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ACCEPTED MANUSCRIPT

Effect of Metal Oxide Redox State in Red Mud Catalysts on Ketonization of Fast Pyrolysis Oil Derived Oxygenates

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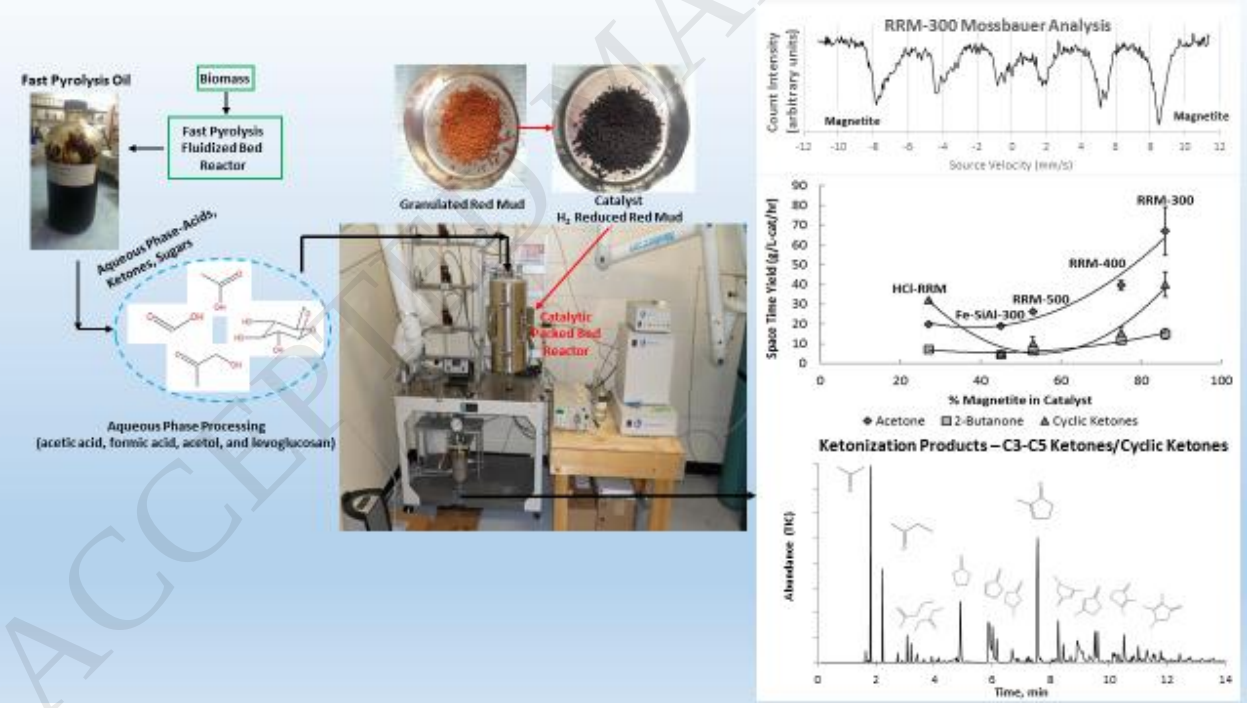
Graphical abstract



Highlights

- Red mud bauxite refining solid waste can convert bio-oil oxygenates (acetic acid, acetol, formic acid and levoglucosan) to more valuable products with greater energy density and stability

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