

Supporting Information

Scale-up Fabrication of Biodegradable Poly(butylene adipate-co-terephthalate) / Organophilic-clay Nanocomposite Films for Potential Packaging Applications

Jiazhao Xie,^{†,§} Zhou Wang,[‡] Qinghua Zhao,^{†,||} Yuechao Yang,[§] Jing Xu,^{*,†} Geoffrey I.N.
Waterhouse,^{†,#} Kun Zhang,[†] Shan Li,[§] Peng Jin,[§] and Geyang Jin[§]

[†]College of Chemistry and Material Science, Shandong Agricultural University, 61 Daizong
Street, Tai'an 271000, Shandong, China

[‡]State Key Laboratory of Nutrition Resources Integrated Utilization, Shandong Kingenta
Ecological Engineering Co., Ltd, 19 Xingdaxi Street, Linshu 276700, Shandong, China

[§]National Engineering Laboratory for Efficient Utilization of Soil and Fertilizer Resources,
National Engineering & Technology Research Center for Slow and Controlled Release
Fertilizers, College of Resources and Environment, Shandong Agricultural University, 61
Daizong Street, Tai'an 271000, Shandong, China

^{||}Department of Basic Courses, Shandong Medicine Technician College, 999 Fengtian Road,
Tai'an 271000, Shandong, China

[#]School of Chemical Sciences, The University of Auckland, Private Bag 92019, Auckland
1142, New Zealand

*Corresponding Author.

Jing Xu

E-mail: jiayu@sdau.edu.cn



Figure S1. Photograph of the condensation of the water droplet of banana packed by commercial polyethylene packing film, which was sold in supermarket.



Figure S2. Photographs of banana samples with following treatment: (a) exposed to air, (b) packaged with OLDH-1 film and (c) packaged with commercial polyethylene film.