

2nd Announcement

The International Scientific Conference
10th Forum of Ecological Engineering
 9–11 September 2019, Kazimierz Dolny, Poland



**10th Forum of Ecological Engineering is organized under Honorary Patronage
 the Minister of Science and Higher Education in Poland – Jarosław Gowin**



About 200 participants representing 54 different scientific institutions from 17 countries around the World join to the International Scientific Conference "10th Forum of Ecological Engineering".

THE MAIN ORGANIZER

- Polish Society of Ecological Engineering

SCIENTIFIC SUPPORT

- Faculty of Environmental Engineering, Lublin University of Technology
- Faculty of Production Engineering, University of Life Sciences in Lublin
- Polish Academy of Sciences, Branch in Lublin
- Lublin Scientific Society



THE MAIN MEDIA PARTNER



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FORUM2019 The International Scientific Conference
 10th Forum of Ecological Engineering
 9–11.09.2019, Kazimierz Dolny, Poland

Lublin University of Technology, ul. Nadbystrzycka 40B, 20-618 Lublin, Poland
 +48 81 538 4171, ptie@pollub.pl, www.forumptie.pollub.pl

PARTNERS

- Urząd Miasta w Kazimierzu Dolnym
- Grupa Azoty Zakłady Azotowe "Puławy" S.A.
- PGE Górnictwo i Energetyka Konwencjonalna S.A. Oddział Elektrociepłownia Lublin-Wrotków
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- Miejskie Przedsiębiorstwo Wodociągów i Kanalizacji w Lublinie Sp. z o.o.
- TVP3 Lublin - Telewizja Polska S.A.
- Polskie Radio Lublin
- Kurier Lubelski



TOPICS

- Industrial and municipal waste management
- Pro-ecological technologies and products
- Energy-saving technologies
- Environmental landscaping
- Environmental monitoring
- Climate change in the environment
- Sustainable development
- Processing and usage of mineral resources
- Recovery of valuable materials and fuels
- Surface water and groundwater management
- Water and wastewater treatment
- Smog and air pollution prevention
- Protection and reclamation of soils
- Reclamation and revitalization of degraded areas
- Heavy metals in the environment
- Renewable energy technologies
- Environmental protection of rural areas
- Restoration and protection of urban environment
- Prevention of noise in the environment
- Environmental life-cycle assessment (LCA)
- Simulations and computer modeling for the environment

INTERNATIONAL SCIENTIFIC COMMITTEE

Chair:

Prof. Gabriel Borowski – Lublin University of Technology, Poland

Members:

Prof. Antonio Joao Carvalho de Albuquerque – University of Beira Interior, Covilhã, Portugal

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Prof. Adam M. Paruch – Norwegian Institute for Agricultural and Environmental Research – Bioforsk

Prof. Lucjan Pawłowski – Lublin University of Technology, Poland

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PhD. Faruque Hossain – New York University, New York, USA

PhD. Grzegorz Kusza – Opole University, Poland

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PhD. Hynek Roubík – Czech University of Life Sciences Prague, Czech Republic

PhD. Elżbieta Skorbiłowicz – Białystok University of Technology, Poland

PhD. Agata Szymańska-Pulikowska – Wrocław University of Environmental and Life Sciences, Poland

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REGISTRATION & FEES

Registrations are accepted by filling out an electronic form on the conference website (only online registration is possible): www.forumptie.pollub.pl/rejestracja. Prices for participants and presenting author's includes participation in sessions, conference materials, meals and accommodation in a hotel, and the cost of publication of one article in the *Journal of Ecological Engineering*. Accompanying persons are provided with food and accommodation, and participation in all social events. Fees are accepted by bank transfer to our account after confirmation of the delegates participations by the Scientific Committee.

Bank account details:

- Recipient name: PTIE Lublin
- Bank name: BNP Paribas
- IBAN: 51 1750 0012 0000 0000 3897 1166
- Title of payment: Forum 2019

IMPORTANT DATES

To 30 July 2019	Sending abstracts of the presentation to the address ptie@pollub.pl
To 31 August 2019	A fee for the last-minute payments – 460 EUR
To 31 August 2019	Submissions of full texts of conference papers for publication in the <i>Journal of Ecological Engineering</i> – directly to the Editorial System
To 31 August 2019	Sending posters in electronic version to the address ptie@pollub.pl
To 31 August 2019	Announcement of a detailed conference Programme with qualification of presentations to particular sessions
9 September 2019	We start the Forum!

