

Realization of a low carbon society through game changing technologies

R&D Project Title Development of Plastics with Controlled Biodegradability Responding to Different Environments

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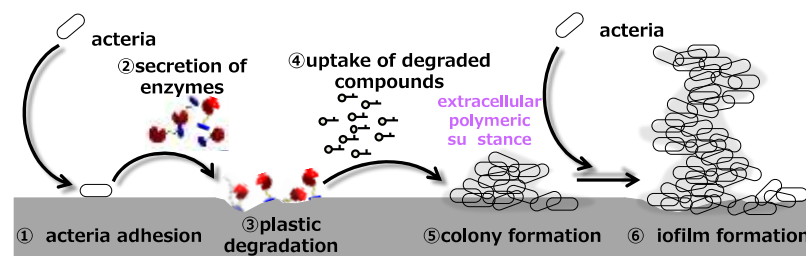
R&D Team : Kaneka Corporation, Tokyo Institute of Technology



Summary :

Development of the biodegradability control technology of biodegradable plastics in different environments is one of the main issues to spread them to society in general. To this end, identification of their biodegradation factors in different environments is needed. In this project, we establish the real-time and molecular level analysis system to reveal the overview of plastic biodegradation in different environments.

Predicted plastic biodegradation



Comprehensive analysis of plastic biodegradation in different environments

Identification of biodegradation factors

Design, synthesis and modification of plastics with controlled biodegradability responding to different environments