























with the scientific patronage of Polish Academy of Sciences



2nd INTERNATIONAL SCIENTIFIC CONFERENCE ON

ECOLOGICAL AND ENVIRONMENTAL ENGINEERING



30 June-1 July 2021 WROCŁAW, POLAND

www.coee.urk.edu.pl

1ST ANNOUNCEMENT

WELCOME AND INVITATION

Ladies and Gentlemen,

On behalf of the organizing committee of the 2nd International Conference of Ecological and Environmental Engineering (2nd COEE), we would like to invite you to Wrocław, Poland. That wonderful city combines culture, art, science and history. Tradition is mixed here with the latest technologies and continuous development. That is why Wrocław is one of the largest academic centers in Poland (there are 27 colleges and universities), and is one of the most-visited cities by Polish and foreign tourists. The center of life in Wrocław is focused around the beautiful, second largest river in Poland - the Oder, which creates perfect conditions for social life and an extremely important environment in the city center.

The idea of organizing this conference arose on well-established cooperation of eight Polish Universities (from Lublin, Kraków, Gdańsk, Poznań, Warszawa, Wrocław, Rzeszów and Olsztyn) as well as Polytechnic Institute of Beja, Portugal and Czech University of Life Sciences Prague, Czech Republic and Universitat Politècnica de Catalunya-BarcelonaTech, Spain.

We hope that the conference we organize will be an excellent opportunity to exchange ideas related to water management, wastewater management, renewable energy sources and environmental protection. Since the Odra River is a vibrant, pulsating artery of Wrocław, one of the topics of the conference will also be the hydrology and river ecosystems life.

Above all, we want the participants of the 2nd COEE to have the opportunity to get to know each other and discuss the important topics mentioned above. We know that discussion between engineers, scientists, environmentalists and people representing the private sector and governments can lead to cooperation of the whole society and the environment which can bring benefits for all us.

In addition, a series of sessions with scientific presentations and posters on the broad field of environmental engineering will give each participant a chance to present and see the latest achievements related to improving the quality of the environment and implementing solutions aimed at sustainable resource management.

We hope that both the topic of the 2nd International Conference of Ecological and Environmental Engineering and the city of Wrocław itself will encourage you to actively participate in this interesting event.

Welcome to Wrocław!

CONFERENCE TOPICS

Water and wastewater technology

Waste management and renewable energy

water supply; water management; water re-use; water quality; water treatment; semi-natural wastewater treatment systems; municipal and industrial wastewater treatment; sewerage systems; sewage sludge management; landfill leachates; storm water treatment and management; ecotoxicology

ecological methods of waste management; landfills restoration; waste-to-energy; biomass and biofuels; biogas production and applications; wind, solar and geothermal energy; hydropower; energy storage; renewable energy sources and the environment; social and economic aspects of "green energy"

Hydrology and river ecosystems

Environment protection and development

waterway of Odra river; water gardens and floating islands; urban water management and restoration; hydrological modeling; drought monitoring, early warning, and projection; flood prediction and management; hydro-meteorological extremes; analysis of hydrologic events; water and energy cycle pathways; water reservoirs; groundwater hydrology and monitoring

soil degradation, protection and remediation; protection and formation of water resources; landscape protection; organization of the agricultural production area; sustainable management of natural resources; spatial management; monitoring of environment; analyzing and reporting on the environment; environmental protection regulations; sustainable land use; climate change adaptation in cities

