



I 1.1.

SOLID WASTE MANAGEMENT IN ROMANIA: CURRENT AND FUTURE ISSUES

By: Orlescu, Constantin Mircea; Costescu, Ioana Alina

ENVIRONMENTAL ENGINEERING AND MANAGEMENT

JOURNAL Volume: 12 Issue: 5 Pages: 891-899 Published: MAY 2013

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1.

POSSIBILITIES TO USE HYDRAULIC ENERGY IN SMALL OR MEDIUM SIZE IRRIGATION ARRANGEMENTS

By: Orlescu, M.; Costescu, I. A.

Book Group Author(s): SGEM

Conference: 12h International Multidisciplinary Scientific Geoconference (SGEM) Location: Albena, BULGARIA Date: JUN 17-23, 2012

Sponsor(s): Minist Environm & Water; Bulgarian Acad Sci; Acad Sci Czech Republ; Acad Sci IR Iran; Latvian Acad Sci; Polish Acad Sci; Russian Acad Sci; Serbian Acad Sci & Arts; Slovak Acad Sci; Natl Acad Sci Ukraine; Bulgarian Ind Assoc

12th International Multidisciplinary Scientific Geoconference, SGEM 2012, Vol. IV Book

Series: International Multidisciplinary Scientific GeoConference-SGEM Pages: 579-585 Published: 2012

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2

SOLUTIONS TO IDENTIFY ENVIRONMENTAL RISKS POSED BY MUNICIPAL LANDFILLS AN AMOUNT OF POSSIBILITIES FOR SUSTAINABLE DEVELOPMENT

By: Costescu, I. A.; Orlescu, M.

Book Group Author(s): SGEM

Conference: 12h International Multidisciplinary Scientific Geoconference (SGEM) Location: Albena, BULGARIA Date: JUN 17-23, 2012

Sponsor(s): Minist Environm & Water; Bulgarian Acad Sci; Acad Sci Czech Republ; Acad Sci IR Iran; Latvian Acad Sci; Polish Acad Sci; Russian Acad Sci; Serbian Acad Sci & Arts; Slovak Acad Sci; Natl Acad Sci Ukraine; Bulgarian Ind Assoc

12th International Multidisciplinary Scientific Geoconference, SGEM 2012, Vol. V Book

Series: International Multidisciplinary Scientific GeoConference-SGEM Pages: 773-778 Published: 2012

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3.

ECOLOGICAL SOLUTION TO REMEDIATE THE ENVIRONMENTAL FACTORS AND FOR A COMPLIANT EXPLOITATION OF AN OIL EXPLOITATION PERIMETER

By: Costescu, I. A.; Orlescu, M.

Book Group Author(s): SGEM

Conference: 13th International Multidisciplinary Scientific Geoconference, SGEM

2013 Location: Albena, BULGARIA Date: JUN 16-22, 2013

GEOCONFERENCE ON ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION, SGEM 2013, VOL I Book Series: International Multidisciplinary Scientific GeoConference-SGEM Pages: 323-330 Published: 2013

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4.

ECOLOGICAL IMPACT OF IRRIGATION IN RUDNA - GIULVAZ DRAINAGE SYSTEM

By: Pelea, George Narcis; Costescu, Ioana Alina; Nemes, Nicoleta Sorina; et al.

Book Group Author(s): SGEM

Conference: 15th International Multidisciplinary Scientific Geoconference (SGEM) Location: Albena, BULGARIA Date: JUN 18-24, 2015

Sponsor(s): Bulgarian Acad Sci; Acad Sci Czech Repub; Latvian Acad Sci; Polish Acad Sci; Russian Acad Sci; Serbian Acad Sci & Arts; Slovak Acad Sci; Natl Acad Sci Ukraine; Inst Water Problem & Hydropower NAS KR; Natl Acad Sci Armenia; Sci Council Japan; World Acad Sci; European Acad Sci Arts & Letters; Acad Sci Moldova; Montenegrin Acad Sci & Arts; Croatian Acad Sci & Arts; Georgian Natl Acad Sci; Acad Fine Arts & Design Bratislava; Turkish Acad Sci; Bulgarian Ind Assoc; Bulgarian Minist Environ & Water

ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION, VOL II Book Series: International Multidisciplinary Scientific GeoConference-SGEM Pages: 165-171 Published: 2015

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5.

COMPLIANT SOLUTIONS FOR A TECHNOLOGICAL REHABILITATION AND FUNCTIONAL EFFICIENCY OF AN IRRIGATION SYSTEM

By: Costescu, I. A.; Orlescu, M.; Pelea, George Narcis; et al.

