



**Polish Society of Microbiologists**  
Chełmska 30/34 St.  
00-725 Warsaw, Poland



**Department of Industrial and Environmental Microbiology**  
**Department of Genetics and Microbiology**  
**Institute of Biological Sciences**  
**University of Maria Curie-Skłodowska**  
Akademicka 19 St., 20-033 Lublin, Poland



**Department of Microbiology**  
**Institute of Soil Science and Plant**  
**Cultivation – State Research Institute**  
Czartoryskich 8 St.  
24-100 Puławy, Poland



**Department**  
**of Soil and Plant System**  
**Institute of Agrophysics**  
**B. Dobrzańskiego**  
**Polish Academy of Sciences**  
Doświadczalna 4 St.  
20-290 Lublin, Poland



**Department of Microbiology**  
**and Translation Medicine**  
**The John Paul II**  
**Catholic University of Lublin**  
Konstantynów 1i St.  
20-708 Lublin, Poland



**Department of Biochemistry**  
**and Microbiology**  
**Institute of Biology**  
**Warsaw University**  
**of Life Sciences**  
Nowoursynowska 159 St.  
02-776 Warsaw, Poland

## **IX. MICROBIOLOGY SYMPOSIUM** **'METAGENOMES OF VARIOUS ENVIRONMENTS'**

**Lublin, 23-24 June 2025**

[metagenomy2025@mail.umcs.pl](mailto:metagenomy2025@mail.umcs.pl); [www.metagenomy2025.umcs.pl](http://www.metagenomy2025.umcs.pl)



### **Announcement No 2**

**You are cordially invited to take part in the**

**IX. Microbiology Symposium – “Metagenomes of various environments”.**

**The Symposium will be held on 23-24 June 2025 at Maria Curie-Skłodowska University,**  
**in the building of the Institute of Computer Science at 9 Akademicka Street in the centre of Lublin.**

**The main organiser of the Symposium is**

**Marie Curie Skłodowska University and the Polish Society of Microbiologists.**

***The project was co-financed with funds from the state budget awarded by the Minister of Science***  
***within the framework of the Excellent Science II programme, Republic of Poland.***

***Amount of co-financing PLN 147 400.00, total project value PLN 169 850.00***



Ministry of Science and Higher Education  
Republic of Poland



**Doskonała**  
**Nauka**



Minister of Science and Higher Education  
Republic of Poland

## PURPOSE AND SCOPE OF THE CONFERENCE

The main objective of the Symposium is to present the latest developments in metagenomics, metataxonomics, metatranscriptomics, metabolomics, microbiology, and mycology in the context of contemporary European and global trends related to agriculture and horticulture, including environmental quality, biodiversity, and phytopathology. The conference aims to promote research on microbiomes and mycobiomes, mainly in agroecosystems, fitting into the new concept of the plant, according to which the plant is a holobiont, i.e. a host of coexisting organisms that, through metabolic cooperation as well as exchange of signals and nutrients, ensure the proper functioning and immunity of plants, which is extremely important for maintaining the state of ecological balance and protecting against states of dysbiosis.

The Symposium also aims to provide scientific discussion and demonstration of state-of-the-art methods used in studies of micro-organisms, including genomics, genetics, and molecular biology, which provide a better understanding of the biochemistry and physiology of bacteria and fungi as well as their importance in environmental and agricultural protection. The Symposium will present techniques and results of 'omics' research in the analysis of environmental samples. This research makes it possible to explore new microbiomes, monitor the composition of the microbial consortium, and assess the potential for their use in agriculture and environmental protection.

The symposium will provide a forum for the exchange of experience in the application of state-of-the-art research methods and 'omics' techniques, including bioinformatics and data analysis, facilitating comprehensive identification of microbial biodiversity in different environments. This scientific event will allow the integration and establishment of new and strengthening existing contacts of the scientific community from the field of agricultural, biological, environmental, and biotechnological sciences, especially in terms of conducting interdisciplinary research and joint research projects. This conference is the only cyclic event in Poland covering, promoting, and disseminating the use of high-throughput sequencing techniques for application in agriculture and horticulture and comprehensive identification of microbial biodiversity in agroecosystems.

The Symposium provides an opportunity for young students of science to present their research results. Each edition of the Symposium to date has been attended by more than 100 scientists, who are specialists and experts in the fields of microbial ecology, phytopathology, genetics, microbiology, bioinformatics, environmental protection, and agriculture.

