

Title: Fungal pretreatment of sweet sorghum bagasse with supplements: improvement in lignin degradation, selectivity and enzymatic saccharification

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Online Resource 6 Thermal degradation of untreated and pretreated SSB

Sample	TGA		DTG			
	1 st stage decomposition (°C)	Weight loss (%)	2 nd stage decomposition (°C)	Weight loss (%)	Residue left (%)	Rate of weight loss, %mg min ⁻¹ (°C)
Untreated SSB	332.7-237.5	37.5	502.3-332.7	35.7	8.4	5.31 (301)
SSB (pretreated without supplement)	331.4-237.4	41.5	490.2-331.4	34.1	5.2	6.49 (301.2)
SSB pretreated with supplement Gallic acid (4.4 µmol g ⁻¹ SSB)	330.1-242.5	42.1	492.9-330.1	36.1	2.5	6.47 (301.2)
SSB pretreated with supplement CuSO ₄ (2.2 µmol g ⁻¹ SSB)	329.4-238.2	44.8	472.4-329.4	30.6	4.8	6.76 (301.0)
SSB pretreated with supplement Syringic acid (8.8 µmol g ⁻¹ SSB)	330.0-238.1	49.6	468.6-330.0	33.5	2.4	7.44 (299.6)