



**INSEMEX PETROȘANI**

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

**2015**

**LUCRĂRI ȘTIINȚIFICE PREZENTATE LA CONFERINȚE ȘI / SAU PUBLICATE ÎN PUBLICAȚII DE  
SPECIALITATE 2015**

<b>No.</b>	<b>Article</b>	<b>Scientific Events</b>	<b>Publication</b>	<b>Author, Institute</b>
<b>1.</b>	Evaluarea comportării structurilor pentru clădiri sub efectul exploziilor	A XXV-a Conferința AICPS (Asociația Inginerilor Constructori Proiectanți de Structuri), București, 2015	-	Prof.dr. ing. Florea Dinu, <i>Universitatea Politehnica Timișoara</i> Prof. dr. ing. Dan Dubina, <i>Universitatea Politehnica Timișoara</i> Dr. ing. Attila Kovacs, Dr. ing. Emilian Ghicioi, <i>INCD INSEMEX Petroșani</i> Drd. ing. Ioan Mărginean, <i>Universitatea Politehnica Timișoara</i> Dr. ing. Dragoș Vasilescu, <i>INCD INSEMEX Petroșani</i> Conf. dr. ing. Ioan Petran, <i>Universitatea Tehnică Cluj- Napoca</i>



## INSEMEX PETROȘANI

2.	Possibilities to priorly establish the structure of ventilation networks affected by underground explosions	<p>FIRST ANNOUNCEMENT OF IMCET 2015</p> <p>24TH International Mining Congress and Exhibition of Turkey UCTEA Chamber of Mining Engineers of Turkey</p> <p>14 – 17 April 2015</p> <p>Antalya/Turkey</p>	<p>PROCEEDINGS OF THE 24th INTERNATIONAL MINING CONGRESS OF TURKEY</p> <p>ISBN: 978-605-01-0705-0</p>	<p>PhD. Eng. Doru Cioclea, PhD. Eng. George A. Găman, PhD. Eng. Constantin Lupu, Eng. Ion Gherghe, PhD. Eng. Stud. Florin Rădoi, Eng. Corneliu Boantă, PhD. Eng. Stud. Vlad Mihai Păsculescu, <i>INCD INSEMEX Petroșani</i></p>
3.	Gas monitoring in the environment after a fire product in a underground sight	<p>FIRST ANNOUNCEMENT OF IMCET2015</p> <p>24TH International Mining Congress and Exhibition of Turkey UCTEA Chamber of Mining Engineers of Turkey</p> <p>14 – 17 April 2015</p> <p>Antalya/Turkey</p>	<p>PROCEEDINGS OF THE 24th INTERNATIONAL MINING CONGRESS OF TURKEY</p> <p>ISBN: 978-605-01-0705-0</p>	<p>PhD. Eng. Marius Kovacs, PhD. Eng. George A. Găman, PhD. Eng. Angela Călămar, PhD. Eng. Lorand Toth, PhD. Eng. Sorin Simion, Psih. Izabella Eisler, <i>INCD INSEMEX Petroșani</i></p>
4.	Virtual simulation of the coal bed degassing and highlight the beneficial consequences for the environment.../62	<p>Conferința Științifică de Cercetare - Dezvoltare cu participare internațională „Cunoaștere și dezvoltare durabilă”,</p> <p>Petroșani, 6-7martie 2015, Universitatea Petroșani</p>	<p>Jurnal of Economist and Technologies Knowledge</p> <p>Vol.1, No.3 March 2015</p> <p>ISSN 2360-5499</p> <p>ISSN-L 2360-5499</p> <p>Indexed in International Scientific Databases</p>	<p>Nicolae Iliăș, Eugen Cozma, Roland Moraru, <i>Universitatea din Petroșani</i></p> <p>PhD. Eng. Stud. Cristian Tomescu, PhD. Eng. Stud. Nicolae Vlasin, <i>INCD INSEMEX Petroșani</i></p>



## INSEMEX PETROȘANI

5.	Alternative energy and the reduction of the environmental pollution by exploitation and extracting methane from coal deposits of Jiu Valley	Conferința Științifică de Cercetare - Dezvoltare cu participare internațională „Cunoaștere și dezvoltare durabilă”, Petroșani, 6-7martie 2015, Universitatea Petroșani	-	Nicolae Iliș, Eugen Cozma, <i>Universitatea din Petroșani</i> PhD. Eng. Stud. Cristian Tomescu, PhD. Eng. Stud. Nicolae Vlasin, <i>INCD INSEMEX Petroșani</i> Valeriu Plesea
6.	Increasing safety conditions in industrial ventilation installations../73	Conferința Științifică de Cercetare - Dezvoltare cu participare internațională „Cunoaștere și dezvoltare durabilă”, Petroșani, 6-7martie 2015, Universitatea Petroșani	Jurnal of Economist and Technologies Knowledge Vol.1, No.3 March 2015 ISSN 2360-5499 ISSN-L 2360-5499 Indexed in International Scientific Databases	Eugen Cozma, <i>Universitatea din Petroșani</i> PhD. Eng. Stud. Florin Rădoi, PhD. Eng. Stud. Doru Cioclea, <i>INCD INSEMEX Petroșani</i>
7.	Risk assessment of exposure to noise specific for use of pyrotechnic articles for professional use (category 4)	„ACOUSTICS AND VIBRATION OF MECHANICAL STRUCTURES“ AVMS 2015 28-29 May 2015 Timișoara, România	Acoustics & Vibration of Mechanical Structures AVMS 2015 Timișoara, România ISBN-13: 978-3-03835-628-8	PhD. Eng. Gabriel Vasilescu, PhD. Eng. Attila Kovacs, PhD. Eng. Emilian Ghicioi, PhD. Eng. Rus Daniela, PhD. Eng. Stud. Edward Gheorghiosu, PhD. Eng. Stud. Ilie-Ciprian Jitea, <i>INCD INSEMEX Petroșani</i>
8.	Increasing the specific grade of occupational safety at industrial activities with risk of exposure to professional vibration	„ACOUSTICS AND VIBRATION OF MECHANICAL STRUCTURES“	Acoustics & Vibration of Mechanical Structures AVMS 2015	PhD. Eng. Gabriel Vasilescu, PhD. Eng. Emilian Ghicioi, PhD. Eng. Attila Kovacs,



