

# SIMPOZIONUL NAȚIONAL CU PARTICIPARE INTERNAȚIONALĂ ENVIRONMENT & PROGRESS

10 NOIEMBRIE 2017, CLUJ-NAPOCA, ROMÂNIA



## PROGRAM

### Amfiteatrul I. PETRESCU

09:00 – 09:30	<b>Ceremonia de deschidere oficială a simpozionului</b>
09:30 – 10:20	<b>SECȚIUNEA DE PREZENTĂRI PLENARE</b> <i>Chairpersons: Cosmonaut Dr. Ing. Dumitru Dorin <b>PRUNARIU</b> Prof. Dr. Ing. Cristina <b>ROȘU</b></i>
09:30 – 09:55	<b>CS I Dr. Maria-Virginia COMAN</b> (Universitatea Babeș-Bolyai, Institutul de Cercetări în Chimie “Raluca Ripan”, Cluj-Napoca) <i>“Methodology for the prioritization of the river basin specific pollutants. A case study: the Romanian Tisza River watershed”</i>
09:55 – 10:20	<b>Dr. Zaharie MOLDOVAN</b> (Institutul Național de Cercetare Dezvoltare pentru Tehnologii Izotopice și Moleculare, Cluj-Napoca) <i>“Effects of extreme meteorological events on the distribution of micropollutants in surface and drinking water”</i>
10:50 – 12:05	<b>SECȚIUNEA DE PREZENTĂRI PLENARE</b> (Amfiteatrul I. PETRESCU) <i>Chairpersons: Prof. Dr. Ing. Maria <b>POPA</b> ; Conf. Dr. Nicoleta <b>BRIȘAN</b></i>
10:50 – 11:15	<b>Dr. Ing. Constantin IONESCU</b> (Institutul Național de Cercetare-Dezvoltare pentru Fizica Pământului, București) <i>“Earthquake disaster management system for smart cities in Romania”</i>
11:15 – 11:40	<b>Prof. Dr. Onuc COZAR</b> (Universitatea Babeș-Bolyai, Facultatea de Fizică, Cluj-Napoca) <i>“Structural investigation of some native biodegradable packaging materials ”</i>
11:40 – 12:05	<b>Assoc. Prof. Dr. Eng. Habil. Ildiko TULBURE</b> (Universitatea „1 Decembrie 1918 Alba Iulia) și <b>Cosmonaut Dr. Ing. Dumitru Dorin PRUNARIU</b> (președinte al Asociației ROMSPACE, București) <i>“Airspace activities in support of environmental tasks”</i>

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12:30 – 14:00	<b>PREZENTĂRI ORALE – SECȚIUNEA I</b> <i>Chairpersons: Dr. Ing. Grigore VLAD; Prof. Dr. Călin BACIU</i>
12:30 – 12:45	<b>Alida TIMAR-GABOR</b> – Dating climate change using luminescence and electron spin resonance
12:45 – 13:00	Mihaela BEGEA, <b>Corina BERKESY</b> , Laszlo Berkesy, Alexandru CÎRÎC, Iuliana Diana BĂRBULESCU, Anamaria ORDACE – Effects of the soil quality improvement by waste derived from the baker's yeast industry on the pepper and eggplant crop
13:00 – 13:15	<b>Victor BOCOȘ-BINȚINȚAN</b> , Ancuța-Maria DODEA – Rapid, real-time detection of the organophosphoric pesticide Chlorpyrifos by Ion Mobility Spectrometry
13:15 – 13:30	Oana Cristina STAN, <b>Iuliana Gabriela BREABĂN</b> , Elena Diana BOBRIC – Assessment of soil organic carbon stocks from periurban area of Iași municipality. Case study: Vișani-Cetățuia area
13:30 – 13:45	<b>Gheorghe ROȘIAN</b> , Csaba HORVATH, Liviu MUNTEAN, Nicolae BACIU, Viorel ARGHIUȘ, Cristian MALOȘ, Vlad MĂCICĂȘAN – Analysing landslides spatial distribution using GIS. Case study: Someșan plateau
13:45 – 14:00	Arthur TUNYAGI, Tiberius DICU, Kinga SZACSVAI, Botond PAPP, <b>Gabriel DOBREI</b> , Carlos SAINZ, Alexandra CUCOȘ – Automatic system for continuous monitoring of indoor air quality and remote data transmission under SMART_RAD_EN project
14:00 – 14:15	<b>ÎNCHIDEREA OFICIALĂ A CONFERINȚEI</b>

