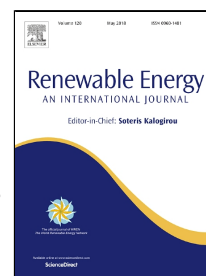


Accepted Manuscript

Effect of ammonia on methane production, methanogenesis pathway, microbial community and reactor performance under mesophilic and thermophilic conditions

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PII: S0960-1481(18)30338-0
DOI: 10.1016/j.renene.2018.03.032
Reference: RENE 9901
To appear in: *Renewable Energy*
Received Date: 15 October 2017
Revised Date: 28 January 2018
Accepted Date: 13 March 2018

Please cite this article as: Ziyi Yang, Wen Wang, Yanfeng He, Ruihong Zhang, Guangqing Liu, Effect of ammonia on methane production, methanogenesis pathway, microbial community and reactor performance under mesophilic and thermophilic conditions, *Renewable Energy* (2018), doi: 10.1016/j.renene.2018.03.032

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

1 **Effect of ammonia on methane production, methanogenesis pathway,**
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16
17 **Abstract**

18 The effects of ammonia on methane production, methanogenesis pathway, microbial
19 community, and reactor performance were investigated in this study. More than 20% of
20 methane production loss was observed in mesophilic and thermophilic reactors when
21 the ammonia level exceeded 2 and 5g NH₄⁺-N/L, respectively. The volatile fatty acid

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