Book Group Author(s): SGEM

Conference: 15th International Multidisciplinary Scientific Geoconference (SGEM) Location: Albena, BULGARIA Date: JUN 18-24, 2015

Sponsor(s): Bulgarian Acad Sci; Acad Sci Czech Repub; Latvian Acad Sci; Polish Acad Sci; Russian Acad Sci; Serbian Acad Sci & Arts; Slovak Acad Sci; Natl Acad Sci Ukraine; Inst Water Problem & Hydropower NAS KR; Natl Acad Sci Armenia; Sci Council Japan; World Acad Sci; European Acad Sci Arts & Letters; Acad Sci Moldova; Montenegrin Acad Sci & Arts; Croatian Acad Sci & Arts; Georgian Natl Acad Sci; Acad Fine Arts & Design Bratislava; Turkish Acad Sci; Bulgarian Ind Assoc; Bulgarian Minist Environ & Water

ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION, VOL I Book Series: International Multidisciplinary Scientific GeoConference-SGEM Pages: 127-134 Published: 2015

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6.

PIVOT IRRIGATION SYSTEM IN MURESAN DRAINAGE SYSTEM, TIMIS COUNTY, ROMANIA

By: Pelea, George Narcis; Costescu, Ioana Alina; Man, Teodor Eugen; et al.

Book Group Author(s): SGEM

Conference: 16th International Multidisciplinary Scientific Geoconference (SGEM

2016) Location: Albena, BULGARIA Date: JUN 30-JUL 06, 2016

Sponsor(s): Bulgarian Acad Sci; Acad Sci Czech Republ; Latvian Acad Sci; Polish Acad Sci; Russian Acad Sci; Serbian Acad Sci & Arts; Slovak Acad Sci; Natl Acad Sci Ukraine; Inst Water Problem & Hydropower NAS KR; Natl Acad Sci Armenia; Sci Council Japan; World Acad Sci; European Acad Sci Arts & Lett; Acad Sci Moldova; Montenegrin Acad Sci & Arts; Croatian Acad Sci & Arts; Georgian Natl Acad Sci; Acad Fine Arts & Design Bratislava; Turkish Acad Sci; Bulgarian Ind Assoc; Bulgarian Minist Environm & Water

ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION CONFERENCE PROCEEDINGS,

SGEM 2016, VOL I Book Series: International Multidisciplinary Scientific GeoConference-

SGEM Pages: 509-516 Published: 2016

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7.

CURRENT MANAGEMENT ISSUES IN EXPLOITATION AND MAINTENANCE OF IRRIGATION SYSTEMS IN WESTERN PART OF ROMANIA. CASE STUDY OF WATER QUALITY FOR IRRIGATION

By: Pelea, George Narcis; Costescu, Ioana Mina; Man, Teodor Eugen; et al.

Book Group Author(s): SGEM

Conference: 16th International Multidisciplinary Scientific Geoconference (SGEM

2016) Location: Albena, BULGARIA Date: JUN 30-JUL 06, 2016

Sponsor(s): Bulgarian Acad Sci; Acad Sci Czech Republ; Latvian Acad Sci; Polish Acad Sci; Russian Acad Sci; Serbian Acad Sci & Arts; Slovak Acad Sci; Natl Acad Sci Ukraine; Inst Water Problem & Hydropower NAS KR; Natl Acad Sci Armenia; Sci Council Japan; World Acad Sci; European Acad Sci Arts & Lett; Acad Sci Moldova; Montenegrin Acad Sci & Arts; Croatian Acad Sci & Arts; Georgian Natl Acad Sci; Acad Fine Arts & Design Bratislava; Turkish Acad Sci; Bulgarian Ind Assoc; Bulgarian Minist Environm & Water

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SGEM 2016, VOL I Book Series: International Multidisciplinary Scientific GeoConference-

SGEM Pages: 223-230 Published: 2016

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8.

CONSIDERATIONS REGARDING THE USE OF ULTRAFILTRATION TECHNIQUES TO IMPROVE THE QUALITY OF DRINKING WATERS

By: Costescu, Ioana Mina; Nemes, Nicoleta Sorina; Pelea, George Narcis

Book Group Author(s): SGEM

Conference: 16th International Multidisciplinary Scientific Geoconference (SGEM

2016) Location: Albena, BULGARIA Date: JUN 30-JUL 06, 2016

Sponsor(s): Bulgarian Acad Sci; Acad Sci Czech Republ; Latvian Acad Sci; Polish Acad Sci; Russian Acad Sci; Serbian Acad Sci & Arts; Slovak Acad Sci; Natl Acad Sci Ukraine; Inst Water Problem & Hydropower NAS KR; Natl Acad Sci Armenia; Sci Council Japan; World Acad Sci; European Acad Sci

Arts & Lett; Acad Sci Moldova; Montenegrin Acad Sci & Arts; Croatian Acad Sci & Arts; Georgian Natl Acad Sci; Acad Fine Arts & Design Bratislava; Turkish Acad Sci; Bulgarian Ind Assoc; Bulgarian Minist Environm & Water
ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION CONFERENCE PROCEEDINGS,
SGEM 2016, VOL I Book Series: International Multidisciplinary Scientific GeoConference-SGEM Pages: 203-208 Published: 2016

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9.