The ninth edition of the Symposium will be another opportunity to bring together researchers using different sequencing techniques and will enable the continuation of discussions on the possibilities and perspectives of studying environmental samples using metagenomic methods.

**We are planning to organise the following scientific sessions:**

**Session I - Prokaryotic microbiome of various environments**

**Session II - Eukaryotic microbiome of various environments**

**Session III - Metagenomes of the soil environment and their application in biotechnology**

**Session IV - Applied metagenomics, metabolomics, and proteomics and their relevance to environmental quality monitoring and human health**

**OPENING AND PLENARY LECTURES WILL BE GIVEN BY:**

**prof. dr hab. Wiesław Barabasz**, East European State Higher School in Przemyśl

**prof. dr hab. Dariusz Bartosik**, Warsaw University

**prof. dr Heribert Insam**, University of Innsbruck, Austria, BioTreaT Company

**prof. dr hab. Adam Jaworski**, Social Academy of Sciences SAN University, Łódź, University of Łódź

**prof. dr hab. inż. czł. koresp. PAN Małgorzata Jędryczka**, Institute of Plant Genetics PAN, Poznań

**prof. dr Alessio Mengoni**, University of Florence, Italy

**prof. dr François Rineau**, Hasselt University, Belgium

**prof. dr Adriano Sofo**, University of Basilicata, Italy

**prof. dr Jaco Vangronsveld**, Hasselt University, Belgium

## Organising Committee:

### Head of the Organising Committee:

**dr hab. Jolanta Jaroszuk-Ściseł, prof. UMCS**

Department of Industrial and Environmental Microbiology (KMPIŚ), UMCS

President of the Local Section of the Polish Society of Microbiologists (OT PTM) in Lublin

### Members from the Symposium Co-organising Institutions:

**prof. dr hab. Magdalena Frąc** (Institute of Agrophysics, Polish Academy of Sciences, Lublin); member of OT PTM in Lublin

**prof. dr hab. Anna Gałązka** (IUNG– State Research Institute, Puławy); member of OT PTM in Lublin

**dr Agata Goryluk-Salmonowicz** (Warsaw University of Life Sciences); member of OT PTM in Warsaw

**prof. dr hab. Agnieszka Wolińska** (Catholic University of Lublin); member of OT PTM in Lublin

### Members from the University of Maria Curie-Skłodowska:

dr hab. Iwona Komanińska, prof. UMCS; Department of Genetics and Microbiology (KGiM), UMCS,  
Secretary OT PTM in Lublin