## INSEMEX PETROȘANI

		AVMS 2015 28-29 May 2015 Timișoara, România	Timișoara, România ISBN-13: 978-3-03835-628-8	PhD. Eng. Stud. Ciprian Jitea, PhD. Eng. Daniela Rus, PhD. Eng. Stud. Edward Gheorghiosu, PhD. Eng. Tiberiu Csaszar.
9.	Environmental noise - disturbance factor for human activities	„ACOUSTICS AND VIBRATION OF MECHANICAL STRUCTURES“ AVMS 2015 28-29 May 2015 Timișoara, România	Acoustics & Vibration of Mechanical Structures AVMS 2015 Timișoara, România ISBN-13: 978-3-03835-628-8	PhD. Eng. Simion Sorin, PhD. Eng. George A. Găman , PhD. Eng. Angela Călămar, PhD. Eng. Daniel Pupăzan, <i>INCD INSEMEX Petroșani</i>
10.	Chemical risk assessment at working places for suitable prevention and protection of workers	IS-SSM 2015 "PROTECȚIA LUCRĂTORILOR - CERINȚĂ ESENȚIALĂ A SECURITĂȚII ȘI SĂNĂTĂȚII ÎN MUNCĂ" 29 - 30 Mai 2015, Iași	-	PhD. Eng. Chem. Stud. Nălboc Irina, PhD. Eng. Lupu Constantin, PhD. Chem.Stud. Prodan Maria, PhD. Chem.Stud. Szollosi Moța Andrei <i>INCD INSEMEX Petroșani</i>
11.	Burnout syndrome and emotional intelligence	IS-SSM 2015 "PROTECȚIA LUCRĂTORILOR - CERINȚĂ ESENȚIALĂ A SECURITĂȚII ȘI SĂNĂTĂȚII ÎN MUNCĂ" 29 - 30 Mai 2015, Iași	-	Psych. Izabella Eisler, PhD. Eng. George A. Găman, PhD. Eng. Daniel Pupăzan, PhD. Eng. Angela Călămar, <i>INCD INSEMEX Petroșani</i>
12.	Specific risk assessment for the activities of use of pyrotechnic articles category 4	IS-SSM 2015 "PROTECȚIA LUCRĂTORILOR - CERINȚĂ ESENȚIALĂ A SECURITĂȚII	-	PhD. Eng. Vasilescu G. Dragoș, PhD. Eng. Attila Kovacs, PhD. Eng. Ghicioi Emilian, PhD. Eng. Stud. Gheorghiosu



## INSEMEX PETROȘANI

		ȘI SĂNĂTĂȚII ÎN MUNCĂ" 29 - 30 Mai 2015, Iași		Edward, PhD. Eng. Rus D. Carmen, PhD. Eng. Stud. Jitea Ciprian, <i>INCD INSEMEX Petroșani</i>
13.	The elements of explosion risk assessment at workplaces with substances that may generate explosive atmospheres	IS-SSM 2015 "PROTECȚIA LUCRĂTORILOR - CERINȚĂ ESEȚIALĂ A SECURITĂȚII ȘI SĂNĂTĂȚII ÎN MUNCĂ" 29 - 30 Mai 2015, Iași	-	PhD. Eng. Mihaela Părăian, PhD. Eng. George A. Găman, PhD. Eng. Emilian Ghicioi, PhD. Eng. Sorin Burian, PhD. Eng. Florin Păun, <i>INCD INSEMEX Petroșani</i>
14.	Innovative technology for testing of protective gloves specific performances	7th INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION MSE 2015 3 - 5 Iunie 2015, Sibiu, România	CD BOOK OF ABSTRACTS	PhD. Eng. Florin Adrian Păun, PhD. Eng. Mihaela Părăian, PhD. Eng. Adrian Jurca, PhD. Eng. Leonard Lupu, Eng. Florina Muntean Berzan, <i>INCD INSEMEX Petroșani</i>
15.	Investigation of the Causes which Led to the Occurrence of a Fire in a Gas Desulphurisation Installation – Case Study –	7th INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION MSE 2015 3 - 5 Iunie 2015, Sibiu, România	CD BOOK OF ABSTRACTS	PhD. Eng. Stud. Cristian Tomescu, PhD. Eng. Constantin Lupu, PhD. Eng. Doru Cioclea, PhD. Eng. Stud. Vlad Păsculescu, <i>INCD INSEMEX Petroșani</i>
16.	Noise as a risk factor in the preparation of useful mineral substances	7th INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION MSE 2015	CD BOOK OF ABSTRACTS	PhD. Eng. Stud. Irimia Alin, PhD. Eng. Simion Sorin, PhD. Eng. Pupăzan Daniel, PhD. Eng. Călămar Angela, <i>INCD INSEMEX Petroșani</i>



## INSEMEX PETROȘANI

		3 - 5 Iunie 2015, Sibiu, România		
17.	Assessment of occurring risk of major industrial accidents with taking in view of malware actions	7th INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION MSE 2015 3 - 5 Iunie 2015, Sibiu, România	CD BOOK OF ABSTRACTS	PhD. Eng. Vasilescu G. Dragoș, PhD. Eng. Ghicioi Emilian, PhD. Eng. Kovacs Attila, PhD. Eng. Rus D. Carmen, PhD. Eng. Stud. Gheorghiosu Edward, <i>INCD INSEMEX Petroșani</i>
18.	Gas monitoring in the environment, following a fire in an underground touristic facility	XXIII International Conference "ECOLOGICAL TRUTH" Eco-Ist'15 17 - 20 June 2015 "Srebrna lisica", Mountain Kopaonik, Serbia	Proceedings XXIII International Conference ECOLOGICAL TRUTH 17 - 20 iunie, Kopaonik, Serbia ISBN 978-86-6305-032-7	PhD. Eng. Marius Kovacs , PhD. Eng. George A. Găman, PhD. Eng. Angelica Călămar , PhD. Eng. Lorand Toth , PhD. Eng. Sorin Simion, Psych. Izabella Eisler, <i>INCD INSEMEX Petroșani</i>
19.	The normalization of gaseous effluents pollutants from large combustion plants	XXIII International Conference "ECOLOGICAL TRUTH" Eco-Ist'15 17 - 20 June 2015 "Srebrna lisica", Mountain Kopaonik, Serbia	Proceedings XXIII International Conference ECOLOGICAL TRUTH 17 - 20 iunie, Kopaonik, Serbia ISBN 978-86-6305-032-7	PhD. Eng. Lorand Toth , PhD. Eng. George A. Găman, PhD. Eng. Angelica Călămar, PhD. Eng. Marius Kovacs, PhD. Eng. Sorin Simion, <i>INCD INSEMEX Petroșani</i>
20.	Computer modelling of flammable gas dispersion through leakages occurred in technological installations	International Multidisciplinary Scientific GeoConference SGEM 2015 16 - 25 June, 2015 Albena Resort, Bulgaria.	15th INTERNATIONAL MULTIDISCIPLINARY SCIENTIFIC GEOCONFERENCE SGEM 2015	PhD. Eng. Vlad Păsculescu, PhD. Eng. Stud. Marius Șuvar, PhD. Eng. Stud. Nicolae Vlasin, PhD. Eng. George A. Găman, Eng. Stud. Daniel Florea, <i>INCD INSEMEX Petroșani</i>



