

Department of Biotechnology, Graduate School of Engineering

Laboratory of Bioresource Engineering

In a turn of the century, environmental, food and energy problems are becoming more inevitable. Now is the time to develop an environmentally friendly and sustainable social system; biotechnology plays a key role in this challenge. Bioresource Engineering is a technology in search of a “core biological agent”, and to evaluate its practicality. Our laboratory challenges the issues utilizing metabolomics as our core competence. Our mission is to raise human resources, who will be the international leaders of the Biotechnology field.

Research

- Development of Metabolomics technology
- Food Metabolomics
- Microbial Metabolomics
- Animal metabolomics
- Plant metabolomics
- Elucidation of biosynthetic mechanism of polyterpene in plant
- High sensitive profiling of Bioactive materials
- Application of supercritical fluid technology to metabolomics

URL

<http://www.bio.eng.osaka-u.ac.jp/br//index.html>

Staff

Prof. Ei-ichiro FUKUSAKI

(TEL:+81-6-6879-7424 E-mail: fukusaki@bio.eng.osaka-u.ac.jp)

Assoc. Prof. Takeshi BAMABA

(TEL:06-6879-7418 E-mail:bamba@bio.eng.osaka-u.ac.jp)

Assist. Prof. Hisayo ONO

(TEL:06-6879-4240 E-mail:ono@bio.eng.osaka-u.ac.jp)