COMMITTEES

HONORARY COMMITTEE

- **Prof. Jarosław Bosy** Rector of the Wrocław University of Environmental and Life Sciences, Poland
- **Prof. Piotr Koszelnik** Rector of the Rzeszow University of Technology, Poland
- Prof. Krzysztof Kowalczyk Rector of the University of Life Sciences in Lublin, Poland
- Prof. Jerzy Przyborowski Rector of the University of Warmia and Mazury in Olsztyn, Poland
- Prof. Czesława Rosik-Dulewska Correspondent Member of the Polish Academy of Sciences, Poland
- Prof. Petr Sklenička Rector of Czech University of Life Sciences Prague, Czech Republic
- Prof. Krzysztof Szoszkiewicz Rector of the Poznań University of Life Sciences, Poland
- Prof. Sylwester Tabor Rector of the University of Agriculture in Kraków, Poland
- **Prof. Francesc Torres** Rector of Universitat Politècnica de Catalunya-BarcelonaTech, Spain
- Prof. João Paulo Trindade President of the Polytechnic Institute of Beja, Portugal
- **Prof. Krzysztof Wilde** Rector of the Gdańsk University of Technology, Correspondent Member of the Polish Academy of Sciences, Poland
- **Prof. Romuald Zabielski** Vice-president and Correspondent Member of the Polish Academy of Sciences, Poland
- Prof. Michał Zasada Rector of the Warsaw University of Life Sciences, Poland

SCIENTIFIC COMMITTEE

Krzysztof Jóźwiakowski (University of Life Sciences in Lublin, Poland) – Chair

Krzysztof Pulikowski (Wrocław University of Environmental and Life Sciences, Poland) – Deputy-Chair

Piotr Bugajski (University of Agriculture in Kraków, Poland) – Deputy-Chair

Anna Anielak, Poland

Geoffrey K. Anornu, Ghana

Adelaide Almeida, Portugal

Magdalena Balintova, Slovakia

Kazimierz Banasik, Poland

Tomasz Bergel, Poland

Ryszard Błażejewski, Poland

Klaudia Borowiak, Poland

Gabriel Borowski, Poland

Rafaela Caceres, Spain

Teresa Carvalhos, Portugal

Laima Cesoniene, Lithuania

Humberto Chaves, Portugal

Yelizaveta Chernysh, Ukraine

Wojciech Czekała, Poland

Ireneusz Cymes, Poland

Jacek Dach, Poland

Midona Dapkiene, Lithuania

Lidia Dabek, Poland

Wojciech Dabrowski, Poland

Jean Diatta, Poland

Moustapha Diene, Senegal

Fatih Duman, Turkey

Ewa Felis, Poland

Eduardo Ferreira, Brasil

Manabu Fukui, Japan

Magdalena Gajewska, Poland

Joan Garcia, Spain

Mathieu Gautier, France

Givi Gavardashvili, Georgia

Katarzyna Glińska-Lewczuk, Poland

Antoni Grzywna, Poland

Wojciech Janczukowicz, Poland

Halina Jankowska-Huflejt, Poland

Jerzy Jeznach, Poland

Tomasz Kałuża, Poland

Agnieszka Karczmarczyk, Poland

Leszek Książek, Poland

Dorota Kulikowska, Poland

Myroslav Malovanyy, Ukraine

Andrzej Mazur, Poland

Michał Marzec, Poland

Wolfgang Merkle, Switzerland

William J. Mitsch, United States of America

Livia Nistor-Lopatenco, Moldova

Hans Joachim Nägele, Switzerland

Mohammed Seghir Nili, Algeria

Hanna Obarska-Pempkowiak, Poland

Tomasz Okruszko, Poland

Agnieszka Operacz, Poland

Patrícia Palma, Portugal

Ana Pardal, Portugal

Adam Paruch, Norway

Jan Pawelek, Poland

Andrea Petroselli, Italy

Annet Pouw, Netherlands

Wei Qiao, China

Karel Radej, Czech Republic

Anabela Cândida Ramalho Durão, Portugal

Joanna Rodziewicz, Poland

Tadeusz Siwiec, Poland

Xiaojun Shen, China

Mariusz Sojka, Poland

Barbara Sowińska-Świerkosz, Poland

Rafał Stasik, Poland

Kazimierz Szymański, Poland

Sławomir Szymczyk, Poland

Jorge Manuel Rodrigues Tavares, Portugal

Konrad Thürmer, Germany

Tomasz Tymiński, Poland

Iryna Vaskina, Ukraine

Mónica Vergara, Germany

Shtepa Vladimir, Belarus

Jan Vymazal, Czech Republic

Andrzej Wałęga, Poland

Mirosław Wiatkowski, Poland

Maria Włodarczyk-Makuła, Poland

Shubiao Wu, Denmark

Xing Xuan, China

Naglaa Youssef, Egypt

ORGANIZING COMMITTEE

Katarzyna Pawęska (Wrocław University of Environmental and Life Sciences, Poland) – Chairman
 Alina Kowalczyk-Juśko (University of Life Sciences in Lublin, Poland) – Deputy Chair
 Karolina Kurek (University of Agriculture in Kraków, Poland) – Deputy Chair
 Aleksandra Bawiec (Wrocław University of Environmental and Life Sciences, Poland) – Secretary

