

PAPERS PRESENTED AT CONFERENCES AND / OR PUBLISHED IN SPECIALIST PUBLICATIONS 2020

LUCRĂRI ȘTIINȚIFICE PREZENTATE LA CONFERINȚE ȘI / SAU PUBLICATE ÎN PUBLICAȚII DE

SPECIALITATE 2020

| No. | Article   | Scientific Events  | Publication   | Authors  |
|-----|---|--|---|--|
| 1.  | OHS risk assessment – a case study for underground coal mining electricians           |  | SWS Journal of Earth and Planetary Sciences - Issue 1/2020<br>ISSN: 2664 - 0090   | Vlad Mihai Pasculescu<br>Dragos Pasculescu,<br>Marius Simion Morar,<br>Marius Cornel Suvar,<br>Ligia Ioana Tuhut |
| 2.  | Underwater rock removal activities by blasting techniques                             |  | Bulletin of Mines<br><a href="http://ribeograd.ac.rs/casopis-rudarski-glasnik/">http://ribeograd.ac.rs/casopis-rudarski-glasnik/</a>        | Robert Laszlo, Edward Gheorghiosu, Stefan Ilici, Cristian Radeanu, Claudia Miron                                 |
| 3.  | Collapse of o cooling tower – a successful demolition project                         |  | EFEE Newsletter<br>Septembrie 2020<br><a href="https://online.fliphtml5.com/kiig/gqoh/#p=1">https://online.fliphtml5.com/kiig/gqoh/#p=1</a> | Robert Laszlo<br>Emilian Ghicioi<br>Edward Gheorghiosu<br>Miklos Levente   |
| 4.  | Determination of spontaneous ignition behaviour of calcium stearate dust accumulation | The 6th World Multidisciplinary Earth Sciences Symposium - WMESS | IOP Conf. Series: Earth and Environmental Science 609 (2020) 012056<br>IOP Publishing<br>doi:10.1088/1755-1315/609/1/012056                 | Niculina-Sonia Suvar,<br>Maria Prodan,<br>Irina Nalboc,<br>Andrei Szollosi-Mota,<br>Marius Cornel Suvar          |

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| 5.  | Simulation of the dispersion of substances resulting from gas explosions  | The 6th World Multidisciplinary Earth Sciences Symposium – WMESS  | IOP Conf. Series: Earth and Environmental Science 609 (2020) 012030<br>IOP Publishing<br>doi:10.1088/1755-1315/609/1/012030  | Cosmin Ioan Colda,<br>Nicolae Ioan Vlasin,<br>Vlad Mihai Pasculescu,<br>Constantin Sorin<br>Burian<br>Danut Nicolae Grecea |
| 6.  | Spatial and temporal evolution in the unsaturated zone of substances resulting from accidental discharges of petroleum products | The 6th World Multidisciplinary Earth Sciences Symposium - WMESS  | IOP Conf. Series: Earth and Environmental Science 609 (2020) 012047<br>IOP Publishing<br>doi:10.1088/1755-1315/609/1/012047  | Alexandru Simion<br>Angelica Nicoleta<br>Călămar,<br>Sorin Simion<br>Marius Kovacs   |
| 7.  | Research on cognitive behavioural coping in the context of intervention and rescue activity in toxic and explosive environments | ErgoWork 2020 International Conference on Ergonomics and Workplace Management   | Vol 64, No 1-S1 (2021)<br>ACTA Special Issue 1 2021<br><a href="https://atna-mam.utcluj.ro/index.php/Acta/article/view/1494">https://atna-mam.utcluj.ro/index.php/Acta/article/view/1494</a> | Izabella Kovacs<br>Roland Iosif Moraru<br>Angela Nicoleta<br>Călămar<br>Daniel Pupăzan<br>Cristian Nicolescu               |
| 8.  | Technical, economic and social risks encountered in the mine closure activity in the Jlu Valley                                 | FOREN 2020 ONLINE   |  | George Artur Gaman,<br>Nicolae Ilias,<br>Cristian Tomescu,<br>Emilian Ghicoi,<br>Doru Cioclea                              |
| 9.  | Discharge and atmospheric dispersion modelling in case of an accidental storage tank leakage                                    | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>ENERGY AND CLEAN TECHNOLOGIES<br>VOLUME 20/ISSUE 4.1 ISBN 978-619-7603-09-5 / ISSN 1314-2704 DOI:<br>10.5593/sgem2020/4.1                                | Vlad-Mihai Pasculescu<br>Marius Simion Morar<br>Dragos Pasculescu<br>Marius Cornel Suvar<br>Ligia Ioana Tuhut              |
| 10. | Virtual simulation of initiating explosive atmospheres due to methane leaks   | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>INFORMATICS, GEOINFORMATICS AND<br>REMOTE SENSING<br>VOLUME 20/ISSUE 2.1 ISBN 978-619-7603-06-4 / ISSN 1314-2704 DOI:<br>10.5593/sgem2020/2.1            | Daniel Florea<br>Nicolae Vlasin<br>Emilian Ghicioi<br>Adrian Bogdan Simon<br>Marinica<br>Zoltan Vass                       |

