

## Year 2019

### ISI Indexed Papers

Nr. crt.	Title	Journal	Authors	Factor of impact
1.	Model-Based Re-Design of some Genetic Regulatory Circuits to get Genetic Modified Micro-organisms (GMO) by using Engineering Computational Tools	Current Trends in Biomedical Engineering & Biosciences 18(3), <a href="https://juniperpublishers.com/ctbeb/CTBEB.MS.ID.555988.php">https://juniperpublishers.com/ctbeb/CTBEB.MS.ID.555988.php</a> , 2019	Gheorghe Maria, Cristiana Luminita Gijiu, Mara Crisan, Maria Cristina, Carmen Tociu	0,822
2.	The Influence of Wastewater from Paper Mills on the Biological Process in the Municipal Wastewater Treatment	Revista de Chimie Bucharest, 70(7), 2388-2391, <a href="http://www.revistadechimie.ro">http://www.revistadechimie.ro</a> , 2019	Carmen Tociu, Cristina Maria, Ecaterina Marcu, Irina-Elena Ciobotaru	1,755
3.	In-silico optimization of a batch bioreactor for mAbs production in relationship to the net evolution of the hybridoma cell culture	Revista de Chimie Bucharest, 70(8), 2985-2992, <a href="http://www.revistadechimie.ro">http://www.revistadechimie.ro</a> , 2019	Gheorghe Maria, Cristiana Luminita Gijiu, Iulian Cebaru, Cristina Maria, Carmen Tociu	1,755
4.	Multivariate Statistical Characterisation of Soil Quality in the Lower Danube River Riparian Areas	Revista de Chimie Bucharest, 70(7), 2392-2397, 2019	Violeta-Monica Radu, Alexandru Anton Ivanov, Petra Ionescu, Gyorgy Deak, Elena Diacu, Irina-Elena Ciobotaru, Gina Ghita, Ecaterina Marcu	1,755
5.	Quality Assessment of Some Freshwater Resources Located in Bucharest and Surrounding Areas, I. Water Quality Assessment of Herastrau, Pantelimon and Mogosoia Lakes	Revista de Chimie Bucharest, 70(8), 2889-2896, 2019	Petra Ionescu, Violeta Monica Radu, Gyorgy Deak, Elena Diacu, Ecaterina Marcu, Irina-Elena Ciobotaru	1,755
6.	Quality Assessment of Some Freshwater Resources Located in Bucharest and Surrounding Areas. III. Case Study: Trophic Status Assessment of Mogosoia, Herastrau and Pantelimon Lakes	Revista de Chimie Bucharest, 70(8), 3778-3782, 2019	Violeta Monica Radu, Petra Ionescu, Gyorgy Deak, Alexandru Anton Ivanov, Elena Diacu, Ana Maria Anghel	1,755

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7.	Quality Assessment of Some Freshwater Resources Located in Bucharest and Surrounding Areas, I. Water quality assessment of Arges and Dambovita rivers	Revista de Chimie Bucharest, 70(10), 3638-3643, 2019	Petra Ionescu, Alexandru Anton Ivanov, Violeta Monica Radu, Gyorgy Deak, Elena Diacu, Ecaterina Marcu, Ana Maria Anghel	1,755
8.	Danube River Basin Waters on Romanian Territory: Chemical Status Assessment Based on Priority Substances Data Analysis	Revista de Chimie Bucharest, 70(9), 3292-3299, 2019	Ana Maria Anghel, Gyorgy Deak, Petra Ionescu, Cristina Cimpoeu, Irina Ciobotaru, Ecaterina Marcu, Bogdan Uritescu, Lucian Luminariu, Bianca Petculescu, Violeta Monica Radu, Gabriel Badea	1,755
9.	Antibiotic Resistance Profile and Chemical Quality Assessment of Groundwater Sources from Periurban Area of Bucharest, Romania	Revista de Chimie Bucharest, 70(10), 3549-3554, 2019	Florica Marinescu, Mihaela Ilie, Gina Ghita, Ioana Savin, Carmen Tociu, Ana Maria Anghel, Ecaterina Marcu, Iuliana Marcus	1,755
10.	Colorimetric and voltammetric sensing of mercury ions using 2,2'-(ethane-1,2-diybis((2-(azulen-2-ylamino)-2-oxoethyl)azanediyl))diacetic acid	Journal of Electroanalytical Chemistry, 849, 113351, <a href="https://doi.org/10.1016/j.jelechem.2019.113351">https://doi.org/10.1016/j.jelechem.2019.113351</a>	George-Octavian Buica, Anton A Ivanov, I. Lázár, Georgiana-Luiza Tatu, Cristian Omocea, Liviu Birzan, E Ungureanu	3,807
11.	Mini review curr trends biomedical eng & biosci model-based re-design of some genetic regulatory circuits to get genetic modified microorganisms (GMO) by using engineering computational tools short considerations	Biomedical Engineering, 18(3), 1-3, 2019	Gheorghe Maria, Cristiana Luminita Gijiu, Mara Crisan, Maria Cristina, Carmen Tociu	0,370
12.	Successful elimination of a refractory emergent organic compound from aqueous system using different catalytic materials	Scientific Bulletin UPB, Scientific Bulletin, University Politehnica of Bucharest, nr.4, seria B-Chimie și Știința Materialelor, Vol. 81, Issue 4, pag. 217- 226, 2019, ISSN 1454- 2331	Iasmina Burlacu, Lidia Favier, Ecaterina Matei, Cristian Predescu, Gyorgy Deák	-