## INSEMEX PETROȘANI

21.	Possibilities to optimize computer simulation of compartment fires	International Multidisciplinary Scientific GeoConference SGEM 2015 16 - 25 June, 2015 Albena Resort, Bulgaria.	Informatics, Geoinformatics and Remote Sensing Conference Proceedings Volume I Informatics, Geoinformatics Photogrammetry and Remote Sensing 18-24 iunie, Albena, Bulgaria ISBN 978-619-7105-34-6 ISSN 1314-2704	PhD. Eng. Stud. Marius Șuvar, PhD. Eng. Vlad Păsculescu, PhD. Eng. Stud. Nicolae Vlasin, PhD. Eng. Constantin Lupu, PhD. Eng. Emilian Ghicioi, <i>INCD INSEMEX Petroșani</i>
22.	Laboratory methods for conformity assessment of personal protective equipment used in the extractive industry.	International Multidisciplinary Scientific GeoConference SGEM 2015 16 - 25 June, 2015 Albena Resort, Bulgaria.	15th INTERNATIONAL MULTIDISCIPLINARY SCIENTIFIC GEOCONFERENCE SGEM 2015 Science and Tehnologies in Geologi, Exploration and Mining - Geology Mineral Processing Oil & Gas Exploration Volume 1 18-24 iunie, Albena, Bulgaria ISBN 978-619-7105-31-5 ISSN 1314-2704	PhD. Eng. Chem. Stud. Irina Nălboc, PhD. Eng. Doru Cioclea, PhD. Eng. Constantin Lupu , PhD. Chem. Stud. Maria Prodan, PhD. Chem. Stud. Andrei Szolloși-Moța, <i>INCD INSEMEX Petroșani</i>
23.	Variable speed drives made up of explosion proof electric motors designed for explosive atmospheres specific to oil & gas industry	International Multidisciplinary Scientific GeoConference SGEM 2015 16 - 25 June, 2015 Albena Resort, Bulgaria.	Exploration Volume 1 18-24 iunie, Albena, Bulgaria ISBN 978-619-7105-31-5 ISSN 1314-2704	PhD. Eng. Mihai Magyari, PhD. Eng. Sorin Burian, PhD. Eng. Lucian Moldovan, PhD. Eng. Stud. Dragoș Fotău, PhD. Eng. Cosmin Colda,



## INSEMEX PETROȘANI

				<i>INCD INSEMEX Petroșani</i>
24.	Assessment of the ignition sensitivity of explosive gaseous atmospheres in firedamp mines.	International Multidisciplinary Scientific GeoConference SGEM 2015 16 - 25 June, 2015 Albena Resort, Bulgaria.	15th INTERNATIONAL MULTIDISCIPLINARY SCIENTIFIC GEOCONFERENCE SGEM 2015 Science and Tehnologies in Geologi, Exploration and Mining - Exploration & Mining Applied & Environmental Geophysics Volume III 18-24 iunie, Albena, Bulgaria ISBN 978-619-7105-33-9 ISSN 1314-2704	PhD. Eng. Marius Darie, PhD. Eng. Mihai Magyari, PhD. Eng. Sorin Burian, PhD.Eng. Jeana Ionescu, PhD. Eng. Tiberiu Csaszar, <i>INCD INSEMEX Petroșani</i>
25.	Research on decreasing the seismic effect generated by blasting works performed in quarries.	International Multidisciplinary Scientific GeoConference SGEM 2015 16 - 25 June, 2015 Albena Resort, Bulgaria.		PhD. Eng. Stud. Edward Gheorghiosu, PhD. Eng. Gabriel Vasilescu , PhD. Eng. Emilian Ghicioi, PhD. Eng. Attila Kovacs, PhD. Eng. Daniela Rus, <i>INCD INSEMEX Petroșani</i>
26.	Research on increasing the labour safety level in coal mining units by using special explosive charges.	International Multidisciplinary Scientific GeoConference SGEM 2015 16 - 25 June, 2015 Albena Resort, Bulgaria.		PhD. Eng. Gabriel Vasilescu, PhD. Eng. Attila Kovacs, PhD. Eng. Emilian Ghicioi, PhD. Eng.Stud. Edward Gheorghiosu, PhD. Eng. Stud. Ilie-Ciprian Jitea, <i>INCD INSEMEX Petroșani</i>
27.	Establishing the structure of ventilation networks affected by underground explosions	International Multidisciplinary Scientific GeoConference SGEM 2015 16 - 25 June, 2015 Albena Resort, Bulgaria.		PhD. Eng. Doru Cioclea, PhD. Eng. Constantin Lupu, Eng. Ion Gherghe, Eng. Emeric Chiuzan, Eng. Corneliu Boanta,