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### Sala A 1.17 – corp A

12:30 – 13:50	<b>PREZENTĂRI ORALE ECOUNIVERSITARIA – SECȚIUNEA II</b> <i>Chairperson: Prof. Dr. Ing. Valer MICLE; Șef lucrări Dr. Dan COSTIN</i>
12:30 – 12:40	Mohamed NAJAR, Islam FALOUJI, <b>Ashraf ALNAJJAR</b> – GIS - based drastic model for assessing the vulnerability of Gaza groundwater aquifer to fertilizers
12:40 – 12:50	<b>Norbert BARA</b> , Carmen ROBA, Lucrina ȘTEFĂNESCU – Water quality assessment in Balan, Romania – Case study
12:50 – 13:00	<b>Dounia BEQQOUR</b> , Mohamed OUAMMOU, Jamal BENNAZHA, Abdelah AADDANE, Mohamed BOUHRIA, Saad Alami YOUNSSI – Performance of new flat ceramic membrane made from Moroccan pozzolan and micronized phosphate and its application for the effluents treatment
13:00 – 13:10	<b>Alexandru LUPULESCU</b> , Tiberius DICU – Determination of the monthly variation of radon activity concentration in the soil
13:10 – 13:20	<b>Bogdan BULIGA</b> – CO <sub>2</sub> and CH <sub>4</sub> flow in different type of land use
13:20 – 13:30	<b>Anamaria RADU</b> – Human exposure to PM <sub>10</sub> and PM <sub>2.5</sub> in two cities of Alba County, Aiud and Sebeș
13:30 – 13:40	<b>Andrada OANCEA</b> , Ildiko TULBURE – Environmental footprint of using renewable energies
13:40 – 13:50	<b>Sofia COPACINSCHI</b> - Sustainable agriculture in global world

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### Holul B

10:20 – 10:50	<b>PAUZA DE CAFEA + SECȚIUNEA DE POSTERE</b> <i>Chairpersons: Șef lucrări Dr. Kinga <b>RETI</b>, Conf. Dr. Liviu <b>MUNTEAN</b></i>
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12:05 – 12:30	<b>PAUZA DE CAFEA + SECȚIUNEA DE POSTERE</b> <i>Chairpersons: Șef lucrări Dr. Kinga <b>RETI</b>, Conf. Dr. Liviu <b>MUNTEAN</b></i>
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	<b>POSTERE</b> <i>Chairpersons: Șef lucrări Dr. Kinga <b>RETI</b>, Conf. Dr. Liviu <b>MUNTEAN</b></i>
1.	Lidia-Marta AMARANDI, Florin UNGA, Ioana-Elisabeta POPOVICI, Luc BLAREL, Marius-Mihai CAZACU, Silviu-Octavian GURLUI, Philippe GOLOUB – Mobile measurements of mass concentrations in Lille, northern France
2.	Nicolae BACIU, Octavian Liviu MUNTEAN, Gheorghe ROȘIAN, Viorel ARGHIUȘ, Radu MIHĂIESCU, Vlad MĂCICĂȘAN – The importance of cultural landscape's elements for landscape dynamic
3.	Oana BAGIU, Maria POPA, Roxana BOSTAN – Preliminary investigations on the use of phytoremediation process for removal of heavy metal from soil
4.	Adriana Mihaela CHIRILĂ BĂBĂU, Valer MICLE, Ioana Monica SUR – Study on pedological soil properties in the “Haneș” mine area for its remediation
5.	Lucia BIOLAN, Mirela SUCHEA – Photocatalytic device for air purification applications
6.	Gianina Elena DAMIAN – New approaches regarding remediation techniques of heavy metal contaminated soils from mining areas
7.	Gabriel DOBREI, Cristian MALOȘ, Gheorghe ROȘIAN, Anca ȚENTER, Arthur TUNYAGI – Comparison between technologies and costs related to sustainable utility networks in peripheral rural settlements
8.	Mihaela DOCHIA, Simona GAVRILAȘ, Monica PUSTIANU, Cristian MOISĂ – Characterization of waste waters from different bioscouring technologies for cotton materials
9.	Florică ȘTEFAN, Tiberius DICU, Bety BURGHELE, Mircea MOLDOVAN, Kinga SZACSVAI, Anca ȚENTER, Botond PAPP, Simion BELDEAN, Andrei ISTRATE, Tiberiu CATALINA, Arthur TUNYAGI, Cristina HORJU-DEAC, Andreea RĂCHIȘAN, Teofana SFERLE, Gabriel DOBREI, Carlos SAINZ, Alexandra CUCOȘ – Indoor radon related with the geology in Romanian urban agglomerations

