



**NATIONAL INSTITUTE FOR RESEARCH AND DEVELOPMENT
IN ENVIRONMENTAL PROTECTION**

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Year 2018

ISI Indexed Papers

Bulletin of Romanian Chemical Engineering Society

Title	Authors
Application of correlation algorithms on monitoring data for quality assessment of the aquatic ecosystems	P. Ionescu, A.A. Ivanov, E. Diacu, Gy. Deák, V.-M Radu, C. Tociu

Bulletin of Romanian Chemical Engineering Society

Title	Authors
Innovative complex installations for the eco-electricity production in coastal areas	Alina-Florina NICOLAE, George Poteraş, György DEÁK, Andreea Ioana DĂESCU, Iasmina Florina BURLACU



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Pres. at Int. Events

Title	Event	Authors
Innovative technological solution for the recovery of wastewater for irrigation of energetic crops	EUROINVENT, Iași	Tociu C., Deák Gy., Maria C., Ciobotaru I.E., Ivanov A.A., Marcu E.
Research on the treatment of livestock wastewater by oxidative degradation processes	International Symposium ISB-INMA TEH, Bucharest	Tociu C., Maria C., Manea D., Constandache A., Ciobotaru I.E., Ivanov A.A., Marcu E., Marinescu F., Savin I.
Removal of pollutants from wastewater using wastewater treatment installations type biological filters	4th International Conference Water Across Time in Engineering Research – WATER 2018	Madalina Georgiana Boboc, Eng., Constantin Marius Raischi, Eng., Andreea Ioana Daescu, Eng., Iustina Boaja (Popescu), Dr. Eng., Mariana Mincu, Ecol., Elena Holban, Dr. ecol., Simona Diana Fronescu, Eng., Vasilica Daescu, Dr. Eng.
Advanced mobile technology for wastewater treatment using nanoparticles filters	4th International Conference Water Across Time in Engineering	Eng. Andreea Ioana Dăescu, Scientific Researcher; Deák György, Ph.D. Habil. Eng. Senior Researcher gr.I; Ph.D. Eng. Vasilica Dăescu, Senior Researcher gr.I;



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	Research – WATER 2018	Eng. Iasmina Burlacu, Scientific Researcher; Eng. Simona Diana Fronescu, Junior Researcher; Chem. Cristina Cimpoeru, Scientific Researcher; Dr. Eng. Matei Monica-Silvia, Senior Researcher gr.II; Eng. Baraitaru Andreea, Junior Researcher; Eng. Olteanu Marius, Senior Researcher gr.III
Innovative devices of eco-electricity production from multiple sources of energy	ELSEDIMIA 12TH INTERNATIONAL CONFERENCE	George Poteras, Ph.D. Eng.; Gyorgy Deak, Ph.D. Habil.Eng.; Andreea Daescu, Eng.; Alina Nicolae Eng.; Iasmina Burlacu, Eng.; Marius Raischi, Eng.; Marius Olteanu, Eng.
Considerations on the Impact of Air Pollutants on the Environment and Health	2nd International Urban, Environment and Health Congress	Holban Elena, György DEÁK , Natalia RAISCHI, Vasilica Daescu, Diana FRONESCU, Andreea DAESCU
Fate and transport of nitrogen species in unsaturated soil	2nd International Urban, Environment and Health Congress	Iustina (Popescu) BOAJĂ1, György DEÁK , Natalia RAISCHI, Petra IONESCU, Violeta- Monica RADU, Mădălina BOBOC, Elena HOLBAN, Andreea DĂESCU, Daniela ȘTEFAN
Integrated assessment of the impact generated by pollutants on aquatic ecosystems using numerical modeling with specialized software – poster	Euroinvent, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, May 2018, www.euroinvent.org	M. Ilie, Gy. Deák, G. Ghiță, F. Marinescu, Al. Ivanov, A.-F. Nicolae, G. Tudor, I. Savin, C-tin Cîrstinoiu, B. Urițescu



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<p>Presentation of the Investigations regarding the development of monitoring, assessment and capitalization capacity of natural resources provided by Romanian wetlands of international importance and the Black Sea coastal area</p>	<p>Euroinvent, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, May 2018, www.euroinvent.org</p>	<p>Gy. Deák, M.-A. Moncea, F.-D. Dumitru, M. Matei, M. Boboc, G. Tudor, B. Urişescu, T.-M. Dănălache, G. Ghiţă, F. Marinescu</p>
<p>The development of appropriate investigation procedures/methods for structures affected by Alkali-Aggregate Reactions (AAR)</p>	<p>Euroinvent, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, May 2018, www.euroinvent.org</p>	<p>G. Poteraş, A.-F. Nicolae, M. Boboc, E. Pană, C-tin Cîrstinoiu, C. Voiculeţ</p>
<p>Innovative technologies for renewable energy production from integrated natural sources in complex installations – TEACHERS</p>	<p>Euroinvent, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, May 2018, www.euroinvent.org</p>	<p>G. Poteraş, Gy. Deák, A.-F. Nicolae, A.I Dăescu, I-F. Burlacu, V. Bădescu, D. Cociorva, M. Olteanu</p>
<p>Presentation of the removal methods of heavy metals from acid mine leachate by adsorption – poster</p>	<p>Euroinvent, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, May 2018, www.euroinvent.org</p>	<p>A.-M. Anghel, Gy. Deák, G. Poteraş, C. Cimpoeru, A. Ivanov, I.-E. Ciobotaru, E. Marcu, M. Boboc, G. Tudor, M. Olteanu, A. Baraitaru</p>



