

**Proceedings of the 23rd International Symposium
The Environment and the Industry**

**Online Event (www.simiecoind.ro)
24÷25 September 2020, Romania**

CONTENT

pag.

Alexandra-Elisabeta Stamate, Rodica Zavoianu, Octavian Dumitru Pavel, Anca Cruceanu, Mihai Cosmin Corobeia, Mariana Osiac, Nicoleta Cioatera, LDH-GO composites as catalysts for the oxidative removal of indigo carmine dye from wastewater, https://doi.org/10.21698/rjeec.2020.201	6
Ion Viorel Patroescu, Razvan Laurentiu Dinu, Mihai Stefanescu, Valeriu Robert Badescu, Nicolae Ionut Cristea, Coline Martin, Application of ultrasonic disintegration to waste activated sludge for increasing of biogas production by anaerobic digestion, https://doi.org/10.21698/rjeec.2020.202	17
Alina Tatarus, Claudia Maria Simonescu, Roxana Elena Scutariu, Vasile Ion Iancu, Florinela Pirvu, Diana Puiu, Toma Galaon, HPLC detection of synthetic dyes in residual waters from wastewater treatment using adsorption on magnetic materials, https://doi.org/10.21698/rjeec.2020.203	22
Gina Vasile Scaeteanu, Roxana Maria Madjar, Mala-Maria Stavrescu-Bedivan, A comparative evaluation of surface water quality standards for lakes and fish ponds from Bucharest and vicinity, https://doi.org/10.21698/rjeec.2020.204	30
Claudiu Narcis Spinu, Ileana Crina Niculescu, Catalin Manea, Mihaiela Draghici, The influence of agricultural and industrial activities on the quality of water from public wells located in Ramnicu Valcea County, https://doi.org/10.21698/rjeec.2020.205	38
Iryna Koval, Amir Hajiali, Cavitation action on the cocci bacteria, https://doi.org/10.21698/rjeec.2020.206	45
Iuliana Paun, Vasile Ion Iancu, Florentina Laura Chiriac, Nicoleta Vasilache, Florinela Pirvu, Marcela Niculescu, Toma Galaon, New ion-chromatography method for detection of chlorite, chlorate, and bromate in drinking water, https://doi.org/10.21698/rjeec.2020.207	49
Florinela Pirvu, Iuliana Paun, Florentina Laura Chiriac, Marcela Niculescu, Nicoleta Vasilache, Luoana Florentina Pascu, Toma Galaon, Spatio-temporal variation of nitrate and nitrite levels in groundwater samples from Romania, https://doi.org/10.21698/rjeec.2020.208	56
Madalina Mihalache, Alina Banciu, Lucian Ionescu, Mihai Nita-Lazar, Elisa preliminary studies of immobilization and specific detection of bacterial strains concept, https://doi.org/10.21698/rjeec.2020.209	64
Igor Povar, Oxana Spinu, Boris Pintilie, Graphical and computational methods for determining the stability constants of mono- and polynuclear complexes with a common intersection point of the family of formation curves, https://doi.org/10.21698/rjeec.2020.210	70
Ali Yildiz, Ali Ihsan Marti, Alpaslan Yarar, Volkan Yilmaz, Determination of position of hydraulic jump in a flume by using CFD and comparison with experiential results, https://doi.org/10.21698/rjeec.2020.211	78
Ali Yildiz, Goknur Elif Yarbasi, Alpaslan Yarar, Ali Ihsan Marti, Modeling of broad crested weirs by using dynamic similarity and CFD, https://doi.org/10.21698/rjeec.2020.212	86
Cristina Dinu, Roxana Elena Scutariu, Gabriela Geanina Vasile, Anda Gabriela Tenea, Jana Petre, Liliana Valeria Cruceru, Evaluation of wastewater quality using water quality index, https://doi.org/10.21698/rjeec.2020.213	99
Nicoleta Vasilache, Elena Diacu, Gabriela Geanina Vasile, Cristina Modrogean, Iuliana Claudia Paun, Florinela Pirvu, Groundwater quality assessment for drinking and irrigation purpose using GIS, Piper diagram, and water quality index, https://doi.org/10.21698/rjeec.2020.214	109

Subhomita Ghosh Roy, Timothy J. Ehlinger, Relationships between land use, predicted pollution loadings, and ecotoxicological assays in constructed wetlands, https://doi.org/10.21698/rjeec.2020.215	118
Mihai Bratu, Elena Bucur, Valeriu Danciulescu, Mihaela Petrescu, Gheorghita Tanase, Ovidiu Vasile, Assessment of the level of noise and chemical air pollution in two distinct urban areas, https://doi.org/10.21698/rjeec.2020.216	130
Gina Alina Catrina, Lidia Kim, Agnes Serbanescu, Georgiana Cernica, Ionut Cristea, Mona Barbu, Ileana Nicolescu, Gabriela Geanina Vasile, Determination of phosphorus in different types of waste using the ICP-MS technique, https://doi.org/10.21698/rjeec.2020.217	138
Murat Saydan, Nematullah Rahimi, esra Yel, Ulku Sultan Keskin, Investigation of the effects of different sulfate types found in seawater on concrete containing microfiber and silica fume, https://doi.org/10.21698/rjeec.2020.218	145
Sorina-Claudia Negrea, Lidia Ani Diaconu, Valeria Nicorrescu, Dorian Neidoni, Ana-Maria Baciu, Claudia Licurici, Florica Manea, Comparative testing of Ag/Au/Pt graphene electromodified electrodes in electrochemical detection of tetracycline-emerging pollutant, https://doi.org/10.21698/rjeec.2020.219	153
Georgiana Cernica, Gina Alina Catrina, Georgeta Madalina Arama, Agnes Serbanescu, Adriana Cuciureanu, Bogdan Stanescu, Acid neutralizing capacity, an important waste management parameter, https://doi.org/10.21698/rjeec.2020.220	166
Agnes Serbanescu, Mona Barbu, Ionut Cristea, Lidia Kim, Gina Alina Catrina, Georgiana Cernica, Ileana Nicolescu, Municipal solid waste (MSW) - competitive raw materials for combustible materials obtaining, https://doi.org/10.21698/rjeec.2020.221	170
Valeriu Danciulescu, Elena Bucur, Mihaela Petrescu, Mihai Bratu, Andreea Cozea, Gheorghita Tanase, Comparative assessment of air pollutant emissions from brick manufacturing, https://doi.org/10.21698/rjeec.2020.222	180
Mihaela Petrescu, Elena Bucur, Valeriu Danciulescu, Andreea Cozea, Claudia-Mihaela Borcescu, Mihai Bratu, Gheorghita Tanase, Analytical methods for the determination of Cr⁶⁺ from fixed source emissions, https://doi.org/10.21698/rjeec.2020.223	185
Valeria Nicorescu, Ladislau Andres, Sorina Claudia Negrea, Dorian Gabriel Neidoni, Carol Blaziu Lehr, Corina Orha, Sustainable sludge management - its use for remediation of degraded lands, https://doi.org/10.21698/rjeec.2020.224	193
Bogdan Stanescu, Adriana Cuciureanu, Georgiana Cernica, Gina Alina Catrina, The current state of the quality of urban soils in Bucharest, https://doi.org/10.21698/rjeec.2020.225	202
Daniel Mitru, Irina Lucaciu, Mihai Nita-Lazar, Cristina Ileana Covaliu, Gheorghe Nechifor, Ioana Corina Moga, Bogdan Marin, Iuliana Paun, Impact of various surfactant classes on the microorganism community used for WWTP biodegradation treatment, https://doi.org/10.21698/rjeec.2020.226	210