## INSEMEX PETROȘANI

				<i>INCD INSEMEX Petroșani</i>
<b>28.</b>	Importance of mine rescuers vocational guidance and selection process	International Multidisciplinary Scientific GeoConference SGEM 2015 16 - 25 June, 2015 Albena Resort, Bulgaria.	15th INTERNATIONAL MULTIDISCIPLINARY SCIENTIFIC GEOCONFERENCE SGEM 2015 Ecology, Economics, Education and Legislation Conference Proceedings Volume III Environmental Economics Education & Accreditation in Geosciences 18-24 iunie, Albena, Bulgaria ISBN 978-619-7105-41-4 ISSN 1314-2704	PhD. Eng. Daniel Pupăzan, PhD. Eng. Angelica Călămar, PhD. Eng. George A. Găman, Psych. Izabella Kovacs, PhD. Eng. Cosmin Ilie, <i>INCD INSEMEX Petroșani</i>
<b>29.</b>	Study regarding the environmental impact of gases generated by pit blasting operations.	International Multidisciplinary Scientific GeoConference SGEM 2015 16 - 25 June, 2015 Albena Resort, Bulgaria.	15th INTERNATIONAL MULTIDISCIPLINARY SCIENTIFIC GEOCONFERENCE SGEM 2015 Ecology, Economics, Education and Legislation Conference Proceedings	PhD. Eng. Angelica Călămar, PhD. Eng. Daniel Pupăzan, PhD. Eng. George A.Găman, PhD. Eng. Marius Kovacs, PhD. Eng. Sorin Simion, <i>INCD INSEMEX Petroșani</i>



## INSEMEX PETROȘANI

			<p>Volume I Ecology &amp; Environmental Protection 18-24 iunie, Albena, Bulgaria ISBN 978-619-7105-39-1 ISSN 1314-2704</p>	
<b>30.</b>	Determining of thermal stability of explosives for civil uses modern equipment equipped with automatic temperature and pressure	<p>12th edition of the International Conference: SYSTEMS SUPPORTING IN PRODUCTION ENGINEERING. 02-05 Septembrie 2015 Suwałki - Vilnius/Trakai (Lithuania)</p>	<p>Management Systems in Production Engineering ISSN 2299-0461 3(19)2015</p>	<p>PhD. Eng. Gabriel Vasilescu, PhD. Eng. Emilian Ghicioi, PhD. Eng. Attila Kovacs, PhD. Eng. Constantin Lupu, PhD. Eng. Stud. Edward Gheorghiosu, PhD. Eng.. Daniela C. Rus, Eng. Ștefan Ilici, PhD. Eng. Stud. Ciprian Jitea, <i>INCD INSEMEX Petroșani</i></p>
<b>31.</b>	Computational simulation of the development of a fire occurred in a commercial area	<p>12th edition of the International Conference: SYSTEMS SUPPORTING IN PRODUCTION ENGINEERING. 02-05 Septembrie 2015 Suwałki - Vilnius/Trakai (Lithuania)</p>	<p>Management Systems in Production Engineering ISSN 2299-0461 3(19)2015</p>	<p>PhD. Eng. Constantin Lupu, PhD. Eng. Doru Cioclea, PhD. Eng. Stud. Nicolae Vlasin, PhD. Eng. Stud. Cristian Tomescu, PhD. Eng. Vlad Păsculescu, PhD. Eng. Stud. Marius Șuvar, <i>INCD INSEMEX Petroșani</i></p>
<b>32.</b>	Industrial noise – Health threat	<p>12th edition of the International Conference: SYSTEMS SUPPORTING IN</p>	<p>Management Systems in Production Engineering ISSN 2299-0461</p>	<p>PhD. Eng. Stud. Alin Irimia, PhD. Eng. George A. Găman, PhD. Eng. Sorin Simion,</p>



## INSEMEX PETROȘANI

		PRODUCTION ENGINEERING. 02-05 Septembrie 2015 Suwałki - Vilnius/Trakai (Lithuania)	3(19)2015	PhD. Eng. Angela Călămar, PhD. Eng. Daniel Pupăzan, <i>INCD INSEMEX Petroșani</i>
33.	Case study regarding the estimation of CO <sub>2</sub> emissions generated by	8th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT ICEEM 2015 9 - 12 Septembrie 2015 Iași, România	-	PhD. Eng. Marius Kovacs, PhD. Eng. George A. Găman, PhD. Eng. Emilian Ghicioi, PhD. Eng. Angelica Călămar, PhD. Eng. Daniel Pupăzan, <i>INCD INSEMEX Petroșani</i>
34.	The development of the methods for the treatment and purification of the mine wastewater loaded with toxic metal pollutants using natural zeolites	8th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT ICEEM 2015 9 - 12 Septembrie 2015 Iași, România	-	PhD. Chem. Szollosi-Moța Andrei, PhD. Eng. Lupu Constantin, PhD. Chem. Prodan Maria, PhD. Eng. Chem. Stud. Nălboc Irina, <i>INCD INSEMEX Petroșani</i>
35.	Thermal desorption installation parameters optimization in order to reduce gas emissions in the environment	8th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT ICEEM 2015 9 - 12 Septembrie 2015 Iași, România	-	PhD. Eng. Angelica Călămar, PhD. Eng. George A. Găman, PhD. Eng. Marius Kovacs, PhD. Eng. Daniel Pupăzan, <i>INCD INSEMEX Petroșani</i>



## INSEMEX PETROȘANI

<b>36.</b>	National regulations regarding intervention and rescue activities in toxic / explosive / flammable environments	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015 ePROCEEDINGS ISBN 978-973-741-435-9 CD	PhD. Eng. Daniel Pupăzan, PhD. Eng. George A. Găman, PhD. Eng. Angelica Călămar, PhD. Eng. Cosmin Ilie, <i>INCD INSEMEX Petroșani</i>
<b>37.</b>	Plotting dispersion maps of pollutant concentrations resulted from mining activities with the use of specialised software	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015 ePROCEEDINGS ISBN 978-973-741-435-9 CD	PhD. Eng. Angelica Călămar, PhD. Eng. George A. Găman, PhD. Eng. Daniel Pupăzan, PhD. Eng. Marius Kovacs, <i>INCD INSEMEX Petroșani</i>
<b>38.</b>	Use of civil explosives in the field of oil extrction	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015 ePROCEEDINGS ISBN 978-973-741-435-9 CD	PhD. Eng. Stud. Edward Gheorghiosu, PhD. Eng. George A. Găman, PhD. Eng. Emilian Ghicioi, PhD. Eng. Attila Kovacs, PhD. Eng. Gabriel Vasilescu, <i>INCD INSEMEX Petroșani</i> Marin Dorobanțu,
<b>39.</b>	Researches regarding determination of the electrical parameters for safe and reliable initiation of the electrical detonators	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015 ePROCEEDINGS	PhD. Eng. Leonard Lupu, PhD. Eng. Adrian Jurca, <i>INCD INSEMEX Petroșani</i>



