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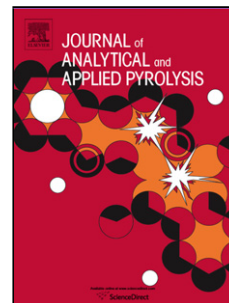
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Title page

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Thermochemical decomposition of coffee ground residues: a kinetic study

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Highlights

- Maximum decomposition rate of each biopolymer increased linearly with heating rate.
- Maximum biopolymers reactivity decreased in the order of: hemicellulose > cellulose > lignin.
- MS evolution of oxygenates (H₂O, CO and CO₂) overlaps with main CGR degradation regime (250 – 425 °C).

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