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| 11. | Computational simulation of heat transfer to combustible surfaces, in case of fire  | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>INFORMATICS, GEOINFORMATICS AND<br>REMOTE SENSING<br>VOLUME 20/ISSUE 2.1 ISBN 978-619-7603-06-4 / ISSN 1314-2704 DOI:<br>10.5593/sgem2020/2.1              | Marius Cornel Suvar<br>Daniel Florea<br>Sonia Şuvar<br>Laurenţiu Muntean<br>Emilian Ghicioi |
| 12. | Methane and carbon dioxide in Praid salt mine   | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY,<br>EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI:<br>10.5593/sgem2020/1.2 | Emeric Chiuzan,<br>George Artur Gaman,<br>Adrian Matei,<br>Ion Gherghe,<br>Razvan Dragoescu |
| 13. | Reducing the coal operating capacities in romania in the context of national energy self-sufficiency and safety insurance | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY,<br>EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI:<br>10.5593/sgem2020/1.2 | Cristian Tomescu<br>Emeric Chiuzan<br>Doru Cioclea<br>Nicolae Ianc<br>Cornel Boanta         |
| 14. | Specific operating conditions and type-dimensions of industrial ventilation systems                                       | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY,<br>EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI:<br>10.5593/sgem2020/1.2 | Ion Gherghe<br>Doru Cioclea<br>Florin Radoi<br>Adrian Matei<br>Razvan Dragoescu             |
| 15. | Analysis of a complex aerial network and determination of gas dynamics  | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY,<br>EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI:<br>10.5593/sgem2020/1.2 | Cornel Boanta<br>Doru Cioclea<br>Ion Gherghe<br>Nicolae Ianc<br>Cristian Tomescu            |

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| 16. | Development of experimental possibilities for industrial ventilation systems   | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI: 10.5593/sgem2020/1.2 | Doru Cioclea<br>Adrian Matei<br>Ion Gherghie<br>Cristian Tomescu<br>Nicolae Ianc         |
| 17. | Analysis of explosive environments that interact with industrial ventilation systems?  | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI: 10.5593/sgem2020/1.2 | Adrian Matei<br>Razvan Dragoescu<br>Doru Cioclea<br>Emeric Chiuzan<br>Florin Radoi       |
| 18. | Research on the characterization of dangerous substances from a framework point by determining the self-ignition temperature of the dust accumulations | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI: 10.5593/sgem2020/1.2 | Nălboc Irina<br>Prodan Maria<br>Szollosi-Moța Andrei<br>Șuvar Sonia                      |
| 19. | Flammability properties determination for aviation related fluids  | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI: 10.5593/sgem2020/1.2 | Șuvar Sonia<br>Prodan Maria<br>Nălboc Irina<br>Szollosi-Moța Andrei<br>Asimina Toplician |
| 20. | New methods of technical inspection of the gas bottles   | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI: 10.5593/sgem2020/1.2 | Cosmin Ilie<br>George Artur Gaman<br>Daniel Pupazan<br>Cristian Nicolescu<br>Alin Irimia |