## INSEMEX PETROȘANI

			ISBN 978-973-741-435-9 CD	
40.	Particularities of electrical equipment with type of protection flameproof enclosure "d" designed for use in firedamp underground mines	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015 ePROCEEDINGS ISBN 978-973-741-435-9 CD	PhD. Eng. Lucian Moldovan, PhD. Eng.. Sorin Burian, PhD. Eng. Mihai Magyari, PhD. Eng. Martin Friedmann, PhD. Eng. Stud. Dragoș Fotău, PhD. Eng.Stud. Marcel Rad, <i>INCD INSEMEX Petroșani</i>
41.	Investigating the effect of air humidity on the ignition probability of gaseous explosive atmospheres from firedamp underground mines	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015 ePROCEEDINGS ISBN 978-973-741-435-9 CD	PhD. Eng. Marius Darie, PhD. Eng. Sorin Burian, PhD. Eng. Jeana Ionescu, PhD. Eng. Tiberiu Csaszar, PhD. Eng. Lucian Moldovan, PhD. Eng. Cosmin Colda, Eng. Adriana Andriș, <i>INCD INSEMEX Petroșani</i>
42.	Ignition time in computational simulations of the methane-air explosions	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015 ePROCEEDINGS ISBN 978-973-741-435-9 CD	PhD. Eng. Stud. Nicolae Vlasin, PhD. Eng. Vlad Păsculescu, PhD. Eng. Stud. Marius Suvar, <i>INCD INSEMEX Petroșani</i> PhD. Prof. Univ. Eugen Cozma, <i>Universitatea din Petroșani</i> PhD. Cehm Stud. Maria Prodan, PhD. Eng. Emilian Ghicioi, <i>INCD INSEMEX Petroșani</i>



## INSEMEX PETROȘANI

<p><b>43.</b></p>	<p>Assessment of electrical detonators from point of view of the delay precisions, regardly the harmonized european standard</p>	<p>THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015</p>	<p>THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015 ePROCEEDINGS ISBN 978-973-741-435-9 CD</p>	<p>PhD. Eng. Gabriel Vasilescu, PhD. Eng. Emilian Ghicioi, PhD. Eng. Attila Kovacs, PhD. Eng. Daniela Rus, PhD. Eng. Stud. Edward Gheorghiosu, PhD. Eng. Stud. Ciprian Jitea, Eng. Sorin Bordoș, <i>INCD INSEMEX Petroșani</i></p>
<p><b>44.</b></p>	<p>Perturbations in the methane accumulation system from the mine workings after the occurrence of an explosion - Case study, coal bed 13, Livezeni Mining Unit, Petrosani-Romania -</p>	<p>THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015</p>	<p>THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015 ePROCEEDINGS ISBN 978-973-741-435-9 CD</p>	<p>PhD. Eng. Stud. Cristian Tomescu, PhD. Eng. Constantin Lupu, PhD. Eng. Doru Cioclea, Eng. Ion Gherghe, PhD. Eng. Stud. Florin Rădoi, Eng. Emeric Chiuzan, PhD. Eng. Vlad Păsculescu, <i>INCD INSEMEX Petroșani</i></p>
<p><b>45.</b></p>	<p>Influence of the natural draft's depression upon mining ventilation networks</p>	<p>THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015</p>	<p>THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015 ePROCEEDINGS ISBN 978-973-741-435-9 CD</p>	<p>Eng. Gherghe Ion, PhD. Eng. Lupu Constantin, PhD. Eng. Cioclea Doru, PhD. Eng. Stud. Tomescu Cristian, Eng. Chiuzan Emeric, PhD. Eng. Stud. Rădoi Florin, PhD. Eng. Stud. Morar Marius, PhD. Eng. Păsculescu Vlad, <i>INCD INSEMEX Petroșani</i></p>



## INSEMEX PETROȘANI

46.	Updating the ventilation network of Petrila mining unit subject to closure	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015 ePROCEEDINGS ISBN 978-973-741-435-9 CD	PhD. Eng. Stud. Rădoi Florin, PhD. Eng. Lupu Constantin, PhD. Eng. Cioclea Doru, Eng. Gherghe Ion, PhD. Eng. Stud. Tomescu Cristian, Eng. Chiuzan Emeric, PhD. Eng. Stud. Morar Marius, PhD. Eng. Păsculescu Vlad, <i>INCD INSEMEX Petroșani</i>
47.	Technical aspects regarding spontaneous combustions monitoring	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015 ePROCEEDINGS ISBN 978-973-741-435-9 CD	Eng. Chiuzan Emeric, PhD. Eng. Lupu Constantin, PhD. Eng. Cioclea Doru, Eng. Gherghe Ion , PhD. Eng. Stud. Tomescu Cristian , PhD. Eng. Stud. Rădoi Florin, Eng. Boantă Corneliu, PhD. Eng. Păsculescu Vlad, <i>INCD INSEMEX Petroșani</i>
48.	Methodology for establishing the underground mining work environment after the occurrence of an explosion	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015	THE SIXTH BALKAN MINING CONGRESS Petrosani, Romania 20-23.09.2015 ePROCEEDINGS ISBN 978-973-741-435-9 CD	PhD. Eng. Doru Cioclea, PhD. Eng. Constantin Lupu, Eng. Ion Gherghe, PhD. Eng. Stud. Florin Rădoi, Eng. Emeric Chiuzan, PhD. Eng. Stud. Cristian Tomescu, PhD. Eng. Vlad Păsculescu,



