

















## ON ECOLOGICAL AND ENVIRONMENTAL

**ENGINEERING** 

26-29 June 2018 KRAKÓW, POLAND



### HONORARY PATRONAGE









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### 3<sup>RD</sup> ANNOUNCEMENT















Joana Fernandes



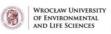
	PROPOSED CONFEREN	ICE PROGRAM			
26 <sup>th</sup> June 2018 – Tuesday					
17.00–20.00	Welcome reception – Hall in the Congress Center				
	University of Agriculture in Kraków, al. 29 Listopada 46, 30-059 Kraków				
27 <sup>th</sup> June 201	27 <sup>th</sup> June 2018 – Wednesday				
9.00-10.00	Registration – Hall in the Congress Center University of Agriculture in Kraków, al. 29 Listopada 46, 30-059 Kraków				
10.00-10.30	Conference opening – Aula				
10.30–12.30	Plenary session Chair: Magdalena Gajewska & Czesława Rosik-Dulewska				
10.30-11.00	Anabela Durao (Portugal) - Water and wastewater management in Portugal: an overview				
11.00 –11.30	Andrea Petroselli (Italy) – GIS Terrain Analysis for hydrogeomorphic applications and rainfall runoff modeling				
11.30–12.00	Konrad Thürmer (Germany) – "New" approach to river maintenance depending on a climate change				
12.00 –12.30	Jacek Dach (Poland) – Biowaste to biogas/biohydrogen: innovative Polish real-scale installations				
13.00–14.00	Lunch				
	Parallel sessio	n			
14.00–15.40	Club room	Room 003			
	Water and wastewater technology	Renewable energy			
	Chair:	Chair:			
	Anabela Durao & Gabriel Borowski	Jacek Dach & Alina Kowalczyk-Juśko			
14.00–14.20	Use of the phytoremediation for tuning olive mill wastewater pretreated by chemical precipitation	Assessment of methods for lignocellulosic biomass pre-treatment/hydrolysis to produce liquid biofuels			
	Adelaide Almeida, Manuel Godinho, Fátima Carvalho, Carlos Ribeiro	Linda Mezule, Ieva Berzina, Martins Strods			
14.20–14.40	Study of catalytic processes for biodiesel production wastewater treatment	Evaluation of energy production through solar photovoltaic technology for self-consumption in the Parish Council of São			
	Maria Teresa Borralho, Ana Pardal, Solange Coelho, Andreia Estrelo	Bartolomeu de Messines, Portugal			
		Ana Pardal, José Paulo Pinto,			

















14.40–15.00	Can analyses of pharmaceuticals and personal care products mirror microbial source tracking of faecal water contamination?	Development of the Polish geothermal sector in the light of current possibilities of financial support for a geothermal investment		
	Lisa Paruch, Adam Paruch	Anna Chmielowska, Anna Sowiżdżał		
15.00–15.20	The first implementation of green wastewater technology to agro-tourism business in Romania Adam Paruch, Trond Mæhlum, Ragnar Eltun, Emanuel Tapu, Ovidiu Spinu	Energy analysis of building biogas plant at the poultry farm Aleksandra Jeżowska, Damian Janczak, Andrzej Lewicki, Kamil Kozłowski, Dawid Chełkowski		
15.20–15.40	Discussion	Discussion		
15.40–16.00	Coffee break			
Parallel session				
16.00–17.20	Club room Water and wastewater technology Chair: Adam Paruch & Katarzyna Pawęska	Room 003 Renewable energy Chair: Linda Mezule & Ana Pardal		
16.00–16.20	The possibilities of using the broadleaf cattail seeds ( <i>Typha latifolia</i> L.) as super absorbent for removing aromatic hydrocarbons (BTEX) from an aqueous solution <i>Tomasz Ciesielczuk, Czesława Rosik-Dulewska, Joanna Poluszyńska</i>	Influence of inoculum origin on anaerobic digestion research in batch technology  Dawid Chełkowski  Wojciech Czekała, Jakub Mazurkiewicz, Aleksandra Jeżowska, Michał Brzoski		
16.20–16.40	The impact of Bacillus megaterium on the solubilization of phosphorus from the sewage sludge  Joanna Ciopińska, Elżbieta Bezak-Mazur, Renata Stoińska, Bartosz Szeląg	Combining lacasse and biogas production: use of cerrena unicolor as pretreatment for anaerobic digestion of sugarcane bagasse  Isaias Emilio, Paulino do Carmo, Dominika Skibińska, Kamil Kozłowski, Anna Anteka, Stanislaw Ledakowicz, Jacek Dach		
16.40–17.00	Effects of biochar addition on vermicomposting of food industry sewage sludge  Jakub Świątek, Tadeáš Spitzer	Mesophilic versus thermophilic anaerobic digestion of food waste as bioconversion methods  Marta Cieślik, Wojciech Czekała, Dawid Chelkowski, Maria Różańska,  Marta Archacka		
17.00–17.20	Discussion	Discussion		
20.00	Gala dinner – Canteen near Congress Center, Klemensiewicza 3, 31-425 Kraków			



