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13.	Advanced SiO <sub>2</sub> Composite Materials for Heavy Metal Removal from Wastewater	Water, Air and Soil Pollution, 230, 179, 2019	Marius Olteanu, Andreea Baraitaru, Ana-Maria Panait, Diana Dumitru, Mădălina Boboc, György Deák	1,9
14.	Treatment of wastewater containing heavy metals using filters made of advanced Silica-based materials.	UPB Sci. Bull., Series B, Vol. 81, Iss. 2, pp. 19 - 28	Marius Olteanu, Andreea Baraitaru, Diana Dumitru, Andreea Moncea, György Deák, Cristina Butnariu, Cristian Predescu	-
15.	Statistical evaluation of the energy, economic and social potential from renewable sources In Romania.	Eurasian Journal of Economics and Finance, 7(3), pp. 44-51	Violeta-Monica Radu, Mariana Pipirigeanu, Deák Gyorgy, Petra Ionescu	-
16.	Studies regarding the state of Alosa immaculata (Bennet, 1983) migrating population into the Lower Danube River	AIP Conferences Proceedings, 2129, pp. 20072-1 - 20072-7	Tiberius Danalache, Deák György, Elena Holban, Marius Raischi, Ștefan Zamfir, Madalina Boboc, Monica Matei, Cosmin Pârlog, Diana Fronescu, Ionut Gheorghe, Carmen Georgeta Nicolae	-
17.	Impact of temporary loss of connectivity in the Epurasu branch and its effects on the composition and distribution of ichthyofauna.	AIP Conferences Proceedings, 2129, pp. 20075-1 - 20075-9	Adrian-Ștefan Zamfir, György Deák, Tiberius Marcel Dănalache, Puiu Lucian Georgescu, Marius Constantin Raischi, Alexandru Cristea, Lucian Oprea, Lucian Gheorghe Lumînăroiu	-
18.	Hydrodynamic parameters assessment using specialized techniques, in the context of low flows. Case study Epurasu Branch - Danube River.	AIP Conferences Proceedings, 2129, pp. 20089-1 - 20089-8	György Deák, Georgeta Tudor, Alina Florina Nicolae, Bogdan Uritescu, Constantin Cirstinoiu, Marius Constantin Raischi, Ștefan Adrian Zamfir, Gabriel Badea, Tiberius Marcel Danalache	-

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19.	Assessing the heavy metals concentrations in the Dambovita River	AIP Conferences Proceedings, 2129, pp. 20067-1 - 20089-5	György Deák, Florina-Diana Dumitru, Mihaela-Andreea Moncea, Ana-Maria Panait, Mădălina Boboc, Tiberius Dănălaşe, Elena Holban, Florica Marinescu, Petrache Ionuț Gheorghe, Irina Ciobotaru, and Mohd Remy Rozainy	-
20.	Synthesis of rice husk ash through various methods and determination of the highest silicon content for subsequent applications	AIP Conference Proceedings, 2129, 020093	Andreea Baraitaru, György Deák, Mădălina Boboc, Marius Olteanu, Monica Matei, Lucian Lumînăroiu and Marius Raischi	-
21.	Assessment of water quality in Chilia - Bastroe area as part of a model, designed for wetland protection	AIP Conferences Proceedings, 2129, pp. 20076-1 - 20076-7	Deak György, Florina Dumitru, Florica Marinescu, Madalina Boboc, Silviu Stanciu, Lucian Laslo, Monica Matei, Ana Maria Panait, and Mihaela Andreea Moncea	-
22.	Influence of water to binder ratio on mechanical properties of blended cements with brick powder waste	AIP Conferences Proceedings, 2129, pp. 20091-1 - 20091-4	Deák György, Ana Maria Panait, Andreea Mihaela Moncea, Diana Florina Dumitru, Madalina Boboc, Monica Matei, and Marius Viorel Olteanu	-
23.	Exhaustive approach to livestock wastewater treatment in irrigation purposes for a better acceptability by the public	AIP Conference Proceedings, vol. 2129, 2019	Tociu Carmen Ciobotaru Irina-Elena, Maria Cristina, György Deák, Ivanov Anton Alexandru, Marcu Ecaterina, Marinescu Florica, Savin Ioana, Noor N.M.	-

