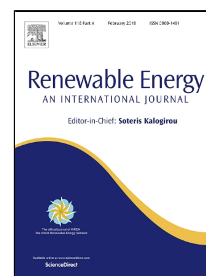


# Accepted Manuscript

Coupled effect of torrefaction and blending on chemical and energy properties for combustion of major open burned agriculture residues in Thailand

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PII: S0960-1481(17)31099-6  
DOI: 10.1016/j.renene.2017.11.006  
Reference: RENE 9408  
To appear in: *Renewable Energy*  
Received Date: 03 May 2017  
Revised Date: 29 August 2017  
Accepted Date: 03 November 2017

Please cite this article as: Wanida Kajina, Patrick Rousset, Wei-Hsin Chen, Thitima Sornpitak, Jean Michel Commandré, Coupled effect of torrefaction and blending on chemical and energy properties for combustion of major open burned agriculture residues in Thailand, *Renewable Energy* (2017), doi: 10.1016/j.renene.2017.11.006

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**Highlights**

- Torrefaction at high temperature of agriculture residues blends has been investigated
- Energy density increasing and chlorine content mitigation has been observed for torrefied biomass
- Positive and/or negative synergistic effects were observed during co-pyrolysis of the mixtures.
- Ignition and burnout temperature have been calculated for raw and torrefied biomass

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