## INSEMEX PETROȘANI

				<i>INCD INSEMEX Petroșani</i>
<b>49.</b>	Analysis of environmental components by monitoring gas concentrations in the environment	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Angelica Călămar, PhD. Eng. George A. Găman, PhD. Eng. Daniel Pupăzan, PhD. Eng. Marius Kovacs, PhD. Eng. Lorand Toth, <i>INCD INSEMEX Petroșani</i>
<b>50.</b>	Study on organizing and training rescuers for providing first aid in case of intervention and rescue in toxic / explosive / flammable environments	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. George A. Găman, <i>INCD INSEMEX Petroșani</i> Radu Berca , <i>SARS București</i> PhD. Eng. Daniel Pupăzan, PhD. Eng. Cosmin Ilie , PhD. Eng. Angelica Călămar , PhD. Eng. Stud. Alin Irimia , PhD. Eng. Stud. Andrei Gireadă, <i>INCD INSEMEX Petroșani</i>
<b>51.</b>	Study on the rescuers behaviour exposed to high temperature and humidity in the INCD INSEMEX Petroșani training facility	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Stud. Cosmin Ilie , PhD. Eng. George A. Găman , PhD. Eng. Daniel Pupăzan , PhD. Eng. Angelica Călămar , PhD. Eng. Stud. Alin Irimia , PhD. Eng. Stud. Andrei Gireadă, <i>INCD INSEMEX Petroșani</i>
<b>52.</b>	Research on design ing a facility for rescuer's testing and training in confined spaces	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the	PhD. Eng. Daniel Pupăzan, PhD. Eng. George A. Găman, PhD. Eng. Stud. Cosmin Ilie,



## INSEMEX PETROȘANI

			Symposium ISSN 1843-6226	PhD. Eng. Angelica Călămar, PhD. Eng. Stud. Alin Irimia, PhD. Eng. Stud. Andrei Gireadă, <i>INCD INSEMEX Petroșani</i>
53.	Optimization of industrial wastewater treatment using the gradient method by trifactorial experimental research	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Lorand Toth, PhD. Eng. George A. Găman, PhD. Eng. Angelica Călămar, PhD. Eng. Marius Kovacs, PhD. Eng. Daniel Pupăzan, <i>INCD INSEMEX Petroșani</i>
54.	Worker's exposure to noise in surface mining industry	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Simion Sorin, PhD. Eng. Daniel Pupăzan, PhD. Eng. Marius Kovacs, PhD. Eng. Lorand Toth, <i>INCD INSEMEX Petroșani</i>
55.	Researches regarding determination of the electrical parameters for safe and reliable initiation of the electrical detonators	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Leonard Lupu, PhD. Eng. Adrian Jurca, PhD. Eng. Emilian Ghicioi, <i>INCD INSEMEX Petroșani</i>
56.	Considerations on the estimation of the spark test apparatus sensitivity	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Marius Darie , PhD. Eng. Sorin Burian , PhD. Eng. Jeana Ionescu , PhD. Eng. Tiberiu Csaszar , PhD. Eng. Lucian Moldovan , PhD. Eng. Cosmin Colda , <i>INCD INSEMEX Petroșani</i> Clementina Sabina Moldovan ,



## INSEMEX PETROȘANI

				<i>Universitatea din Petroșani</i> Eng. Adriana Andriș, <i>INCD INSEMEX Petroșani</i>
<b>57.</b>	Considerations regarding the test gas concentration resolution in the tests performed on pressurized enclosures	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Jeana Ionescu , PhD. Eng. Sorin Burian , PhD. Eng. Marius Darie , PhD. Eng. Tiberiu Csaszar , PhD. Eng. Lucian Moldovan , PhD. Eng. Cosmin Colda , <i>INCD INSEMEX Petroșani</i> Clementina Sabina Moldovan , <i>Universitatea din Petroșani</i> Eng. Adriana Andriș, <i>INCD INSEMEX Petroșani</i>
<b>58.</b>	Particularities regarding the determination of maximum surface temperature of explosionproof luminaires with type of protection flameproof enclosure "d" and increased safety "e"	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Lucian Moldovan , PhD. Eng. Sorin Burian , PhD. Eng. Mihai Magyari , PhD. Eng. Martin Friedmann , PhD. Eng. Stud. Dragoș Fotău , PhD. Eng. Stud. Marcel Rad, <i>INCD INSEMEX Petroșani</i>
<b>59.</b>	Determination of the flameproof performances during verifications and type tests of flameproof "d" electric motors in normal operation	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Mihai Magyari , PhD. Eng. Sorin Burian , PhD. Eng. Lucian Moldovan , PhD. Eng. Stud. Dragoș Fotău , PhD. Eng. Cosmin Colda, <i>INCD INSEMEX Petroșani</i>



## INSEMEX PETROȘANI

60.	Underground environment optimization by improving the management of ventilation networks	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Stud. Morar Marius , Radu Sorin , <i>Universitatea din Petroșani</i> PhD. Eng. Lupu Constantin , PhD. Eng. Cioclea Doru , Eng. Gherghe Ion, <i>INCD INSEMEX Petroșani</i>
61.	Prevention of accidental pollution with the combustion gases after the occurrence of explosions of air - gas by knowing of velocities for the front of flames and pressure waves	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Emilian Ghicioi , PhD. Eng. George A. Găman , Eng. Dan Gabor , PhD. Eng. Stud. Nicolae Vlasin , PhD. Chem. Stud. Maria Prodan , PhD. Eng. Vlad Pasculescu , PhD. Eng. Dragoș Vasilescu, <i>INCD INSEMEX Petroșani</i>
62.	Determination of „accuracy of delay” components of non-electric initiation systems, used sequential detonation of explosives	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Stud. Edward Gheorghiosu , PhD. Eng. George A. Găman , PhD. Eng. Emilian Ghicioi , PhD. Eng. Attila Kovacs , PhD. Eng. Gabriel Vasilescu, <i>INCD INSEMEX Petroșani</i>
63.	Implementation of a harmonized modular system for unique identification and traceability of civil use explosives	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Gabriel Vasilescu, PhD. Eng. George A. Găman, PhD. Eng. Emilian Ghicioi, PhD. Eng. Stud. Ciprian Jitea, PhD. Eng. Daniela Rus,



## INSEMEX PETROȘANI

				PhD. Eng. Attila Kovacs, <i>INCD INSEMEX Petroșani</i>
64.	Specialized informatical application for assure the trasability of the sampling activity in the field of civil use explosives and pyrotechnic articles	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Daniela Rus, PhD. Eng. George A. Gaman, PhD. Eng. Gabriel Vasilescu, PhD. Eng. Emilian Ghicioi, PhD. Eng. Attila Kovacs, PhD. Eng. Stud. Marius Șuvar, <i>INCD INSEMEX Petroșani</i>
65.	Assessment of the influence of the firedump area against the security of civil use explosives certified for use in underground in flammable and/or explosive atmosphere	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Attila Kovacs, PhD. Eng. Gabriel Vasilescu , PhD. Eng. Emilian Ghicioi , PhD. Eng. Stud. Gheorghiosu Edward , PhD. Eng. Daniela Rus , PhD. Eng. Stud. Ciprian Jitea , Eng. Ilici Ștefan, <i>INCD INSEMEX Petroșani</i>
66.	Underground environment improvement by assessing the efficiency of ventilation networks	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Doru Cioclea , Eng. Ion Gherghe, PhD. Eng. Stud. Florin Rădoi, PhD. Eng. Stud. Cristian Tomescu, Eng. Corneliu Boantă, PhD. Eng. Stud. Marius Morar, PhD. Eng. Vlad Păsculescu, <i>INCD INSEMEX Petroșani</i>