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24.	Assessment of recovery opportunities and environmental impact of mining residues from Moldova Noua tailings pond	AIP Conferences Proceedings, 2129, pp. 20068-1 - 20068-7	Florina-Diana Dumitru, György Deák, Mihaela-Andreea Moncea, Ana-Maria Panait, Monica Matei, Mădălina Boboc, Lucian Laslo, Nicu Ciobotaru, Lucian Lumînăroiu, Gabriel Cornăţeanu, and Petrache Ionuţ Gheorghie	-
25.	Analysis of satellite vegetation indicators, meteorological and water use data for sustainable management of irrigations in Romania.	AIP Conferences Proceedings, 2129, pp. 20071-1 - 20071-6	Lucian Laslo, Monica Matei, Nicu Ciobotaru, György Deák, Madalina Boboc, Norazian Mohamed Noor, Mohd Remy Rozainy	-
26.	Preliminary assessment of the status of Romanian wetlands through the framework of habitat quality analysis.	AIP Conferences Proceedings, 2129, pp. 20070-1 - 20070-5	Nicu Ciobotaru, Lucian Laslo, Theodor Lupei, György Deák, Monica Matei, Norbert Bara, Norazian Mohamed Noor	-
27.	Extreme events in Romania associated with large-scale atmospheric circulation	AIP Conferences Proceedings, 2129, pp. 20069	Monica Matei, György Deák, Nicu Ciobotaru, Lucian Laslo, Mădălina Boboc, Theodor Lupei, Norazian Mohamed Noor	-
28.	Research regarding the use of secondary raw materials for photovoltaic systems development	AIP Conference Proceedings 2129, 020064	Alina Nicolae, George Poteras, Gyorgy Deak, Marius Olteanu, Andreea Baraitaru, and Dewi Suriyani Che Halin	-
29.	Bioengineering models for wind turbines blades	AIP Conference Proceedings 2129, 020065	Alina Nicolae, George Poteras, Gyorgy Deak, Andreea Daescu, Cristina Sirbu	-

## Year 2019

### BDI Indexed Papers

Nr. crt.	Titlul articolului	Revista	Autori
1.	Assessment of contamination with hazardous substances in surface sediments in the Lower Danube River	<i>Technium: Romanian Journal of Applied Sciences and Technology</i> , Vol. 1, 37-44, 2019	Monica-Violeta Radu, Petra Ionescu, Alexandru Ivanov Anton, Gyorgy Deak, Ecaterina Marcu, Irina Ciobotaru, Elena Diacu, Mariana Pipirigeanu
2.	Bioaccumulation of potentially toxic elements in fish species from aquatic environments located in crowded areas of southern Romania	<i>Technium: Romanian Journal of Applied Sciences and Technology</i> , Vol. 1, 53-58, 2019	Petra Ionescu, Monica-Violeta Radu, Gyorgy Deak, Irina Ciobotaru, Ecaterina Marcu, Elena Diacu, Mariana Pipirigeanu
3.	Remote sensing data use for evolution analysis of the Danube distributaries river mouths in the Chilia - Bystroye area	Proceedings of the ISB-INMA TEH Agricultural and Mechanical Engineering, 946-951, 2019	Bogdan Urițescu, DEÁK György, Georgeta Tudor, Constantin Cîrstinoiu, Marius Raischi, Tiberius Marcel Dănalache, Ștefan Zamfir, Bianca Petculescu
4.	Research on the leaching behavior of the soluble fraction of solid mining waste to confirm its recovery possibility	Proceedings of the ISB-INMA TEH Agricultural and Mechanical Engineering, 2019	Anghel Ana-Maria, Ilie Mihaela, Marinescu Florica, Ciobotaru Irina-Elena, Ivanov Anton Alexandru, Ghiță Gina, Marcu Ecaterina, Vanghele N.
5.	The influence of the application of diatomite on the physical properties of the soil in vegetable crops	Proceedings of the ISB-INMA TEH Agricultural and Mechanical Engineering, 2019	Deák György, Monica Matei, Anda Rotaru, Valentina Coman, Theodor Lupei, Mădălina Voicu, Ionel Neacșu, Lucian Laslo, Mădălina Boboc, Norbert Bara
6.	Food crop responses to various factors in Romania	Proceedings of Advanced Material, Engineering & Technology, 2019	Irene Rotaru, Monica Matei, Valentina Coman, Lucian Laslo, Madalina Voicu, Theodor Lupei, N. Bara, Madalina Boboc, György Deák, Gabriel Cornățeanu
7.	<i>Advanced electrochemical treatment of the wastewater from cattle farm</i>	Proceeding of the International Symposium „Actual Tasks on Agricultural Eng.”, 2019	Nicoleta Ungureanu, Valentin Vladut, Irina Istrate, Bianca Stefania Zabava, Carmen Tociu, Mariana Ferdes, Mirela Dinca