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| 21. | Assessment and prognosis of atmospheric pollution caused by household waste landfills                        | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION<br>VOLUME 20/ISSUE 5.1 ISBN 978-619-7603-10-1 / ISSN 1314-2704 DOI: 10.5593/sgem2020/5.1               | Angelica Nicoleta Călămar<br>George Artur Gaman<br>Lorand Toth<br>Sorin Simion<br>Izabella Kovacs        |
| 22. | Study on reducing urban noise in residential buildings   | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION<br>VOLUME 20/ISSUE 5.1 ISBN 978-619-7603-10-1 / ISSN 1314-2704 DOI: 10.5593/sgem2020/5.1               | Simion Sorin<br>Angelica Nicoleta Călămar<br>Marius Kovacs<br>Alexandru Simion<br>Vlad Alexandru Lautaru |
| 23. | The use of modern technologies in rescue activity  | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI: 10.5593/sgem2020/1.2 | Alin Irimia<br>Cosmin Ilie<br>Daniel Pupazan<br>Andrei Gireadă<br>Izabella Kovacs                        |
| 24. | Realization of PM10 dust dispersion maps, results from the transport and storage activity of municipal waste | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>ENERGY AND CLEAN TECHNOLOGIES<br>VOLUME 20/ISSUE 4.1 ISBN 978-619-7603-09-5 / ISSN 1314-2704 DOI: 10.5593/sgem2020/4.1                               | Marius Kovacs<br>Lorand Toth<br>Alexandru Simion<br>Vlad Alexandru Lautaru                               |
| 25. | Cognitive and behavioral coping strategies used by under training rescuers                                   | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI: 10.5593/sgem2020/1.2 | Izabella Kovacs<br>Cristian Nicolescu<br>Lorand Toth<br>Andrei Lucian Gireada<br>Alin Irimia             |

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| 26. | Considerations regarding the dynamics of concentrations in artificially ventilated rooms                                       | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI: 10.5593/sgem2020/1.2 | Colda Cosmin<br>Gabriela Pupazan<br>Prof. Marin Nan<br>Danut Grecea<br>Marius Darie |
| 27. | Considerations regarding the determination of surface temperature for electric motors used in potentially explosive atmosphere | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI: 10.5593/sgem2020/1.2 | Dragos Fotău<br>Colda Cosmin<br>Mihai Magyari<br>Lucian Moldovan<br>Marcel Rad      |
| 28. | Temperature dynamics of galvanic cells in testing time   | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI: 10.5593/sgem2020/1.2 | Sorin Burian<br>Marius Darie<br>Gabriela Pupazan<br>Danut Grecea<br>Tiberiu Csaszar |
| 29. | The explosion risks of flammable liquids by static discharge   | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI: 10.5593/sgem2020/1.2 | Mihaela Paraian<br>Sorin Burian<br>Niculina Vatavu<br>Dan Gabor<br>Adrian Jurca     |
| 30. | Study of the influence factors for quality assurance of determination test of the drum friction for conveyor belts             | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI: 10.5593/sgem2020/1.2 | Florin Paun<br>Niculina Vatavu<br>Adrian Jurca<br>Mihai Popa                        |

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| 31. | Experiments for determining the minimum ignition energy of dust-air mixture   | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION<br>VOLUME 20/ISSUE 5.1 ISBN 978-619-7603-10-1 / ISSN 1314-2704 DOI: 10.5593/sgem2020/5.1               | Dan Gabor<br>Mihaela Părăian<br>Florin Păun<br>Mihai Popa  |
| 32. | Consideration regarding the Entries in Flameproof Enclosures Operating in Potentially Explosive Atmospheres   | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI: 10.5593/sgem2020/1.2 | Diana Sălășan<br>Mihai Magyari<br>Lucian Moldovan<br>Marcel Daniel Rad<br>Dragoș Fotău               |
| 33. | Aspects concerning the importance of inspection and maintenance of electrical equipment with type of protection flameproof enclosure and increased safety used in liquefied petroleum gas car filling station | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI: 10.5593/sgem2020/1.2 | Marcel Daniel Rad<br>Mihai Magyari<br>Lucian Moldovan<br>Dragoș Fotău<br>Diana Sălășan               |
| 34. | Local and global effects in steel buildings frames due to blast load  | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI: 10.5593/sgem2020/1.2 | Robert Laszlo<br>Florea Dinu<br>Edward Gheorghiosu<br>Ioan Marginean<br>Attila Kovacs                |
| 35. | The sensitivity assessment of explosive substances tested on friction stimulations, using the specialized equipment type FSKM-10  | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI: 10.5593/sgem2020/1.2 | Ilie - Ciprian Jitea<br>Daniela Rus<br>Attila Kovacs<br>Claudia Miron<br>Gabriel Dragos<br>Vasilescu |

