**RESEARCH ARTICLE** 

## **RETRACTED ARTICLE:** Industrial bio-based plant aggregates as hygric and insulating construction materials for energy efficient building

Yunhong Jiang (🖂)<sup>1,2</sup>, Mike Lawrence<sup>1</sup>, Meng Zhang<sup>2</sup>, Jiandong Cui<sup>3</sup>

1 BRE Centre for Innovative Construction Materials, Department of Architecture and Civil Engineering, University of Bath, Bath, BA2 7AY, UK 2 Hub for Biotechnology in the Built Environment, Department of Applied Sciences, Faculty of Health and Life Sciences, Northumbria University, Newcastle-upon-Tyne, NE1 8ST, UK

3 Key Laboratory of Industrial Fermentation Microbiology, Tianjin University of Science and Technology, Tianjin Economic and Technological Development Area (TEDA), Tianjin 300457, China

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The authors have retracted this article because it overlaps with a previously published article [1]. All authors agree to this retraction. The online version of this article contains the full text of the retracted article as electronic supplementary material.

## References

 Marie Viel, Florence Collet, Christophe Lanos, Chemical and multi-physical characterization of agro-resources' by-product as a possible raw building material, Industrial Crops and Products, Volume 120, 2018, Pages 214–237

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E-mails: yunhong.jiang@northumbria.ac.uk, yunhongjiang@yahoo.com