

## Production of Succinic Acid from Renewable Resources

Soon Ho Hong, Do Yun Kim, Pyung Chun Lee, Ho Nam Chang and Sang Yup Lee  
Department of Chemical & Biomolecular Engineering, Department of BioSystems, BioProcess  
Engineering Research Center, and Bioinformatics Research Center, Korea Advanced Institute of  
Science and Technology, Daejeon, Korea (<http://mbel.kaist.ac.kr>, [leesy@kaist.ac.kr](mailto:leesy@kaist.ac.kr))

Succinic acid has received much attention as a green feedstock for the manufacture of synthetic resins, biodegradable polymers and chemical intermediates. It has mainly been produced by chemical processes. Recently, a fermentative production of succinic acid from various renewable carbon sources has attracted much research interest all around the world. In this presentation, we will show the results obtained with two different microorganisms, *Anaerobiospirillum succiniciproducens* and *Mannheimia succiniciproducens*, for the production of succinic acid from various carbon sources. Strategies for fermentative production of succinic acid with high productivity will be detailed for each case. [This work was supported by the Korea Energy Management Corporation and by the BK21 Project.]