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10.	Adrian GLIGA, Vlad STOIAN, Mugurel JITEA, Mignon ȘANDOR – “SUSTAINFARM” – European project for innovative and sustainable intensification of integrated food and non-food systems
11.	Francisca Georgiana HUȘANU, Silviu GURLUI, Mihai Marius CAZACU, Elena PETTINELLI – Laboratory measurements for the characterization of the physical parameters of geomaterials and planetary analogues
12.	George-Marian ISPAS, Carmen ROBA, Ramona BĂLC, Delia-Maria GLIGOR – Assessment of copper concentration in greenhouse soils in Botoșani County - Romania
13.	Dragoș Teodor LUP, Ana Maria STROE, Paul Mihai CHEZAN, Elena Maria PICĂ – The importance of waste incineration
14.	Dorin MANCIULA, Lucian CÂMPEAN – Use of software applications for smartphones to identify nutritional information and allergens from industrial processed foods
15.	Călin Daniel-VĂTCA, Ildiko Melinda MARTONOȘ, Radu MIHĂIESCU – Wastewater quality monitoring. Case study: Cluj-Napoca
16.	Radu MIHĂIESCU, Cristian MALOȘ, Liviu MUNTEAN, Tania MIHĂIESCU, Virginia SCROB, Viorel ARGHIUȘ, Gheorghe ROȘIAN, Nicolae BACIU, Vlad MĂCICĂȘAN – GIS - based DRASTIC model for assessing the groundwater aquifers vulnerability to pollution sources: case study : Cehu Silvaniei (Romania) shallow underground drink water source
17.	Radu MIHĂIESCU, Simion BELDEAN-GALEA, Cristian MALOȘ, Viorel ARGHIUȘ, Virginia COMAN, Csaba HORVATH, Adina CROITORU – Enhancing transboundary cooperation between Romania and Ukraine on monitoring upper Tisza River watershed
18.	Korosfoj SANDOR, Cristina MODOI, Tiberiu RUSU – The implementation of a plan of the integrated municipal solid waste management at Târgu Lăpuș, Maramureș County
19.	Doina PRODAN, Miuta FILIP, Ioana PERHAITA, Violeta POPESCU, Ioan MARCUS, Marioara MOLDOVAN – The influence of mineral and lactose content on the stability of whey protein powders
20.	Marta MOLDOVEANU – Lăpuș Basin - Weakness and decrepitude
21.	Silvia Claudia MOȘNEAG, Daniela VELE, Călin NEAMȚU – The quality control of drinking water from distribution systems of Cluj-Napoca
22.	Edward MUNTEAN, Marcel DUDA, Nicoleta MUNTEAN – Polycyclic aromatic hydrocarbons in maize kernels
23.	Bogdan-Mihai ONICA, Roxana VIDICAN, Valentina SANDOR, Traian BRAD, Mignon SANDOR – Changes on the community level physiological profile induced by the use of different fertilizers
24.	Botond PAPP, Tiberius DICU, Alexandra CUCOȘ (DINU), Andrei ISTRATE, Tiberiu CATALINA, Alexandru LUPULESCU, Carlos SAINZ – Laboratory studies on indoor radon ventilation
25.	Vangelis GIAGIAS, Botond PAPP, Dumitru RISTOIU, Constantin COSMA – Radioactivity of building materials from Greece
26.	Dacina Crina PETRESCU, Ruxandra Malina PETRESCU-MAG, Philippe BURNY – Label information as indicators of food quality: consumers’ interest and reading frequency
27.	Zosin Sergiu PETRI, Dumitru RISTOIU, Mihail Simion BELDEAN-GALEA, Radu MIHĂIESCU – Comparative studies regarding the use of recycled PVC in finite products