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<p>Presentation of the recovery method of tailings by solidification/ stabilization with cement</p>	<p>Euroinvent, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, May 2018, www.euroinvent.org</p>	<p>A.-M. Anghel, Gy. Deák, C. Cimpoeru, A. Ivanov, I.-E. Ciobotaru, E. Marcu, M. Boboc, G. Tudor, G. Poteraş, M. Olteanu, A. Baraitaru</p>
<p>New analytical methods to evaluation emerging pollutants in the aquatic environment developed by high-performance techniques (HPLC and ICPMS)</p>	<p>Euroinvent, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, May 2018, www.euroinvent.org</p>	<p>M. Ilie, F. Marinescu, Al. Ivanov, I.-E. Ciobotaru, Gy. Deák, B. Urişescu, B. Petculescu</p>
<p>Researches on the green technologies efficiency that used solar energy using the principles of sustainable development</p>	<p>Euroinvent, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, May 2018, www.euroinvent.org</p>	<p>M. – V. Olteanu, M.-A. Miţiu, N. Ciobotaru, N.-S. Raischi, P.-I. Gheorghe, Gy. Deák, G. Poteraş, D. Cociorva, M.- A. Moncea, F.- D. Dumitru, M. Mincu, B. Urişescu, A. Cristea, G. Badea, Şt. Zamfir, A. Baraitaru, E. Pană, G. Cornăţeanu, C-tin. Neacşu</p>
<p>Chemical status of the Danube River Basin waters on Romanian territory by assessing the priority substances – heavy metals</p>	<p>ELSEDIMA International Conference, Cluj-Napoca, Romania, May 2018</p>	<p>A. – M. Anghel, Gy. Deák, P. Ionescu, C. Cimpoeru, I.-E. Ciobotaru, E. Marcu, B. Urişescu, L. Lumânăroiu, B. Petculescu, V. – M. Radu, G. Badea</p>
<p>Presentation of the quality assessment of surface waters within the Danube River Basin, based on the water and</p>	<p>Euroinvent, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, May</p>	<p>A.-M. Anghel, Gy. Deák, L. Laslo, P. Ionescu, C. Cimpoeru, I.-E. Ciobotaru, E. Marcu, Al. Ivanov, B. Urişescu, L. Lumânăroiu, Şt. Zamfir, C. Voiculeţ, E. Pană</p>



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sediment samples collected	2018, www.euroinvent.org	
Presentation of the National register regarding secondary reserves of raw materials with economic importance resulted from mining residues	Euroinvent, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, May 2018, www.euroinvent.org	Gy. Deák, F.-D. Dumitru, M.-A. Moncea, M. Matei, M.-V. Radu, A.-M. Anghel, A. Baraitaru, B. Urițescu, M. Boboc
Researches on ecotoxicity determination of the products developed by the use of metallic oxides from electroplating sludge into decorative ceramics	Euroinvent, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, May 2018, www.euroinvent.org	Marcus Maria Iuliana, Raischi Natalia Simona, Mitiu Mihaela Andreea, Lungu Cornelia
Study regarding the techniques and methods used for recycling of glass waste with special properties existing at national and international level	Euroinvent, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, May 2018, www.euroinvent.org	Trentea Alina Maria, Marcus Maria Iuliana, Dumitru Florina Diana, Baraitaru Andreea-Georgiana
Technologies for the recovery of urban wastewater treatment sludge and municipal waste	Euroinvent, 10th European Exhibition of Creativity and Innovation, Iasi, Romania, May 2018, www.euroinvent.org	Chiriac Magdalena, Marcus Maria Iuliana, Trentea Alina Maria, Deak Gyorgy, Ionescu Petra, Radu Monica Violeta



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<p>Assessment of Water Quality Parameters in Lakes from Bucharest-Ilfov Area, Romania</p>	<p>ELSEDIM International Conference, 17-19 May, 2018, Cluj-Napoca, Romania</p>	<p>Petra Ionescu, Violeta-Monica Radu, Deák György, Magdalena Chiriac, Ecaterina Marcu, Irina-Elena Ciobotaru, Alexandru Anton Ivanov, Ana-Maria Anghel, Bogdan Urişescu, Cristina Cimpoeru, Alina Trentea, Iuliana Mărcuş</p>
<p>Study on the Eutrophic Status of Selected Lakes Riparian to the Colentina River, Bucharest, Romania</p>	<p>ELSEDIM International Conference, 17-19 May, 2018, Cluj-Napoca, Romania</p>	<p>Violeta-Monica Radu, Petra Ionescu, György Deák, Alexandru Anton Ivanov, Magdalena Chiriac, Ecaterina Marcu, Irina-Elena Ciobotaru, Ana-Maria Anghel, Cristina Cimpoeru, Alina Trentea, Iuliana Mărcuş</p>