

Produkcja bioetanolu z surowców celulozowych

Katarzyna Leja, Grażyna Lewandowicz, Włodzimierz Grajek

Katedra Biotechnologii i Mikrobiologii Żywności, Uniwersytet Przyrodniczy, Poznań

Bioethanol production from cellulose raw material

Summary

Lignocellulose is a potential non-food raw material for production of bioethanol. Its use gives the world economy a chance to be independent from petrochemical industry. In the last decade, interest in bioethanol production from waste raw materials increased. However, production processes require more research in order to optimize production conditions and decrease its cost. In each production stage, there appear various problems, for example, a selection of hydrolysis enzyme and microorganisms leading to fermentation. Probably, in the near future, the productivity of bioethanol from waste materials will improve.

Key words:

bioethanol, lignocellulose, hydrolysis, fermentation

Adres do korespondencji:

Katarzyna Leja, Katedra Biotechnologii i Mikrobiologii Żywności, Uniwersytet Przyrodniczy, ul. Wojska Polskiego 48, 60-627 Poznań