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28.	Dorin POPA, Roxana BOSTAN, Maria POPA, Simona VARVARA, Doinița PRODAN, Mărioara MOLDOVAN – Investigations concerning the degradation state of „1 Decembrie 1918” University heritage building under the influence of the environment
29.	Andrei RADOVICI, Horatiu STEFANIE, Camelia BOTEZAN, Alexandru PREDA, Livio BELEGANTE, Nicolae AJTAI – Satellite products validation using ground based lidar stations - STRATUS
30.	Alexandru MEREUTA, Horatiu STEFANIE, Camelia BOTEZAN, Cristina FICUT, Emil CARSTEA, Tom SAVU, Nicolae AJTAI – Intelligent software for aerosol typing based on Earth observation products, remote sensing measurements and transport modelling – ISABEL
31.	Kinga-Olga RÉTI, Irma CSIFÓ, Gheorghe ROȘIAN, Csaba HORVÁTH – Phytoremediation of soils contaminated with heavy metals (chromium, nickel, cadmium) using Lycium Barbarum. Case study: chemical industrial platform of Târnăveni, Romania
32.	Marius-Daniel ROMAN – Considerations regarding the energy recovery of wastewater treatment plants
33.	Alin ROȘU, Marius-Mihai CAZACU, Georgiana BULAI, Francisca HUȘANU, Silviu GURLUI – A new modeling approach to retrieve various atmospheric parameters by using advanced LIDAR techniques
34.	Andreea-Maria ROTARU, Sorin POP, Vlad PĂNESCU, Mihail Simion BELDEAN-GALEA – Identification of the sources of PAHs in Cluj-Napoca’s city atmosphere using Moss as biomonitors
35.	Cornel SAVA , Marius-Daniel ROMAN – Protecting the environment through drying dehydrated sludge
36.	Mignon SANDOR, Valentina STOIAN, Bogdan ONICA, Aurel MAXIM, Mihai BUTA – SOILMAN – a new European project to explore soil biodiversity in arable soils
37.	Ioana Monica SUR, Ana-Maria TECSA, Valer MICLE, Timea GABOR – Analyze of the physical-chemical properties of the soil in the area Poșta Rât/Turda
38.	Daniel VEREȘ, Viorica TECȘA, Natalia GERASIMENKO, Ulrich HAMBACH, Christian ZEEDEN, Alida TIMAR-GABOR – New luminescence-dating constraints for the key Quaternary loess-paleosol sequence at Stayky, Northern Ukraine
39.	Ildiko TULBURE – Systems engineering task for environmental studies
40.	Sorin Claudiu ULINICI, Grigore VLAD, Gabriela BAISAN, Mihaela HETVARY - Numerical simulation of catalytic ozonation and under pressure adsorption on granular activated carbon as combined processes for water treatment
41.	Vasilica VASILE, Alina DIMA, Mihaela ION, Mariana CIONCU-PUENEA, Cora STAMATE – Environmental impact of new waterproofing materials and systems