

Title:	Pyrolysis for production of high value phenolics from lignins isolated from waste streams
Abstract:	Lignins in residues such as black liquor represent significant potential for chemicals production. Phenols can be produced by isolation of lignins, followed by (catalytic) pyrolysis to produce particular phenols of value as chemical products. Project entails experimental optimisation of these processes, using lignins isolated from South African black liquors as well as residues of steam explosion and enzymatic hydrolysis of sugarcane lignocelluloses
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Degree:	PhD
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Start date:	Jan 2014
End date:	March 2018
Feedstock:	Black liquors and lignocelluloses
Value chain products:	Phenols
Geographic source of the feedstock:	KZN, MP, Gauteng