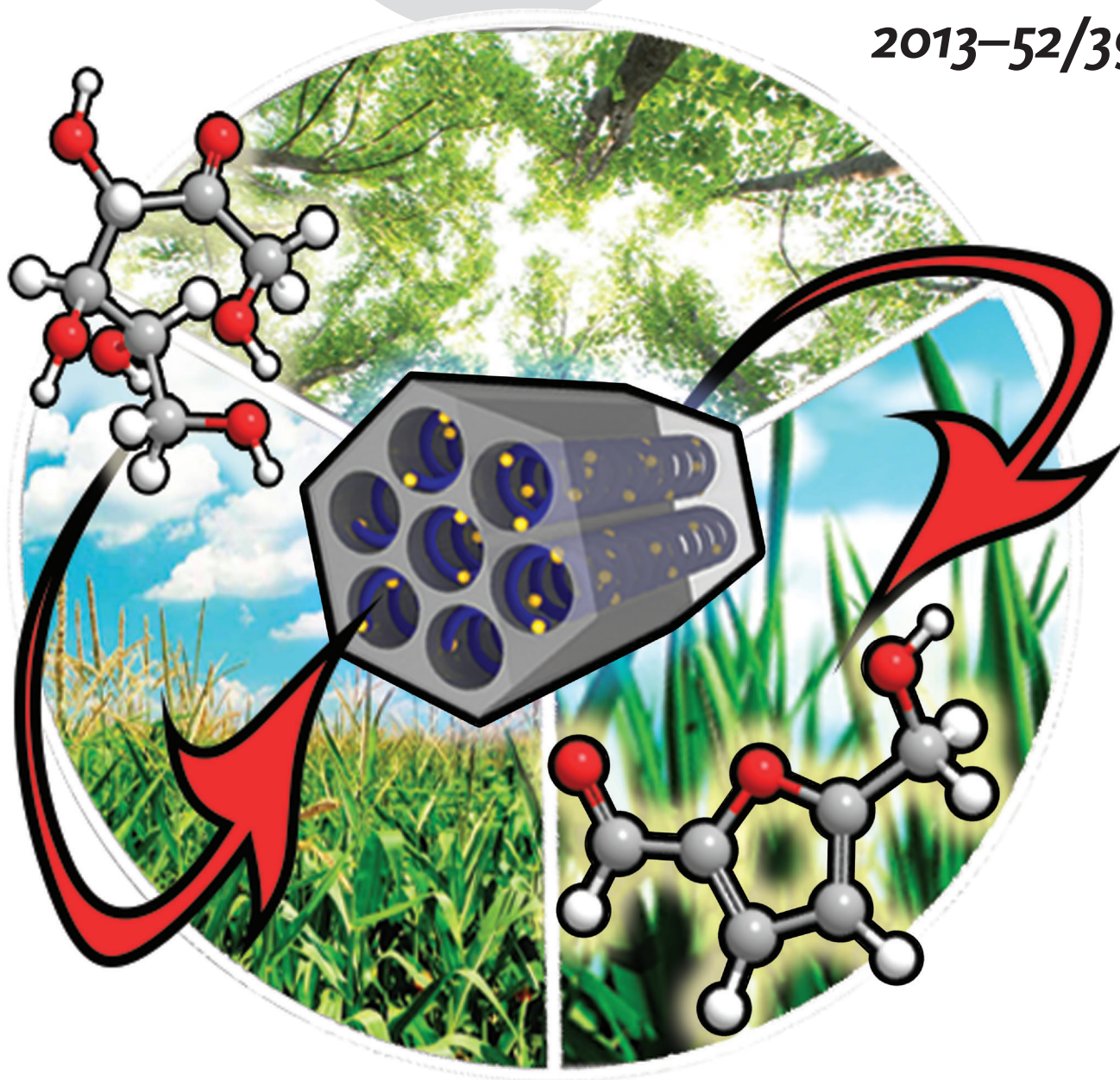
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The highly selective conversion ...

... of biomass-derived fructose into 5-hydroxymethylfurfural (HMF) can be achieved through the use of a tailored nanocomposite catalyst. In their Communication on page 10349 ff., S. L. Scott, J. A. Dumesic, et al. describe a simple and effective method for manipulating the reaction microenvironment, through the confinement of polymers within a mesoporous catalyst, to control the fructose tautomer distribution and consequentially the HMF selectivity.

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