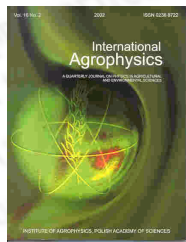




International Agrophysics
Polish Journal of Soil Science
Acta Agrophysica
Instytut Agrofizyki
International Agrophysics
General information
Issues
Search



International Agrophysics  
publisher: Institute of Agrophysics  
Polish Academy of Sciences  
Lublin, Poland  
ISSN: 0236-8722

vol. 22, nr. 3 (2008)

[previous paper](#) [back to paper's list](#) [next paper](#)  
Energy aspects in food extrusion-cooking

(get PDF )

Janssen L.P.B.M.<sup>1</sup>, Mościcki L.<sup>2</sup>, Mitrus M.<sup>2</sup>

<sup>1</sup> Chemistry and Chemical Engineering Institute, University of Groningen,  
Nijenborgh 4, 9747 Groningen, the Netherlands

<sup>2</sup> Food Process Engineering Department, University of Agriculture, Doświadczalna  
44, 20-236 Lublin, Poland

vol. 16 (2002), nr. 3, pp. 191-195

abstract Theoretical and practical energy balance considerations in food extrusion-cooking are presented in the paper. Based on the literature review as well as on own measurement results, the baro-thermal treatment of different vegetable raw materials is discussed together with the engineering aspects of the extruders performance as a whole.

keywords extrusion-cooking, energy balance, specific mechanical energy

Instytut Agrofizyki PAN  
ul. Doświadczalna 4  
20-290 Lublin

e-mail: sekretariat@ipan.lublin.pl  
tel.: +48817445061  
fax.: +48817445067