

Development of rice bran treatment process and its application for the production of polyhydroxyalkanoates by recombinant *Escherichia coli* from rice bran hydrolysate solution

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Rice bran that has many nutrients for microbial growth such as sugars, proteins, fats, fatty acids, minerals, and vitamins is a promising renewable resource for the fermentative production of fuels, chemicals, and polymers since it is abundant in several Asian countries. In this study, we report the development of a large-scale rice bran treatment process for the production of highly concentrated sugar solution that can be used for the production of PHAs by recombinant *Escherichia coli*. Detailed results will be presented in this presentation.

[This work was supported by the Technology Development Program to Solve Climate Changes (Systems Metabolic Engineering for Biorefineries) from the Ministry of Education, Science, and Technology (MEST) through the National Research Foundation (NRF) of Korea (NRF-2012-C1AAA001-2012M1A2A2026556) and the Basic Science Research Program through the NRF funded by the Ministry of Education (NRF-2013R1A1A2058379).]