Note: We provide to print the poster and hang on the board – it should be sent by e-mail in advance as a PDF file.

VENUE

Król Kazimierz Hotel
Puławska 86, 24-120 Kazimierz Dolny
Website: <http://www.krolkazimierz.pl/en/>

CONTACT

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PROGRAMME

Monday, 9th September 2019			
11.30	Registration of conference delegates		
13.30 – 15.00	Lunch break		
15.00 – 16.30	Plenary Session – opening ceremony and welcome Chairman's: prof. Gabriel Borowski, prof. Magdalena Gajewska <u>Introductory presentations:</u> 1. Prof. Czesława Rosik-Dulewska , the Member of Polish Academy of Sciences, Institute of Environmental Engineering Polish Academy of Sciences in Zabrze, Poland <i>"The future of waste management in the light of the challenges of the global economy"</i> 2. Prof. Jala Abdullah , Vice-President of Tafila Technical University, Jordan <i>"Renewable energy in Jordan – current state"</i> 3. Prof. Joanna Kostecka , the President of the Polish Society of Ecological Engineering, Poland <i>" Ecological engineering - view on tasks and challenges"</i>		
16.30 – 17.00	Coffee break		
17.00 – 18.00	Posters Session – hall		
18.00 – 19.00	Vernissage of artistic works		
19.00 – 21.30	Dinner with smooth live music		
22.00 – 24.00	"Kazimierz by Night" – guided tour for those interested in surprises		
Tuesday, 10th September 2019			
08.00 – 09.30	Breakfast		
10.00 – 11.30	Session A1	Session B1	Session C1
11.30 – 12.00	Coffee break		
12.00 – 13.30	Session A2	Session B2	Session C2
13.30 – 15.00	Lunch break		
15.00 – 16.30	Session A3	Session B3	Session C3
16.30 – 17.00	Coffee break		
17.00 – 18.30	Session A4	Session B4	Session C4
19.00 – 24.00	Gala dinner with dance live music		
Wednesday, 11th September 2019			
08.00 – 09.30	Breakfast		
09.30 – 12.30	Guided tours – buses depart from the <i>Król Kazimierz Hotel</i>		
12.30	Departure of conference delegates		

Details for Sessions planned on Tuesday, 10th of September, 2019

10.00 – 11.30	Session A1 Chairman: Prof. Heralt Schöne , Neubrandenburg University of Applied Sciences, Germany
<ol style="list-style-type: none"> 1. Prof. Sevil Veli "Advanced treatment of pre-treated commercial laundry wastewater by adsorption process: Experimental design and cost evaluation" 2. Prof. Jung-Jeng Su "Biofuel production by transesterification of bio-sludge cake without lipid extraction" 3. PhD. Euis Nurul Hidayah "Assesment of Surabaya River (Karang pilang – Gunung sari segment) water quality by Streeter-Phelps model" 4. MSc. Wei-Tse Liao "Applying water scarcity footprint methodology to evaluate and optimize raw milk production in northern Taiwan" 	
10.00 – 11.30	Session B1 Chairman: Prof. Jung-Jeng Su , National Taiwan University, Taipei, Taiwan
<ol style="list-style-type: none"> 1. Prof. Jurík Lubos "Potential and possibilities of phosphorus recycling for the wastewater treatment plant Nitra" 2. MSc. Aleksandra Pietraszek "Water reservoirs and pools cleaning by pulse power discharges" 3. PhD. Najib Mohamad Ibrahim "Effluent quality assessment of selected wastewater treatment plant in Jordan for irrigation purposes – water quality index approach" 4. PhD. Wojciech Dąbrowski "Application of trickling filter and SS-VF bed to treat sewage from craft brewery" 	
10.00 – 11.30	Session C1 (In Polish) Chairman: Prof. Kazimierz Szymański , Koszalin University of Technology
<ol style="list-style-type: none"> 1. Dr Małgorzata Falencka-Jabłońska „Metody rewitalizacji i zagospodarowania terenów pustyni industriogennej na terenie GOP-u” 2. Dr inż. Mateusz Malinowski „Analiza opłat odprowadzanych przez mieszkańców wybranych gmin województwa lubelskiego za odbiór i zagospodarowanie odpadów komunalnych” 3. Dr inż. Edyta Rosłon-Szeryńska „Postrzeganie zagrożenia bezpieczeństwa ze strony drzew przez społeczeństwo a faktyczne ryzyko wypadku spowodowanego przez wiatrołomy” 4. Dr inż. Elżbieta Szafranko „Wybrane problemy oceny oddziaływania na środowisko obiektów budowlanych z uwzględnieniem cyklu życia (LCA)” 5. Dr hab. inż. Izabela Sówka “Ocena ryzyka zdrowotnego związanego z zanieczyszczeniem powietrza w wybranych uzdrowiskach w Polsce”. 	
11.30 – 12.00	Coffee break
12.00 – 13.30	Session A2 Chairman: Prof. Tatyana Petrova , Institute of Chemical Engineering at Bulgarian Academy of Sciences, Bulgaria
<ol style="list-style-type: none"> 1. Prof. Mohmd Sarireh "Historical geotechnical study and evaluation of project progress for the Tafila City Center development project" 2. MSc. William Whitford "Biologicalisation: nature-based digital manufacturing" 3. PhD. Alicja Kicińska "Arsenic, Cadmium, and Thallium content in plants growing in close proximity to a zinc works – long-term observations" 4. PhD. Marianna Dmitrievna Kharlamova "Biodegradation mechanisms of faecal sludge using the Best Available Techniques" 5. PhD. Harmin Sulistiyaning Titah Sulis "Chromium accumulation by <i>Avicennia alba</i> that grown at eco-tourism mangrove forest in Surabaya, Indonesia" 	

