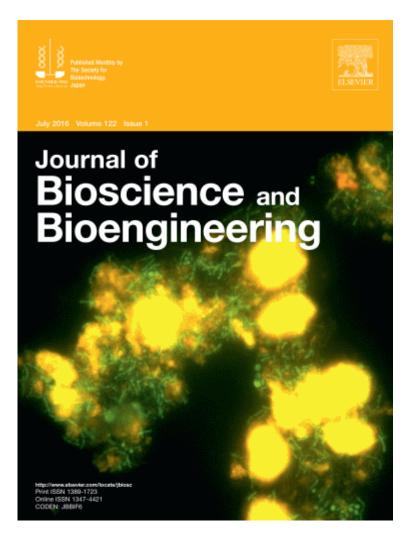
## Vol. 122 (July-December 2016)



*Bacillus subtilis* KBKU21 shows two functions in food waste recycling system: production of optically active Ilactic acid as a monomer chemicals for bio-plastic, and plant growth promoting activity in the anaerobicallyfermented compost from food waste. The photograph shows selective staining of the bacteria in the compost, observing with FITC-derivative of order Bacillales-specific 16S rRNA oligonucleotide probe, BACILIO2. With improved staining and capturing conditions (re-valance of RGB color), thick colonization of Bacillales cells around food waste residue can be clearly observed.

For more information regarding this work, read the article: **Kitpreechavanich, V. et al**., "Simultaneous production of I-lactic acid with high optical activity and a soil amendment with food waste that demonstrates plant growth promoting activity", **J. Biosci. Bioeng., volume 122, issue 1, pages 105–110 (2016)**.

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