

THE 27TH INTERNATIONAL SCIENCE CONFERENCE

PROBLEMS OF ANIMAL PRODUCTION INTENSIFICATION WITH REGARD TO ENVIRONMENT PROTECTION, EU STANDARDS AND ALTERNATIVE ENERGY PRODUCTION, INCLUDING BIOGAS

PROBLEMY INTENSYFIKACJI PRODUKCJI ZWIERZĘCEJ Z UWZGLĘDNIENIEM OCHRONY ŚRODOWISKA, STANDARDÓW UE I PRODUKCJI ENERGII ALTERNATYWNEJ, W TYM BIOGAZU

In September, 15, 2021, the Institute of Technology and Life Sciences – the National Research Institute in Falenty had the honour to host the 27th International Scientific Conference under the patronage of the Minister of Agriculture and Rural Development, Polish Society of Biomass POLBIOM and the National Representation of PhD candidates. The subject of the conference was: *"Problems of animal production intensification with regard to environment protection, EU standards and production of alternative energy, including biogas"*. The conference was transmitted on-line by company Your Transmissions and is available at platform YouTube (https://www.youtube.com/watch?v=yb9Tu_Sq4Cg).

During the Conference, there were discussed many problems concerning the sustainable development in animal and vegetal production, environment protection with the elements of infrastructure at the rural areas, limitation of GHG and ammonia emission and renewable energy. The mentioned problems were divided into the following sessions:

- plenary session
- renewable energy and the modern management of farm animals, being friendly to environment and climate, and
- poster session.



Fig. 1. From the left: PhD Adam Brysiewicz (ITP-PIB), PhD Andrzej Seliga (ITP-PIB), prof. Henryk Sobczuk (ITP-PIB), prof. Wacław Romaniuk (ITP-PIB), PhD Kamila Mazur (ITP-PIB), PhD Adam Koniuszy (ZUT Szczecin), PhD Andrzej Karbowy (ZUT Szczecin)



Fig. 2. prof. Wacław Romaniuk (ITP-PIB), dr PhD Kamila Mazur (ITP-PIB)



Fig. 3. From the left: MSc. Kinga Borek (ITP-PIB), PhD Dawid Kozacki (ITP-PIB), MSc. Magdalena Bagińska (ITP-PIB)

During the duration of the Conference, the training bloc relating to research programmes had place. In the mentioned bloc, two presentations were submitted: 1- Mr Tomasz Mróz from the National Contact Point of The National Centre for Research and Development (NCBR) – “Horizon Europe – Cluster 6. Food, bioeconomy, natural resources, agriculture and environment”, 2 – Aleksander Bomberski, the national Broker of Innovation – “Activity>Cooperation>as an instrument for multi-subject implementation of innovations in Polish agri-food sector”.

The 27th International Scientific Conference was attended by 100 participants from Poland and abroad (Russian Federation, Belarus and Latvia) representing the following institutions:

- University of Technology in Koszalin,
- High School of Business,
- West-Pomeranian University of Technology in Szczecin,



Fig. 4. dr inż. Adam Brysiewicz (ITP-PIB)



Fig. 6. From the left: prof. Henryk Sobczuk (ITP-PIB), prof. Waław Romaniuk (ITP-PIB), PhD. Adam Koniuszy (ZUT Szczecin), PhD Andrzej Karbowy (ZUT Szczecin), PhD. Kamila Mazur (ITP-PIB),



Fig. 5. From the left: MSc. Kinga Borek (ITP-PIB), PhD Karolina Kolańska (ITP-PIB), PhD Dorota Kluszczyńska (ITP-PIB)



Fig. 7. From the left: PhD Andrzej Seliga (ITP-PIB), prof. Henryk Sobczuk (ITP-PIB), prof. Waław Romaniuk (ITP-PIB)

- Warsaw University of Life Sciences in Warsaw (SGGW),
- Agricultural University in Cracow,
- University of Life Sciences in Poznań,
- Institute of Animal Production, National Research Institute in Cracow,
- West Pomeranian Agricultural Chamber,
- University of Life Sciences in Lublin,
- University of Technology in Białystok,
- University of Zielona Góra,
- Experimental Station of Varieties Evaluation in Krzyżew,
- Mazovian Advisory Centre of Agriculture
- Ministry of Agriculture and Rural Development,
- BELAGROMECH, Mińsk, Belarus,
- the V.R. Viliams GNU VNII Kormov, Moscow, Russia (Institute of Animal Feeds),
- RUNIP "IMSKH NAN Nelandus", Mińsk, Belarus (Institute of Energetics),
- Latvian University of Agriculture, Jelgava, Latvia,
- GNU NII SH of Agricultural Scientific-Research Institute, Kirov, Russia,
- State Institute of Engineering and Economy in Knyaginino, Russia,
- Agricultural Farm Tadeusz Radzięciak,
- AGRAVES Ltd.,
- TRUSTT,
- De Heus,
- TESTMER Warszawa Ltd.,
- WOLF System Ltd.,
- Lely East Ltd.

During the Conference, 37 lectures were delivered and 19 posters submitted, including 32 presentations held in foreign languages (in Russian and in English).

Thy organization of the 27th International Scientific Conference was possible owing to the following co-organizers:

- Faculty of Engineering of Renewable Energy Sources of the West Pomeranian University of Technology in Szczecin,
- High School of Agribusiness in Łomża,
- Warsaw University of Life Sciences,
- Agricultural University in Cracow,

The Sponsors of the Conference were:

- WOLF System Ltd.,
- TESTMETER Warszawa S.A.,

Media patronage:

- Journal Polish Technical Review,
- Journal AURA Environment Protection
- Top Agrar Poland,
- Internet Daily B2B "Now Environment"

As a result of the received papers of the participants of the 27th International Conference, two monographs will be published as follows:

1. Monograph: "Improvement of agricultural production technology, including renewable energy, with consideration of the requirements of sustainable development",
2. Monograph: "Problems of animal production intensification, with regard to environment protection and alternative energy production, including gas".

Institute of Technology and Life Sciences – the National Research Institute in Falenty would like to express gratitude and thanks to Co-organizers, Sponsors, Patrons and Participants for the support and active participation in the Conference!