Bogna Buta, Poland Tomasz Kotowski, Poland Agnieszka Bus, Poland Adrian Kulik, Poland Justyna Czajkowska, Poland Agnieszka Micek, Poland Joanna Jaskuła, Poland Patrycja Pochwatka, Poland Karolina Jóźwiakowska, Poland Maria de Fátima Nunes de Carvalho, Portugal Magda Kasprzyk, Poland Marcin Sidoruk, Poland Enrica Uggetti, Spain Dariusz Młyński, Poland Joanna Czarnota, Poland Adam Sochacki, Czech Republic

CONFERENCE VENUE

WROCŁAW UNIVERSITY OF ENVIRONMENTAL AND LIFE SCIENCES GRUNWALDZKI SQUARE 24a, 50-357 WROCŁAW, POLAND

The Conference COEE 2021 is going to be online

Please find more information on www.coee.urk.edu.pl

IMPORTANT DATES		
DEADLINE FOR REGISTRATION AND ABSTRACTS SUBMISSION		APRIL 30, 2021
NOTIFICATION OF ACCEPTANCE FOR AUTHORS, 2^{ND} ANNOUNCEMENT		MAY 15, 2021
DEADLINE FOR PAYMENT		MAY 31, 2021
CONFERNCE PROGRAMME		JUNE 15, 2021
DEADLINE FOR FULL MANUSCRIPT SUBMISSION		OCTOBER 31, 2021
REGISTRATION AND PAYMENT		
REGISTRATION FEE	50 EURO (or 250 PLN)	

ACCOUNT FOR PAYMENT

Account number for payment in PLN and EURO:

62 1020 5242 0000 2102 0029 2045

Additional information:

Name of bank: PKO BP SA Wrocław
Account owner: Wrocław University of Environmental and Life Sciences
25 Norwida St., 50-375 Wrocław, POLAND

Payment Title: COEE 2021 Conference, Name and Surname

The registration fee includes:

- Admission to watch the conference online
- Full access to all conference sessions
- Conference materials (including certificate)
- Access to all the presentations and video recordings after the conference

PAPER SELECTION AND PUBLICATION

Full papers submitted for the conference will be selected, reviewed and considered by the Scientific Committee and Editors-in-Chief to be published in journals given below:

Ecological Engineering (IF = 3.512 – in 2019)

https://www.journals.elsevier.com/ecological-engineering

Water (IF = $2.544 - in\ 2019$)

https://www.mdpi.com/journal/water/special issues/Wastewater Climate

Archives of Environmental Protection (IF = 1.775 - in 2019)

http://ipis.pan.pl/en/nauka-2/archives-of-environmental-protection

Atmosphere (IF = 2.397 - in 2019)

https://www.mdpi.com/journal/atmosphere

Sustainability (IF = 2.576 - in 2019)

https://www.mdpi.com/journal/sustainability

Journal of Ecological Engineering

http://www.jeeng.net

Acta Scientiarum Polonorum - Formatio Circumiectus

http://www.acta.urk.edu.pl

All papers must report original, previously unpublished, scientific and technical findings in the scopes of the conference. The publication cost depends on the individual requirements of the journal.

CONTACT

Aleksandra Bawiec, PhD - 2coee@upwr.edu.pl

phone: (+48) 667 382 604

Wrocław University of Environmental and Life Sciences, Poland

Institute of Environmental Engineering

Grunwaldzki Sq. 24, Wrocław

https://coee.urk.edu.pl