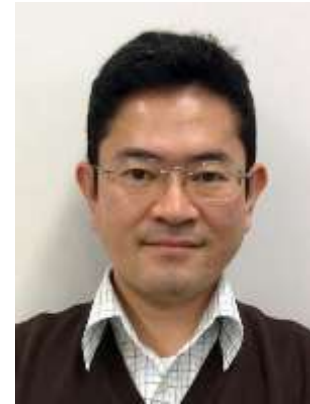


Realization of a low carbon society through game changing technologies

Microbial design for production of useful materials from renewable energy

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Summary :

In order to realize a low-carbon society, it is essential to construct a production process of bulk chemicals that can integrally use renewable energy such as biomass, sunlight, wind power, etc. In this research, therefore, we aim to develop a microbial cell factory to produce useful chemicals from renewable resources via H_2 - CO_2 or syngas using a host platform of thermophilic homoacetogens.

