

# **ACTA SCIENTIARUM POLONORUM**

Scientific journal, issued since 2002,  
whose founder and advocate is the Conference of the Rectors of Universities  
of Life Sciences

Czasopismo naukowe ukazujące się od 2002 roku,  
którego założycielem i patronem jest Konferencja Rektorów Uczelni Rolniczych

## **Technologia Alimentaria**

Food Science and Human Nutrition

Technologia Żywności i Żywienia

10(2) 2011

April – June



Bydgoszcz Kraków Lublin Olsztyn  
Poznań Siedlce Szczecin Warszawa Wrocław

## **Executive Board of *Acta Scientiarum Polonorum***

Jerzy Sobota (Wrocław) – chairman

Kazimierz Banasik (Warsaw), Janusz Falkowski (Olsztyn), Florian Gambuś (Cracow),  
Franciszek Kluza (Lublin), Janusz Prusiński (Bydgoszcz), Stanisław Socha (Siedlce),  
Waldemar Uchman (Poznań)

## **Scientific Board of *Technologia Alimentaria***

Waldemar Uchman (Poznań University of Life Sciences, Poland) – chairman  
e-mail: chairman@food.actapol.net

Maria Daniel vaz de Almeida (University of Porto, Portugal), Bhaskar C. Behera (Agharkar  
Research Institute, India), Jerzy Borowski (University of Warmia and Mazury in Olsztyn,  
Poland), Zbigniew Dolatowski (University of Life Sciences in Lublin, Poland), Jerzy Dziuba  
(University of Warmia and Mazury in Olsztyn, Poland), Zygmunt Gil (Wrocław University  
of Environmental and Life Sciences, Poland), Zbigniew Krejpcio (Poznań University of Life  
Sciences, Poland), Zofia Lisiewska (Agricultural University of Krakow, Poland), Semih Ötles  
(Ege University, Turkey), Andrzej Pisula (Warsaw University of Life Sciences, Poland),  
Werner Praznik (University of Natural Resources and Applied Life Science, Austria), Mikołaj  
Protasowicki (The West Pomeranian University of Technology, Poland), Roman Przybylski  
(University of Lethbridge, Canada), Kazim Sahin (Firat University, Turkey),  
Jarosław Walkowiak (Poznań University of Medical Sciences, Poland)

Julita Reguła (Poznań University of Life Sciences, Poland) – secretary  
e-mail: sekretarz@food.actapol.net

**Covered by: Agro-Librex, Agro-Agen, Food Science and Technology Abstracts,  
CAB International, Chemical Abstracts, Directory of Open Access Journals,  
Ulrich's Database, Copernicus Index, EBSCOhost, Scopus**

ISSN 1644-0730 (print) ISSN 1889-9594 (online)

Cover design  
Daniel Morzyński

Text editor  
Lucyna Borowczyk, phone +48 61 848 7807, e-mail: lbor@up.poznan.pl

© Copyright by Wydawnictwo Uniwersytetu Przyrodniczego w Poznaniu  
Witosa 45, 61-693 Poznań, Poland  
e-mail: wydawnictwo@up.poznan.pl <http://www.wydawnictwo.up-poznan.net>