## INSEMEX PETROȘANI

67.	Comparative study of the heavy metals pollution degree reduction using zeolites and monitoring of the mining polluted areas	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Chem. Stud. Szollosi-Moța Andrei, PhD. Eng. Lupu Constantin, PhD. Chem. Stud. Prodan Maria, PhD. Eng. Ghicioi Emilian, PhD. Eng. Stud. Tomescu Cristian, <i>INCD INSEMEX Petroșani</i> Moldovan Clementina, <i>Universitatea din Petroșani</i>
68.	Work environment monitoring using thermal imaging cameras in order to prevent the self-ignition of coal	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Stud. Cristian Tomescu, PhD. Eng. Constantin Lupu, PhD. Eng. Doru Cioclea, Eng. Emeric Chiuзан, Eng. Ion Gherghe, <i>INCD INSEMEX Petroșani</i>
69.	Microelements influence on coal oxidation/self oxidation and the implications on the environmental pollution	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Chem. Stud. Maria Prodan, PhD. Eng. Constantin Lupu, PhD. Eng. Emilian Ghicioi, PhD. Eng. Chem. Stud. Nălboc Irina, PhD. Chem. Stud. Szollosi Andrei, <i>INCD INSEMEX Petroșani</i> Cornel Munteanu,



## INSEMEX PETROȘANI

				<p><i>Institutul De Chimie Fizică Ilie Murgulescu</i>  PhD. Eng. Stud. Cristian Tomescu,  <i>INCD INSEMEX Petroșani</i>  Clementina Moldovan,  <i>Universitatea din Petroșani</i></p>
70.	Work environment optimization by establishing the natural draft's influence upon mine ventilation networks	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	Eng. Ion Gherghe, PhD. Eng. Doru Cioclea , PhD. Eng. Stud. Cristian Tomescu , Eng. Emeric Chiuзан, PhD. Eng. Stud. Florin Rădoi , PhD. Eng. Vlad Păsculescu , PhD. Eng. Stud. Marius Morar, <i>INCD INSEMEX Petroșani</i>
71.	European and North -American approaches for classification of hazardous ex areas generated by flammable gases/vapours/liquids	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Vlad Păsculescu, PhD. Eng. Stud. Nicolae Vlasin, PhD. Eng. Stud. Marius Șuvar, PhD. Eng. George A. Găman, PhD. Eng. Constantin Lupu, PhD. Eng. Emilian Ghicioi, <i>INCD INSEMEX Petroșani</i>
72.	Study on the possibilities for restoring a mine ventilation network affected by an explosion	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Stud. Marius Șuvar, PhD. Eng. Doru Cioclea, PhD. Eng. Stud. Nicolae Vlasin, PhD. Eng. Constantin Lupu, PhD. Eng. Vlad Păsculescu,



## INSEMEX PETROȘANI

				INCD INSEMEX Petroșani Victor Arad, Susana Arad, <i>Universitatea din Petroșani</i>
73.	Multiple and moving reference frames in computational simulations	International Symposium on Occupational Health and Safety - SESAM 2015	Occupational Health and Safety - SESAM 2015 - Proceedings of the Symposium ISSN 1843-6226	PhD. Eng. Stud. Nicolae Vlasin, <i>INCD INSEMEX Petroșani</i> Eugen Cozma, <i>Universitatea din Petroșani</i> PhD. Eng. Emilian Ghicioi, PhD. Eng. Stud. Marius Șuvar, PhD. Eng. Vlad Păsculescu, <i>INCD INSEMEX Petroșani</i>
74.	Aspects regarding the certification compliance of the conveyor belts with the directive ATEX 94/9/EC requirements	INTERNATIONAL SCIENTIFIC CONFERENCE UMG "ST. IVAN RILSKI" 20 October 2015, Sofia, Bulgaria	Annual of the University of Mining and Geology "St. Ivan Rilski", volume 58	PhD. Eng. Florin Adrian Păun, PhD. Eng. Mihaela Părăian, PhD. Eng. Niculina Vătavu, PhD. Eng. Adrian Jurca, PhD. Eng. Leonard Lupu, <i>INCD INSEMEX Petroșani</i>
75.	Computational methods for ventilation networks management	INTERNATIONAL SCIENTIFIC CONFERENCE UMG "ST. IVAN RILSKI" 20 October 2015, Sofia, Bulgaria	Annual of the University of Mining and Geology "St. Ivan Rilski", volume 58	PhD. Eng. Doru Cioclea, PhD. Eng. Constantin Lupu, Eng. Ion Gherghe, PhD. Eng. Stud. Florin Rădoi, PhD. Eng. Vlad M. Păsculescu, <i>INCD INSEMEX Petroșani</i>
76.	Study on negative effects on the environment due to air pollution with SO <sub>2</sub>	INTERNATIONAL SCIENTIFIC CONFERENCE UMG "ST. IVAN RILSKI" 20 October 2015, Sofia, Bulgaria	Annual of the University of Mining and Geology "St. Ivan Rilski", volume 58	PhD. Eng. Toth Lorand, PhD. Eng. George A. Găman, PhD. Eng. Angela Călămar, PhD. Eng. Kovacs Marius,