12.00 – 13.30	Session B2 Chairman: Prof. Lubos Jurík, University of Agriculture in Nitra, Slovakia
	<ol style="list-style-type: none"> 1. Prof. Heralt Schöene "Contribution of electric car batteries to a sustainable electric energy system" 2. Prof. Agata Zdyb "Photovoltaic system integrated into the noise barrier – energy performance and life cycle assessment" 3. PhD. Dawid Szatten "Impact of bridges on the process of water turbidity on the example of large lowland rivers" 4. PhD. Bartosz Jawecki "The evaluation of the possibility of using water from quarry lakes to irrigation"
12.00 – 13.30	Session C2 (In Polish) Chairman: Prof. Krzysztof Józwiakowski, University of Life Sciences in Lublin
	<ol style="list-style-type: none"> 1. Prof. nadzw., dr hab. inż. Aleksander Kiryluk „Wpływ urządzeń melioracyjnych i zmian gleb pobagiennych na retencję wody na zmeliorowanym obiekcie Supraśl Dolna” 2. Dr inż. Joanna Czarnota „Biogranulacja tlenowego osadu w reaktorach GSBR z keramzytem pylistym - badania przy różnym i niekorzystnym obciążeniu ładunkiem związków organicznych” 3. Mgr inż. Paweł Malinowski „Modelowanie substancji organicznych i usuwanie azotu amoniakalnego w mokradłach z przepływem pionowym” 4. Dr Iga Szczepaniak-Wnuk „Badania zanieczyszczenia metalami ciężkimi osadów rzeki Wisły na wybranych jej odcinkach z zastosowaniem metod magnetycznych”
13.30 – 15.00	Lunch break
15.00 – 16.30	Session A3 Chairman: Prof. Mohmd Saireh, Tafila Technical University, Jordan
	<ol style="list-style-type: none"> 1. Prof. Siti Rozaimah Sheikh Abdullah "Phytotoxicity of contaminated soils containing crude oil sludge on <i>Ludwigia octovalvis</i>" 2. PhD. Gina Lova Sari "Isolation and Identification of native bacteria from total petroleum hydrocarbon polluted soil in Wonocolo Sub-District, Indonesia" 3. MSc. Dominika Grubba "Possibilities of leachate co-treatment originating from biogas production in the deammonification process" 4. Mr Kiprotich Kosgey "Impact of reactor configuration on process performance and microbial population dynamics in three systems mediated by anaerobic ammonium oxidation" 5. PhD. Ipung Fitri Purwanti "Phytoremediation of aluminum and iron contaminated soil using <i>Scirpus grosus</i>"
15.00 – 16.30	Session B3 Chairman: Prof. Gabriela Woźniak, University of Silesia in Katowice, Poland
	<ol style="list-style-type: none"> 1. PhD. Hassimi Abu Hasan "Phytoremediation efficiency of water hyacinth for batik effluent treatment" 2. MSc. Justyna Czerwińska "Effect of selected meteorological factors on the process of 'Polish smog' formation" 3. MSc. Marta Wiśniewska "Methods of assessing odour emissions from biogas plants processing municipal waste" 4. MSc. Dorota Szal "Denitrification-dependent anaerobic oxidation of methane in freshwater sediments of three reservoirs in South-Eastern Poland" 5. PhD. Bieby Voijant Tangahu "Identification of types of lichen as bioindicators of air quality in Sukolilo District, Surabaya City, Indonesia"
15.00 – 16.30	Session C3 (In Polish) Chairman: Prof. Andrzej Wac-Włodarczyk, Lublin University of Technology
	<ol style="list-style-type: none"> 1. Prof. dr hab. Kazimierz Szymański „Wpływ uprawy roślin energetycznych na zanieczyszczenie gruntu związkami ropopochodnymi” 2. Mgr inż. Sławomir Sowa „Wpływ rozwoju systemów odnawialnych źródeł energii na poprawę efektywności energetycznej obiektów” 3. Dr hab. inż. Grzegorz Nawalany „Wpływ wybranych parametrów technicznych gruntu na kształtowanie się gospodarki energetycznej szklarni” 4. Dr inż. Paweł Sokołowski „Analiza numeryczna wpływu długości cyklu chłodniczego w chłodni warzyw na wymianę ciepła z gruntem”