prof. dr hab. Monika Janczarek; KMPIŚ, UMCS, member of OT PTM in Lublin

dr hab. Małgorzata Majewska; KMPIŚ, UMCS, member of OT PTM in Lublin

dr hab. Małgorzata Marczak, prof. UMCS; KGiM, UMCS, member of OT PTM in Lublin

dr hab. Andrzej Mazur, prof. UMCS; KGiM, UMCS, member of OT PTM in Lublin

dr Kamila Wlizło; KMPIŚ, UMCS, member of OT PTM in Lublin

### Symposium Secretariat:

dr Artur Nowak

dr Ewa Ozimek

dr Paulina Adamczyk

dr Mateusz Kutyla

Department of Industrial and Environmental Microbiology

Institute of Biological Sciences

Faculty of Biology and Biotechnology

University of Maria Curie-Skłodowska

19 Akademicka Street, 20-033 Lublin

**[metagenomy2025@mail.umcs.pl](mailto:metagenomy2025@mail.umcs.pl)**

### Scientific Patronage

Polish Society of Microbiologists

Polish Genetic Society

Polish Phytopathological Society

Polish Mycological Society

Polish Botanical Society



POLSKIE TOWARZYSTWO MIKROBIOLOGÓW



POLSKIE TOWARZYSTWO  
GENETYCZNE



POLSKIE TOWARZYSTWO  
MYKOLOGICZNE



**PATRONAT HONOROWY**  
**WOJEWODA LUBELSKI**  
**KRZYSZTOF KOMORSKI**



**PATRONAT  
HONOROWY**



**PREZYDENT MIASTA LUBLIN**  
**KRZYSZTOF ŻUK**



Patronat Marszałka  
Województwa Lubelskiego  
*Jarosława Stawiarskiego*

**prof. dr hab. Radosław Dobrowolski (Rector of the Maria Curie-Skłodowska University in Lublin)**

**PATRONAT  
HONOROWY  
JM REKTORA**



**UMCS**

**ks. Prof. dr hab. Mirosław Kalinowski (Rector of the John Paul II Catholic University of Lublin)**



**REKTOR**  
**KATOLICKIEGO UNIWERSYTETU LUBELSKIEGO JANA PAWŁA II**

**dr hab. Grzegorz Janusz prof. UMCS (Director of Institute of Biological Sciences, UMCS in Lublin)**  
**dr hab. Anna Matuszewska prof. UMCS (Dean of Faculty of Biology and Biotechnology, UMCS in Lublin)**  
**prof. dr hab. Cezary Sławiński, czł. koresp. PAN (Director of Institute of Agrophysics, Polish Academy of Sciences)**  
**prof. dr hab. Artur Zdunek, czł. koresp. PAN (V-ce Director of Institute of Agrophysics, Polish Academy of Sciences)**  
**prof. dr hab. Mariusz Matyka (Director Institute of Soil Science and Plant Cultivation – State Research Institute, Puławy)**  
**prof. dr hab. n. med. Ryszard Maciejewski (Dean of Faculty of Medicine, Catholic University of Lublin)**  
**dr hab. Maciej Masłyk, prof. KUL (Director Institute of Biological Sciences, Catholic University of Lublin)**  
**dr hab. Sławomir Jaworski, prof. SGGW (Director Institute of Biology, Warsaw University of Life Sciences)**



**The Scientific Committee of the Symposium is represented by:**

**Chair:**

**prof. dr hab. Adam Jaworski, Social Academy of Sciences SAN University, Łódź, University of Łódź**

**prof. dr hab. Stefan Tyski, National Medicines Institute, National Institute of Public Health NIH – National Research Institute, President of the Polish Society of Microbiologists**

**Vice-Chairman:**

**prof. dr hab. Dariusz Bartosik, Warsaw University**

**prof. dr hab. Wiesław Barabas, East European State Higher School in Przemyśl**

**Members**

dr hab. Lidia Błaszczyk, prof. IGR, Institute of Plant Genetics, Polish Academy of Sciences, Poznań

dr hab. Mieczysław Kazimierz Błaszczyk, prof. SGGW, Warsaw University of Life Sciences

dr hab. Justyna Bohacz, prof. UP, University of Life Sciences in Lublin

dr hab. inż. Maria Chmiel, prof. URK, University of Agriculture in Krakow

prof. dr hab. Adam Choma, University of Maria Curie-Skłodowska in Lublin

prof. dr hab. inż. Krystyna Cybulska, West Pomeranian University of Technology in Szczecin

prof. dr hab. Hanna Dahm, Nicolaus Copernicus University in Toruń

prof. dr hab. Jerzy Długoński, University of Łódź

prof. dr hab. Łukasz Dziewit, Warsaw University

dr Karolina Furtak, Institute of Soil Science and Plant Cultivation – State Research Institute, Puławy

prof. dr Heribert Insam, University of Innsbruck, Austria, BioTreaT Company

dr Monika Jach, Catholic University of Lublin

prof. dr hab. Agnieszka Jamiołkowska, University of Life Sciences in Lublin

dr hab. Grzegorz Janusz, prof. UMCS, University of Maria Curie-Skłodowska in Lublin

prof. dr hab. inż. Małgorzata Jędrzycka, Institute of Plant Genetics, Polish Academy of Sciences, Poznań

dr hab. Jolanta Joniec, prof. UP, University of Life Sciences in Lublin

dr hab. Izabela Korona-Główniak, prof. UM, Medical University in Lublin

dr Beata Kowalska, The National Institute of Horticultural Research, Skierniewice

prof. dr hab. Joanna Kruszewska, Institute of Biochemistry and Biophysic, Polish Academy of Sciences, Warsaw

prof. dr hab. Jan Kucharski, University of Warmia and Mazury in Olsztyn

dr hab. Jolanta Kutkowska, prof. UMCS, University of Maria Curie-Skłodowska in Lublin

dr hab. Agnieszka Kuźniar, Catholic University of Lublin

dr hab. n. farm. Agnieszka Laudy, Warsaw Medical University

prof. dr hab. Wanda Małek, University of Maria Curie-Skłodowska in Lublin

prof. dr hab. Stefan Martyniuk, Institute of Soil Science and Plant Cultivation – State Research Institute, Puławy

