

ISSN 1644-0730

ACTA SCIENTIARUM POLONORUM

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

Czasopismo naukowe (kwartalnik), 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

14(2) 2015

April – June



Bydgoszcz Kraków Lublin Olsztyn
Poznań Siedlce Szczecin Warszawa Wrocław

ACTA Scientiarum Polonorum Technologia Alimentaria was founded by all Polish Agricultural Universities in 2001 and it is published by Poznań University of Life Sciences Press.

The papers are published in English only, in four issues yearly.

This journal is the open access and non-profit enterprise. The published papers may be collected, read and downloaded free of charge – with Author's rights reserved.

Aim and scope

The original scientific peer-reviewed papers published in ACTA Scientiarum Polonorum Technologia Alimentaria journal cover main aspects of food science from raw materials properties through processing aspects up to quality of final products and their nutritional properties, usability and dietetics.

It involves fundamental and applied research, including selected subjects of food science and human nutrition with pointing out at their interface.

All of these problems can be put into following topics:

Food Technology

- influence of all processing parameters on food quality and safety
- systems and methods of controlling and modification of food properties
- food biotechnology and microbiology
- any subject at the interface between food processing and food quality and human nutrition (paper connected with these technological problems are preferred)

Functional Food

- functional foods development
- production of novel food
- effects of processing and storage on the stability and biological activity of bioactive food components and their metabolites

Human Nutrition

- clinical tests of foods
- consumer preferences of standard and novel food
- diet and nutritional status assessment
- nutritional and health impacts of foods and food components

Abstracting/indexing

Medline, Scopus, PubMed, EBSCO, Food Science and Technology Abstracts®, CAB International, Chemical Abstracts Service, Index Copernicus, Ulrich's Database, Directory of Open Access Journals, Agro-Librex, Agro-Agen, Agris-FAO, Embase, ProQuest.

Executive Board of Acta Scientiarum Polonorum

Jerzy Sobota (Wrocław) – *chairman*, Józef Bieniek (Krakow), Barbara Gąsiorowska (Siedlce), Wiesław Nagórko (Warsaw), Janusz Prusiński (Bydgoszcz), Ewa Sobecka (Szczecin), Krzysztof Szkucik (Lublin), Waldemar Uchman (Poznań), Ryszard Żróbek (Olsztyn)

Scientific Board of Acta Scientiarum Polonorum

Editorial Chief

Waldemar Uchman

Poznań University of Life Sciences,
Poland
chairman@food.actapol.net
phone/fax: +48 61 848 7808

Co-editors

Zofia Lisiewska

Food Technology
University of Agriculture in Krakow,
Poland
rrlisiew@cyf-kr.edu.pl
phone: +48 12 662 4756

Julita Regula

Functional Food
Poznań University of Life Sciences,
Poland
jumar@up.poznan.pl
phone: +48 61 848 7339

Jarosław Walkowiak

Human Nutrition
Poznań University of Medical Sciences,
Poland
jarwalk@am.poznan.pl
phone: +48 61 849 1437

Members

Maria Daniel vaz de Almeida, University
of Porto, **Portugal**

Bhaskar C. Behera
Agharkar Research Institute, **India**

Zbigniew Dolatowski
University of Life Sciences in Lublin,
Poland

Sylvian Guyot
INRA Centre de Rennes, **France**

Karl Heinz Herzig
University of Oulu, **Finland**

Berthold Victor Koletzko
University of Munich, Medical Centre,
Germany

Zbigniew Krejpcio
Poznań University of Life Sciences,
Poland

Andrea Laukova
Slovak Academy of Sciences,
Slovakia

Andrzej Lenart
Warsaw University of Life Sciences –
SGGW, **Poland**

Carlos Lifschitz
Italian Hospital of Buenos Aires,
Argentina

Abdalbasit Adam Mariod
King Abdulaziz University Jeddah,
Saudi Arabia

Paul Edward Mozdziak
North Carolina State University, Raleigh,
United States

Jan Oszmiański
Wrocław University of Environmental
and Life Sciences, **Poland**

Semih Ötles
Ege University, **Turkey**

Werner Praznik
University of Natural Resources
and Applied Life Science, **Austria**

Mikołaj Protasowicki
West Pomeranian University
of Technology, Szczecin, **Poland**

Roman Przybylski
University of Lethbridge, **Canada**

Eddy Robberecht
Universiteit Gent, Ghent, **Belgium**

Kazim Sahin
Firat University, **Turkey**

Alexander Shleikin
St. Petersburg State University, **Russia**

Martin Stern
Universitätsklinikum Tübingen
Medizinische Fakultät, Tübingen,
Germany

Diana Thomas
University of Sydney, **Australia**

Contact

Chairman

Waldemar Uchman – chairman@food.actapol.net, phone: +48 61 848 7339

Article status

Joanna Suliburska – secretary@food.actapol.net, phone: +48 61 848 7334

Publisher contact person

Lucyna Borowczyk – lbor@up.poznan.pl, phone: +48 61 848 7807

Publisher and Owner

Poznań University of Life Sciences Press

Witosa 45, 61-693 Poznań, Poland

phone: +48 61 848 7776, fax: +48 61 848 7808

e-mail: wydawnictwo@up.poznan.pl, <http://www.wydawnictwo.up-poznan.net>

Managing Team

Joanna Suliburska – assistant editor, secretary@food.actapol.net, fax: +48 61 848 7334

Lucyna Borowczyk – text editor, lbor@up.poznan.pl, phone: +48 61 848 7807, fax: +48 61 848 7808

Hanna Chudzik – statistics consultant

Małgorzata Kapuścińska – English language consultant

Stanisław Tuchołka – computer typesetting

The journal *Acta Scientiarum Polonorum Technologia Alimentaria* has received in 2015 a grant of Ministry of Science and Higher Education for funding of projects covering the activities to promote and popularize the science.

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

Edition up to 100 copies. 8.5 publisher's sheets.

© Copyright by Wydawnictwo Uniwersytetu Przyrodniczego w Poznaniu

Print: Zakład Graficzny Uniwersytetu Przyrodniczego w Poznaniu
Wojska Polskiego 67, 60-625 Poznań