ACHIEVING A CIRCULAR ECONOMY - TRENDS AND FORECASTS OF WASTE GENERATION IN ROMANIA

By: Costescu, I. A.; Pelea, George Narcis; Nemes, Nicoleta Sorina

Book Group Author(s): SGEM

Conference: 16th International Multidisciplinary Scientific Geoconference (SGEM 2016) Location: Albena, BULGARIA Date: JUN 30-JUL 06, 2016

Sponsor(s): Bulgarian Acad Sci; Acad Sci Czech Republ; Latvian Acad Sci; Polish Acad Sci; Russian Acad Sci; Serbian Acad Sci & Arts; Slovak Acad Sci; Natl Acad Sci Ukraine; Inst Water Problem & Hydropower NAS KR; Natl Acad Sci Armenia; Sci Council Japan; World Acad Sci; European Acad Sci Arts & Lett; Acad Sci Moldova; Montenegrin Acad Sci & Arts; Croatian Acad Sci & Arts; Georgian Natl Acad Sci; Acad Fine Arts & Design Bratislava; Turkish Acad Sci; Bulgarian Ind Assoc; Bulgarian Minist Environm & Water

ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION CONFERENCE PROCEEDINGS,
SGEM 2016, VOL I Book Series: International Multidisciplinary Scientific GeoConference-SGEM
Pages: 33-40 Published: 2016

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Record 1 of 1

Title: Monitoring the Best Available Techniques Implementation at the Ash and Slag Landfill Urvin, Timis County, Romania

Author(s): Ionesu-Alina, C (Ionesu-Alina, Costescu); Nicoleta, N (Nicoleta, Nemes); Narcis, PG (Narcis, Pelea George)

Edited by: Drona M; Yilmaz I; Marchalito M; Conson E; Segalini A

Source: WORLD MULTIDISCIPLINARY CIVIL ENGINEERING-ARCHITECTURE-URBAN PLANNING SYMPOSIUM 2016, WMCAUS 2016 Book Series: Procedia Engineering Volume: 161 Pages: 2106-2103 DOI: 10.1016/j.proeng.2016.08.682 Published: 2016

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Usage Count (Last 180 days): 0

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Cited Reference Count: 4

Abstract: The Ash and slag Landfill Urvin is a plain deposit occupying a surface of about 50 ha, with trapezoidal shape located at about 4.0 km west from the city of Timisoara in the western part of Romania. The landfill serves the electric thermal power plant Timisoara South where it is produced part of the heat required for supplying the urban consumers in the area of Timisoara and electricity for his own consumption and covers part of the demand registered in the National Energy System - SEN. For this purpose, are used combustion plants for energy conversion of the chemical energy from coal (lygnite) and natural gas into heat and through a turbine generator with counter pressure steam, it produces electricity. Due to the small calorific power of the lignite (approx. 2000 kcal/kg) and high content of non-combustible material (slime) in its composition (approximately 27% from the ash), the amount of fuel required to produce thermal energy is high and thus the amount of solid waste results. The content of dust in flue gases from the combustion of coal is about 50 g/Nm3. To reduce the impact on the environment, these combustion plants were equipped with gas dedusting systems into the atmosphere. The slag and transport and storage system has been changed and adapted to the requirements of EU regulation since it is forbidden to store "liquid waste". Therefore, the solution has been adopted in depositing dense self-hardener slurry, a technical solution specified in the implementation plan according of the 1999/31/EC Directive, (C) 2016 The Authors. Published by Elsevier Ltd.

Accession Number: WOS:000387566508329

Language: English

Document Type: Proceedings Paper

Conference Title: World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS)

Conference Date: JUN 15-17, 2016

Conference Location: Prague, CZECH REPUBLIC

Author Keywords: ash and slag landfill; best available techniques; environment impact; environment monitoring

Addresses: [Ionesu-Alina, Costescu; Nicoleta, Nemes; Narcis, Pelea George] Politehn Univ Timisoara, Hydrotech Dept, Construct Engn Fac, 1A George Enescu St, Timisoara 300022, Romania.