16.30 – 17.00	Coffee break
17.00 – 18.30	Session A4 Chairman: Prof. Agata Zdyb, Technical University of Lublin, Poland
	<ol style="list-style-type: none"> 1. Prof. Gabriela Woźniak "The role of microorganisms - plants interaction in the effectiveness of habitat restoration in the man-made areas" 2. Dr Wilfredo Bulege-Gutiérrez "Optimization of the operation of a municipal wastewater treatment plant with <i>Hydrocotyle ranunculoides</i>" 3. Prof. Tatyana Petrova "Flow simulation and identification of important model parameters in industrial packed beds for high-performance random packings" 4. Dr Joanna Beata Gawryszewska "Postenvironmental aesthetic preferences of users and design micro-interventions scenarios in Warsaw informal greenery development"
17.00 – 18.30	Session B4 (In Polish) Chairman: Prof. Krystyna Cybulska, Zachodniopomorski Uniwersytet Technologiczny w Szczecinie
	<ol style="list-style-type: none"> 1. Dr hab. inż., prof. ZUT Maria Kaszyńska „Ekologiczne trendy w technologii nowoczesnych betonów” 2. Mgr inż. Sabina Puzio „Badania wstępne innowacyjnych, proekologicznych żywic furfurylowych oraz mas sporządzonych na ich bazie” 3. Dr Joanna Grzybowska-Pietras „Zastosowanie geowłóknin z odpadów włókienniczych oraz włókien wełny do ochrony skarp przed erozją” 4. Dr inż. Łukasz Jurczyk „Dynamika ilościowa wybranych grup mikroorganizmów w hybrydowym SBR oczyszczających odcieki składowiskowe o różnych proporcjach C/N”
17.00 – 18.30	Session C4 (In Polish) Chairman: Prof. Aleksander Kiryluk, Białystok University of Technology
	<ol style="list-style-type: none"> 1. Dr inż. Adam Brysiewicz „Zmiany struktury ichtiofauny w wyniku przeprowadzonych prac utrzymaniowych na wybranych małych ciekach środkowej i zachodniej Polski” 2. Dr hab. inż. Maria Janicka „Zwiększenie różnorodności florystycznej zaniedbanych łąk rajgrasowych (<i>Arrhenatherion elatioris</i>) przez podsiew gatunków dwuliściennych” 3. Dr inż. Marcin Małuszyński „Zawartość rtęci w wierzchnich warstwach gleb z terenów o różnym wpływie antropopresji” 4. Dr hab. inż. Bogumiła Pawluśkiewicz „Wpływ skażenia gleby olejem napędowym na dynamikę kiełkowania i rozwój siewek wybranych gatunków z rodziny bobowatych”