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| 36. | Verification of the security of electronic detonant caps / non-electrical initiative systems on the evaluation of the criteria for acceptance of the delay precision results | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI: 10.5593/sgem2020/1.2 | Cristian Radeanu<br>Bogdan Garaliu Busoi<br>Claudia Iuliana Miron<br>Stefan Ilici<br>Ilie Ciprian Jitea |
| 37. | Testing of fireworks for verification of conformity with security requirements   | XXth International Multidisciplinary Scientific GeoConference<br>Surveying, Geology and Mining, Ecology and Management – SGEM | Conference proceedings SGEM 2020<br>SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING<br>VOLUME 20/ISSUE 1.2 ISBN 978-619-7603-05-7 / ISSN 1314-2704 DOI: 10.5593/sgem2020/1.2 | Edward Gheorghiosu<br>Robert Laszlo<br>Ştefan Ilici<br>Cristian Rădeanu<br>Bogdan Garaliu               |
| 38. | Assessment of non-electrical equipment intended use in firedamp underground mines, related to European Directive ATEX 2014/34/UE   | UKRAINIAN MINING FORUM – INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE  |  | Dan Gabor<br>Mihaela Părăian<br>Adrian Jurca<br>Niculina Vătavu<br>Mihai Popa                           |
| 39. | Trotuş salt mine complex ventilation network management  | UKRAINIAN MINING FORUM – INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE  |  | Doru Cioclea,<br>Cristian Tomescu,<br>Ion Gherghe,<br>Rădoi Florin,<br>Nicolae Ianc                     |
| 40. | Imaging and chemical methods for preventing the risk of coal self-ignition   | UKRAINIAN MINING FORUM – INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE  |  | Cristian Tomescu,<br>Doru Cioclea,<br>Ion Gherghe,<br>Cornel Boantă,<br>Florin Rădoi                    |
| 41. | Execution of blasting works in salt mines with methane atmosphere  | UKRAINIAN MINING FORUM – INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE  |  | Robert Laszlo<br>Emilian Ghicioi<br>Attila Kovacs,<br>Dana Carmen Rus<br>Cristian Radeanu               |



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| 42. | Ensuring the seismic protection of the overground objectives in the neighboring area of industrial cement producers quarries         | UKRAINIAN MINING FORUM – INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE                                     |  | Bogdan Garaliu-Bușoi<br>Dragoș Vasilescu<br>Edward Gheorghiosu<br>Ștefan Ilici<br>Sorin Bordoș                        |
| 43. | Use of hydrogen as a source of clean energy.   | International Conference on Renewable Energy<br>ICREN  |  | Danut Grecea,<br>Gabriela Pupazan,<br>Marius Darie,<br>Mihaela Paraian,<br>Cosmin Colda                               |
| 44. | The decline of the Romanian coal industry and the role of coal in the energy transition.   | International Conference on Renewable Energy<br>ICREN  |  | Cristian Tomescu,<br>Doru Cioclea,<br>Nicolae Ianc,<br>Emeric Chiuzan,<br>Laurențiu Muntean                           |
| 45. | The social impact of mine closure in the Jiu Valley.   | International Conference on Renewable Energy<br>ICREN  |  | Izabella Kovacs,<br>Simion Sorin,<br>Alin Irimia,<br>Ligia Ioana Tuhut,<br>Gheorghe Daniel Florea                     |
| 46. | Computational modelling and prediction of consequences in case of accidental releases of hazardous substances in an industrial plant | 8th International Conference on Environment Pollution and Prevention (ICEPP 2020)<br><b>3-5.12.2020 online</b> | E3S Web Conf.<br>Volume 241, 2021<br>2020 8th International Conference on Environment Pollution and Prevention (ICEPP 2020)<br>Article Number 03003<br><a href="https://doi.org/10.1051/e3sconf/202124103003">https://doi.org/10.1051/e3sconf/202124103003</a> | Vlad Mihai Pasculescu,<br>Marius Simion Morar,<br>Cristian Raul Cioara,<br>Ligia Ioana Tuhut,<br>Andrada Denisa Babut |