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8.	<i>Effect of ozone on Salmonella enteritidis and Escherichia coli in contaminated water</i>	Proceeding of the International Symposium „Actual Tasks on Agricultural Eng.”, 2019	Mariana Ferdes, Mirela Dinca, Nicoleta Ungureanu, Bianca Stefania Zabava, Paraschiv G., Toma L., Carmen Tociu
9.	Advanced treatment solutions intended for the reuse of livestock wastewater in agricultural applications	Proceedings of the IOP Conference Series: Materials Science and Engineering, vol. 572, 2019	Carmen Tociu, Deák Gyorgy, Cristina Maria, Aalexandru Ivanov, Irina Ciobotaru, Ecaterina Marcu, Florica Marinescu, Cristina Cimpoeru, Ioana Savin, Alexandra Constandache
10.	Metakaolin - waste glass geopolymers. The influence of hardening conditions on mechanical performances	Proceedings of the IOP Conference Series: Materials Science and Engineering, vol. 572, 2019	Moncea Andreea, Panait Ana-Maria, Dumitru Diana, Baraitaru Andreea, Olteanu Marius, Deák Gyorgy, Boboc Madalina, Stanciu Silvius
11.	Recycling of CRT glass in plastering mortars	Proceedings of the IOP Conference Series: Materials Science and Engineering, vol. 572, 2019	Maria-Iuliana Marcus, György Deák, Florina-Diana Dumitru, Mihaela-Andreea Moncea, Ana-Maria Panait, Cristina Maria
12.	The influence of the technological process of rice husk ash synthesis over its structure	Proceedings of the IOP Conference Series: Materials Science and Engineering, vol. 572, 2019	Andreea Baraitaru, Marius Olteanu, Andreea Moncea, Diana Dumitru, Ana-Maria Panait and Gyorgy Deák
13.	Assessing the contamination of the Dambovita River through heavy metal indices	Proceedings of the IOP Conference Series: Materials Science and Engineering, vol. 572, 2019	Diana Dumitru, Gyorgy Deák, Andreea Moncea, Andreea Baraitaru, Ionut Gheorghe and Irina Ciobotaru
14.	Synthesis of ZnO nanoparticles for water treatment applications	International Journal of Conservation Science, 2019	Deak Gyorgy, Florina Diana Dumitru, Mihaela Andreea Moncea, Ana Maria Panait, Andreea Georgiana Baraitaru, Marius Viorel Olteanu, Madălina Georgiana Boboc, Silvius Stanciu
15.	Analysis of air and soil quality regarding the cross-border impact risk of the mining tailings ponds in Moldova Nouă area	International Journal of Environmental Science and Development, 2019	Natalia Raischi, Eduard Pana, Elena Holban, Marius Raischi, Gyorgy Deak
16.	A review on phytoremediation as an ecological method for in situ clean up of heavy metals contaminated soils	E3S Web Conferences Procceedeings 112, 03024 (2019) TE-RE-RD 2019	Nicolae Cioica, Catalina Tudora, Dorin Iuga, Gyorgy Deak, Monica Matei, Elena Mihaela Nagy, Gyorgy Zoltan