## INSEMEX PETROȘANI

				PhD. Eng. Simion Sorin, <i>INCD INSEMEX Petroșani</i>
77.	Innovative technology for determination of blade cut resistance of protective gloves	The International Conference TexTeh VII "CREATING THE FUTURE OF TEXTILES" October 22 - 23, 2015, Bucharest, Romania	The International Conference TexTeh VII "CREATING THE FUTURE OF TEXTILES" Proceedings Vol. 7 ISSN 2068-9101 October 22 - 23, 2015, in Bucharest, Romania:	PhD. Eng. Florin A. Păun, PhD. Eng. Mihaela Părăian, PhD. Eng. Adrian M. Jurca, PhD. Eng. Niculina Vătavu, Eng. Gabor Dan, <i>INCD INSEMEX Petroșani</i>
78.	Methods of measurement of the gas concentrations used in environmental quality assessment	International Symposium ISB - INMA TEH' 2015 Agricultura land Mechanical Engineering 30.10 - 01.11 Bucuresti	International Symposium ISB - INMA TEH' 2015 Agricultura land Mechanical Engineering ISSN(CD) 2344-4126	PhD. Eng. Călămar Angelica, PhD. Eng. Găman George Artur, PhD. Eng. Pupăzan Daniel, PhD. Eng. Toth Lorand, <i>INCD INSEMEX Petroșani</i>
79.	The importance of monitoring jobs at coal mines in the Jiu Valley - case study	X International Symposium on Recycling Technologies and Sustainable Development 4-7 November 2015, Hotel "ALBO" Bor, Serbia	X International Symposium on RECYCLING TECHNOLOGIES AND SUSTAINABLE DEVELOPMENT PROCEEDINGS ISBN 978-86-6305-037-2	Eng. Matei Adrian , PhD. Eng. Lupu Constantin, PhD. Eng. Stud. Morar Marius, PhD. Eng. Stud. Tomescu Cristian PhD. Eng. Stud. Rădoi Florin Eng. Chiuzan Emeric, <i>INCD INSEMEX Petroșani</i>
80.	Optimal management of the ventilation system – basis for sustainable hard coal production	X International Symposium on Recycling Technologies and Sustainable Development 4-7 November 2015, Hotel "ALBO" Bor, Serbia	X International Symposium on RECYCLING TECHNOLOGIES AND SUSTAINABLE	PhD. Eng. Stud. Florin Rădoi PhD. Eng. Constantin Lupu Eng. Ion Gherghe Eng. Corneliu Boantă Eng. Emeric Chiuzan



## INSEMEX PETROȘANI

			DEVELOPMENT PROCEEDINGS ISBN 978-86-6305-037-2	Eng. Cristian Tomescu Eng. Nicolae Ianc, <i>INCD INSEMEX Petroșani</i>
<b>81.</b>	Assessment of pollution generated by detonation of explosives for civil uses	Al XVII-lea Simpozion ACMV Tinerii si cercetarea multidisciplinara 12-13 Noiembrie Timișoara	Lucrările celui de al XVII-lea Simpozion "Tinerii și cercetarea multidisciplinară" ISSN 1843-6609	PhD. Eng. Stud. Ciprian Jitea, Eng. Sefan Ilici , PhD. Eng. Gabriel Vasilescu, PhD. Eng. Stud. Edward Gheorghiosu, PhD. Eng. Daniela Rus, PhD. Eng. Attila Kovacs, Eng. Sorin Bordoș, <i>INCD INSEMEX Petroșani</i>
<b>82.</b>	The study of the rapid decomposition of ammonium nitrate through thermal analysis in order to increase the safe storage, transport and use	Al XVII-lea Simpozion ACMV Tinerii si cercetarea multidisciplinara 12-13 Noiembrie Timișoara	Lucrările celui de al XVII-lea Simpozion "Tinerii și cercetarea multidisciplinară" ISSN 1843-6609	PhD. Chem. Stud. Szollosi - Moța Andrei, PhD. Chem. Stud. Prodan Maria, PhD. Eng. Lupu Constantin, PhD. Ing. Chem. Stud. Nălboc Irina, PhD. Eng. Ghicioi Emilian, <i>INCD INSEMEX Petroșani</i>
<b>83.</b>	Technical issues related to the new requirements contained in european standards related to EX i equipment tests .	Al XVII-lea Simpozion ACMV Tinerii si cercetarea multidisciplinara 12-13 Noiembrie Timișoara	Lucrările celui de al XVII-lea Simpozion "Tinerii și cercetarea multidisciplinară" ISSN 1843-6609	PhD. Eng. Colda Cosmin , PhD. Eng. Burian Sorin , PhD. Eng. Ionescu Jeana , PhD. Eng. Darie Marius , PhD. Eng. Csaszar Tiberiu, PhD. Eng. Magyari Mihai, <i>INCD INSEMEX Petroșani</i>



## INSEMEX PETROȘANI

<b>84.</b>	Health and safety security essential requirements regarding on construction of items aimed to limit the effects of explosion	Al XVII-lea Simpozion ACMV Tinerii si cercetarea multidisciplinara 12-13 Noiembrie Timișoara	Lucrările celui de al XVII-lea Simpozion "Tinerii și cercetarea multidisciplinară" ISSN 1843-6609	PhD. Eng. Stud. Andrei Gireadă, PhD. Eng. George A. Găman, PhD. Eng. Daniel Pupăzan, PhD. Eng. Cosmin Ilie, PhD. Eng. Stud. Alin Irimia, PhD. Eng. Sorin Burian, <i>INCD INSEMEX Petroșani</i>
<b>85.</b>	Researches regarding the development methods for determining the surface temperatures of the non-electrical equipment in order to prevent and explosion protection	Al XVII-lea Simpozion ACMV Tinerii si cercetarea multidisciplinara 12-13 Noiembrie Timișoara	Lucrările celui de al XVII-lea Simpozion "Tinerii și cercetarea multidisciplinară" ISSN 1843-6609	PhD. Eng. Adrian Jurca, PhD. Eng. Mihaela Părăian, PhD. Eng. Niculina Vătavu, PhD. Eng. Florin Păun, PhD. Eng. Leonard Lupu, <i>INCD INSEMEX Petroșani</i>
<b>86.</b>	Development test methods for electric detonators and pyrotechnic articles for vehicles on sensitivity to electrostatic discharges	Al XVII-lea Simpozion ACMV Tinerii si cercetarea multidisciplinara 12-13 Noiembrie Timișoara	Lucrările celui de al XVII-lea Simpozion "Tinerii și cercetarea multidisciplinară" ISSN 1843-6609	PhD. Eng. Florin Adrian Păun, PhD. Eng. Emilian Ghicioi, PhD. Eng. Mihaela Părăian, PhD. Eng. Adrian Jurca, PhD. Eng. Niculina Vătavu, <i>INCD INSEMEX Petroșani</i>