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| 47. | Use of performance criteria in calibrating methods for modeling and simulating the pollution phenomena of surface waters       | 8th International Conference on Environment Pollution and Prevention (ICEPP 2020)<br><b>3-5.12.2020 online</b>                        | E3S Web Conf.<br>Volume 241, 2021<br>2020 8th International Conference on Environment Pollution and Prevention (ICEPP 2020)<br>Article Number 01003<br><a href="https://doi.org/10.1051/e3sconf/202124101003">https://doi.org/10.1051/e3sconf/202124101003</a> | Lorand Toth,<br>George Artur Găman,<br>Daniel Pupăzan,<br>Cristian Nicolescu,<br>Marius Kovacs                           |
| 48. | Study regarding the determination of the flammability characteristics of the residue collected from natural gas transport.     | 8th International Conference on Environment Pollution and Prevention (ICEPP 2020)<br><b>3-5.12.2020 online</b>                        | E3S Web Conf.<br>Volume 241, 2021<br>2020 8th International Conference on Environment Pollution and Prevention (ICEPP 2020)<br>Article Number 04001<br><a href="https://doi.org/10.1051/e3sconf/202124104001">https://doi.org/10.1051/e3sconf/202124104001</a> | Maria Prodan,<br>Emilian Ghicioi,<br>Irina Nalboc,<br>Andrei Szollosi-Mota,<br>Sonia Suvar                               |
| 49. | Infrared scanning method for long distance identification and visualization of gases.  | SGEM INTERNATIONAL SCIENTIFIC CONFERENCES ON EARTH & PLANETARY SCIENCES „GREEN SCIENCES FOR GREEN LIFE“<br><b>8-11.12.2020 online</b> |  | Adrian-Bogdan Simon-Marinica,<br>Gheorghe Daniel Florea, Zoltan Vass,<br>Laurentiu Munteanu,<br>Andrada Denisa Trailoniu |
| 50. | Accidental pollution and transport of petroleum substances in groundwater  | SGEM INTERNATIONAL SCIENTIFIC CONFERENCES ON EARTH & PLANETARY SCIENCES „GREEN SCIENCES FOR GREEN LIFE“<br><b>8-11.12.2020 online</b> |  | Simion Alexandru,<br>Emilian Ghicioi, Angela Călămar, Andrei Gireadă, Cosmin Ilie  |
| 51. | Experiments with trough test determination of the self –sustaining exothermic decomposition of fertilizers containing nitrates | SGEM INTERNATIONAL SCIENTIFIC CONFERENCES ON EARTH & PLANETARY SCIENCES „GREEN SCIENCES FOR GREEN LIFE“<br><b>8-11.12.2020 online</b> |  | Andrei Szollosi-Moța,<br>Maria Prodan, Irina Vasilica Nălboc, Sonia Niculina Șuvar, Ianc Nicolae                         |

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| 52. | Research on the sensitivity to ignition of dust air mixtures  |  | <p>"Annals of the University of Petrosani Electrical Engineering"<br/>ISSN 1454-8518<br/><b>Vol. 22/2020 to the 16 th November 2020</b></p>   | <p>Popa Cătălin Mihai ,<br/>Nan Marin Silviu ,<br/>Părăian Mihaela ,<br/>Gabor Dan Sorin ,<br/>Jurca Adrian Marius ,<br/>Păun Florin Adrian ,<br/>Vătavu Niculina</p> |
| 53. | Simulation of galvanic elements tested for explosive atmospheres  |  | <p>"Annals of the University of Petrosani Electrical Engineering"<br/>ISSN 1454-8518<br/><b>Vol. 22/2020 to the 16 th November 2020</b></p>   | <p>Marius Darie<br/>Emilian Ghicioi ,<br/>Tiberiu Csaszar ,<br/>Cosmin Colda , Dănuț<br/>Grecea , Adriana<br/>Andriș , Gabriela<br/>Pupăzan</p>                       |
| 54. | Considerations regarding the resistance to impact test applicable to electrical equipment designed for use in potentially explosive atmospheres |  | <p>"Annals of the University of Petrosani Electrical Engineering"<br/>ISSN 1454-8518<br/><b>Vol. 22/2020 to the 16 th November 2020</b></p>   | <p>Moldovan Lucian,<br/>Burian Sorin, Magyari<br/>Mihai, Fotău Dragoș,<br/>Marcel Rad,<br/>Moldovan Clementina</p>  |
| 55. | Measures for reducing vulnerability of building structures due to explosions  |  | <p>JRC CONFERENCE AND WORKSHOP REPORT<br/>A ROADMAP FOR A SUSTAINABLE<br/>INTEGRATED RETROFIT OF CONCRETE<br/>BUILDINGS<br/>Proceedings of the SAFESUST2 - SURECON<br/>Workshop<br/>PDF<br/>ISBN 978-92-76-23865-2<br/>doi:10.2760/78996<br/>Print<br/>ISBN 978-92-76-23864-5<br/>doi:10.2760/35903</p> | <p>F. Dinu,<br/>I. Marginean,<br/>E. Ghicioi,<br/>V. Pasculescu,<br/>E. De Iuliis<br/>A. Khalil</p>   |
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