Reprint Address: Ionesu-Alina, C (reprint author), Politehn Univ Timisoara, Hydrotech Dept, Construct Engn Fac, 1A George Enescu St, Timisoara 300022, Romania.

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Publisher: ELSEVIER SCIENCE BV

Publisher Address: SARA BURGERHARTSTRAAT 25, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS

Web of Science Categories: Construction & Building Technology; Engineering; Engineering, Civil

Research Areas: Construction & Building Technology; Engineering

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11.

Study on Water Source Protection - Case Study of Lake Buhui - Anina City, Caras - Severin County, Romania

By: Tamas, Mariana; Man, Teodor Eugen; Pelea, George Narcis; et al.

Edited by: Drusa, M; Yilmaz, I; Marschalko, M; et al.

Conference: World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS) Location: Prague, CZECH REPUBLIC Date: JUN 13-17, 2016

WORLD MULTIDISCIPLINARY CIVIL ENGINEERING-ARCHITECTURE-URBAN PLANNING SYMPOSIUM 2016, WMCAUS 2016 Book Series: Procedia

Engineering Volume: 161 Pages: 2203-2208 Published: 2016

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Record 1 of 1

Title: CURRENT MANAGEMENT ISSUES IN EXPLOITATION AND MAINTENANCE OF IRRIGATION SYSTEMS IN WESTERN PART OF ROMANIA, CASE STUDY OF WATER QUALITY FOR IRRIGATION

Author(s): Pelea, GN (Pelea, George Narcis); Costescu, IM (Costescu, Ioana Maria); Man, TE (Man, Teodor Eugen); Cococanu, A (Cococanu, Adrian)

Book Group Author(s): SGEM

Source: ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION CONFERENCE PROCEEDINGS, SGEM 2016, VOL. 1 Book Series: International Multidisciplinary Scientific GeoConference-SGEM Pages 223-230 Published: 2016

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Usage Count (Last 180 days): 0

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Abstract: The paper aims to present problems concerning the exploitation and maintenance of irrigation facilities in an operating local irrigation system in western Romania. The data were collected from a hydrometeorological complex arrangement located in Aranca plain, Timis county, Romania. Irrigation facilities are relatively new and overlaps with Aranca drainage system, compartment IV. In the rainy or excessive humidity periods the system is used for draining the water and in periods of drought or lack of rainfall water is pumped into the local irrigation arrangement. The drainage system is administrated by the National Agency for Land Improvements and the local irrigation facilities is a private property. For applying irrigation there are used modern sprinkler irrigation installations, respectively linear sprinkler irrigation installations and pivot sprinkler irrigation installations. The main aspect taken into consideration in this paper is the quality of water, considering that the water used for irrigation has multiple sources such as Mures river and Aranca channel. Samples were collected during operation of irrigation facilities and then analysed in a certified laboratory. The results obtained have been compared with indicators for water used for irrigation at European level.

Accession Number: WOS:500391519100000

Language: English

Document Type: Proceedings Paper

Conference Title: 16th International Multidisciplinary Scientific GeoConference (SGEM 2016)

Conference Date: JUN 30-JUL 05, 2016

Conference Location: Athens, BULGARIA

Conference Sponsors: Bulgarian Acad Sci, Acad Sci Czech Republi, Latvian Acad Sci, Polish Acad Sci, Russian Acad Sci, Serbian Acad Sci & Arts, Slovak Acad Sci, Natl Acad Sci Ukraine, Int Water Problem & Hydrosocor NAS KR, Natl Acad Sci Armenia, Sci Council Japan, World Acad Sci, European Acad Sci Arts & Lett, Acad Sci Moldova, Montenegrin Acad Sci & Arts, Croatian Acad Sci & Arts, Georgian Natl Acad Sci, Acad Fine Arts & Design Bratislava, Turkish Acad Sci, Bulgarian Ind Assoc, Bulgarian Minst Environm & Water

Author Keyword(s): irrigation facilities; local irrigation system; water quality; water pollution; water for irrigation

Address(es): [Pelea, George Narcis; Costescu, Ioana Maria; Man, Teodor Eugen; Cococanu, Adrian] Politehn Univ Timisoara, Timisoara, Romania.

Reprint Address: Pelea, GN (suprint author), Politehn Univ Timisoara, Timisoara, Romania.

Publisher: STEF92 TECHNOLOGY LTD

Publisher Address: 1 ANDREY LYAPCHEV BLVD, SOFIA, 1797, BULGARIA

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