dr Anna Marzec-Grządziel, Institute of Soil Science and Plant Cultivation – State Research Institute, Puławy

prof. dr Alessio Mengoni, University of Florence, Italy

prof. dr hab. Alicja Niewiadomska, Poznań University of Life Sciences

dr hab. Ewa Oleńska, University of Białystok

dr hab. Karolina Oszust, Institute of Agrophysics, Polish Academy of Sciences, Lublin

dr hab. Aleksandra Obrepałska-Stęplowska, prof. IOR-IB, Institute of Plant Protection –National Research Institute, Poznań

dr hab. Anna Pawlik, prof. UMCS, University of Maria Curie-Skłodowska in Lublin

prof. dr hab. Stanisław Pietr, Wrocław University of Environmental and Life Sciences

dr hab. Tomasz Płociniczak, prof. UŚ, Silesian University in Katowice

prof. dr hab. Zofia Piotrowska-Seget, Silesian University in Katowice

dr hab. Anna Pytlak, Institute of Agrophysics, Polish Academy of Sciences, Lublin

prof. dr François Rineau, Hasselt University, Belgium

dr hab. Sylwia Różalska, prof. UŁ, University of Łódź

prof. dr hab. Lidia Sas-Paszt, The National Institute of Horticultural Research, Skierniewice

dr hab. Magdalena Szczech, prof. IO-PIB, The National Institute of Horticultural Research, Skierniewice

prof. dr Adriano Sofo, University Basilicata, Italy

dr Sławomir Sułowicz, Silesian University in Katowice

dr hab. Anna Szafranek-Nakonieczna, prof. KUL, Catholic University of Lublin

prof. dr hab. Katarzyna Turnau, Jagiellonian University in Kraków

dr hab. Sylwia Wdowiak-Wróbel, prof. UMCS, University of Maria Curie-Skłodowska in Lublin

prof. dr hab. Agnieszka Wolna-Maruwka, Poznań University of Life Sciences

dr hab. Małgorzata Wójcik, prof. UMCS, University of Maria Curie-Skłodowska in Lublin

prof. dr Jaco Vangronsveld, Hasselt University, Belgium

dr hab. Marta Wrzosek, prof. UW, Warsaw University

prof. dr hab. Jadwiga Wyszowska, University of Warmia and Mazury in Olsztyn

## CONFERENCE REGISTRATION

Please send a completed Symposium registration form to the address of the secretariat ([metagenomy2025@mail.umcs.pl](mailto:metagenomy2025@mail.umcs.pl)) by 18.04.2025

[Registration Form](#)

## CONFERENCE FEE

The conference fee must be paid by 18.04.2025

full - **550** PLN; members of PTM 100 PLN discount - **450** PLN

reduced (for students and doctoral students) - **350** PLN; members PTM 100 PLN discount - **250** PLN

The fee should be transferred to account number:

**87 1140 1094 0000 2905 1600 1176**

transfer title: Metagenomy 2025

## COMPETITION FOR YOUNG SCIENTISTS

A competition for young scientists (PhD students, postdocs up to 5 years after their PhD) will be held for the best lecture and poster.

Prizes will be awarded in two categories (lecture, poster):

one grand prize and three honourable mentions each.

Special prizes will also be awarded by the Lublin branches of Polish Genetic Society and Polish Society of Microbiologist.

## PREPARATION OF ABSTRACTS FOR INCLUSION IN THE CONFERENCE PROCEEDINGS

Abstracts of 1 page B5 in Polish and English should be prepared according to the attached template: [Abstract Form](#) and sent to the address of the secretariat ([metagenomy2025@mail.umcs.pl](mailto:metagenomy2025@mail.umcs.pl)) by 10.05.2025

The inclusion of an abstract in the proceedings is subject to payment of the conference fee by one of the Authors. Two abstracts can be submitted with one fee.

Conference materials will be distributed to participants during the Symposium.

## PREPARATION OF POSTERS

Please prepare your posters in maximum **A1** format.

Posters will be presented during the poster sessions scheduled in the programme.

Please submit electronic poster presentations in **A3** format (in portrait orientation) as pdf files for posting on the Symposium website by **15.06.2025**.

# WELCOME TO LUBLIN!