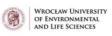
28 June 201	8 – Thursday				
	Parallel session				
9.00–10.40	Club room Water and wastewater technology Chair: Agnieszka Karczmarczyk & Andrzej Wałęga	Room 003 Formation and protection of environment Chair: Agnieszka Cupak & Andrea Petroselli			
9.00–9.20	Microwave disintegration of sludge as a method of acceleration aerobic stabilization process	Ecotoxicological risk assessment of tributaries to the Alqueva Reservoir (Southern Portugal)			
	Maciej Malarski, Justyna Czajkowska, Piotr Nowak	Patrícia Palma, Sofia Fialho, Ana Lima, Alexandra Penha, Maria Helena Novais, S. Monllor-Alcaraz, N. Guillem-Argiles, Mirien Lopez de Alda, Paula Alvarenga, Manuela Morais, Rui Salgado			
9.20–9.40	Impact of small municipal solid waste landfill on groundwater quality  Grzegorz Przydatek,  Włodzimierz Kanownik	Assessing water quality for irrigation and soil salinization risk under drought: the case of the Alqueva reservoir (Guadiana river basin			
		Alexandra Tomaz, Sofia Fialho, Ana Lima, PaulaAlvarenga, Miguel Potes, Rui Salgado, Patrícia Palma			
9.40–10.00	LC-MS/MS method validation for determination of selected neonicotinoids in groundwater for the purpose of a column experiment	Factors affecting the development of algal assemblages in the Alqueva Reservoir, southern Portugal			
	Katarzyna Wątor, Damian Pietrzak, Dorota Pękała, Justyna Wójcik, Aneta Chochorek, Ewa Kmiecik, Jarosław Kania	Maria Alexandra Penha, Maria Helena Novais, Eduardo Morales, Patrícia Palma, Sofia Fialho, Ana Filipa Lima, Susana Nunes, Anabela Rosado, Anabela Durão, Rui Salgado, Maria Manuela Morais			
10.00–10.20	Efficiency of municipal wastewater treatment with the membrane bioreactor	Finding equation constants transfer heat fluids in open porous structure			
	Magdalena Kuśnierz	Anatoliy Pavlenko, Hanna Koshlak, Anna Maria Slowak			
10.20–10.40	Discussion	Discussion			
10.40-11.40	Poster session and coffee break - Hall in the Congress Center Chair: Tomasz Tymiński & Agnieszka Ziernicka-Wojtaszek				

















Parallel session				
11.40–13.20	Club room Climate changes Chair: Justyna Czajkowska & Laima Cesoniene	Room 003 Formation and protection of environment Chair: Konrad Thürmer & Beata Olszewska		
11.40–12.00	Spatial and temporal feedback of soil erosion to climate change in an agricultural catchment in Poland  Romuald Żmuda, Grzegorz Chrobak	Marginal cost curve of air pollution reduction as a tool of air quality management: Krakow case study  Agnieszka Flaga-Maryańczyk,  Tomasz Stypka		
12.00–12.20	Application of a detection and attribution approach to identify the impact of anthropogenic factors on local climate change	Application of the theory of game against nature in the assessment of technical solutions used in river regulation in the context of aquatic plant protection		
	Grzegorz Chrobak, Katarzyna Chrobak	Justyna Hachoł, Elżbieta Bondar- Nowakowska		
12.20–12.40	Verification of pluviothermal regionalizations of Poland in the light of contemporary climate change	Evaluation of the possibility of using laser scanning for estimation of biomass production in hybrid constructed wetland		
	Agnieszka Ziernicka-Wojtaszek	Radomir Obroślak, Andrzej Mazur, Alina Kowalczyk-Juśko, Agnieszka Listosz, Michał Marzec, Kamil Nieścioruk, Patrycja Pochwatka, Krzysztof Jóźwiakowski, Roman Rybicki, Przemysław Leń		
12.40-13.00	Environmental revolution in Cameroon	Environmental turmoils an effect of lack of sustainability		
	Prudencia Ekom Mbah	Valery Nkengifor		
13.00–13.20	Discussion	Discussion		
13.30–14.30	Lunch			
16.00	Kraków Tour: Main Square in Krakow, Cloth Hall, St. Mary's Basilica, Royal Wawel Cathedral (Tombs of Polish Kings in Wawel), Tower of Silver Bells.			
29 <sup>th</sup> June 201	8 – Friday			
9.00–14.00	Protection of the natural environment in the Ojców National Park - Tour			
14.00–15.00	Dinner – <b>Closing ceremony of the conference</b> Zajazd Wernyhora s.c., Pieskowa Skała 9, 32-045 Sułoszowa			
about 16.00	Return to Kraków			

















# IMPORTANT INFORMATIONSDEADLINE FOR FULL MANUSCRIPT SUBMISSION $30^{TH}$ JUNE 2018POSTERS SIZE $60 \times 90 \text{ cm}$

### **PUBLICATION OF PAPERS**

All papers must report original, previously unpublished, scientific and technical findings in the scopes of the conference, prepare correctly with guidelines of each journal.

Please to send the full manuscript of paper directly to the journal which the article was chosen from the list:

Ecological Engineering (IF = 2.914 - in 2016/2017)

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

**Archives of Environmental Protection (IF = 0.708 – in 2016/2017)** 

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

**Journal of Ecological Engineering** 

http://www.jeeng.net

Acta Scientiarum Polonorum - Formatio Circumiectus

http://www.formatiocircumiectus.actapol.net/pl/

Journal of Water and Land Development

http://www.itp.edu.pl/wydawnictwo/journal/index\_en.php.

#### The Web of Conferences materials (E3S)

Article to The Web of Conferences materials should be prepare correctly with guidelines which you will find in website: A4 (210 x 297 mm) paper size, two columns format

Full papers to The Web of Conferences materials and Publication Right Form (<a href="https://www.e3s-conferences.org/doc\_journal/woc/publication\_right\_form.pdf">https://www.e3s-conferences.org/doc\_journal/woc/publication\_right\_form.pdf</a>) should be sending on the e-mail: <a href="magkaspr@pg.edu.pl">magkaspr@pg.edu.pl</a>.

<u>In the all papers should be added annotation:</u> Publication supported by the Polish Ministry of Science and Higher Education as a part of the program of activities disseminating science from the project "Organization of the First International Science Conference – Ecological and Environmental Engineering", 26-29 June 2018, Kraków.

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