

23rd International Multidisciplinary Scientific GeoConference (SGEM 2023)

Ecology, Economics, Education and
Legislation

SGEM International Multidisciplinary Scientific GeoConference
Volume 23, Issue 5.1

Albena, Bulgaria
3 - 9 July 2023

Editors:

**Oleksandr Trofymchuk
Baiba Rivza**

ISBN: 978-1-7138-7943-5

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2023) by SGEM WORLD SCIENCE (SWS) Scholarly Society
All rights reserved.

Printed with permission by Curran Associates, Inc. (2023)

For permission requests, please contact SGEM WORLD SCIENCE (SWS) Scholarly Society
at the address below.

SGEM WORLD SCIENCE (SWS) Scholarly Society
10/11 Gerlgasse
Vienna 1030, Austria

Phone: +359 2 405 18 41

Fax: +359 2 405 18 65

sgem@sgem.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

CONFERENCE PROCEEDINGS CONTENTS

ECOLOGY AND ENVIRONMENTAL PROTECTION

- 1. ADAPTATION OF THE METHODOLOGY FOR ASSESSMENT OF ECOSYSTEMS AND THEIR SERVICES WITH ALTERNATIVE DEVELOPMENT DECISIONS FOR TERRITORY DEVELOPMENT**, Prof. Dr Mag. Eng. Margarita Mondeshka, Assist. Prof. Dr Mag. Eng. Nadezhda Yarlovska.....3
- 2. ANALYSIS OF THE ELECTRICITY CONSUMPTION IN SMALL MUNICIPAL WASTEWATER TREATMENT PLANTS IN SOUTHWESTERN POLAND**, Assoc. Prof. Dr. Iwona Klosok-Bazan, Dr. Joanna Boguniewicz-Zablocka, Dr. Mirosława Gono, Dr. Anna Kuczuk, Assoc. Prof. Dr. Adam Rak 13
- 3. APPROACH TO THE TEMPERATURE AND HUMIDITY RELATIONSHIP OF THE TAILING MATERIAL ON THE BASIS OF THE PROCESSING OF DIGITAL PICTURES AND COLOR MODELS**, PhD in Engineering Pavel V. Amosov, Andrey A. Goryachev, Grand PhD in Engineering Dmitriy V. Makarov, Grand PhD in Engineering Vladimir V. Masloboev, Kirill A. Malodushev21
- 4. ASPECTS REGARDING THE RISK OF EXPLOSION IN DEDUSTING SYSTEMS**, Sc. Res. I PhD Eng. Mirela Radu, Sc. Res. I PhD Eng. Mihaela Părăian, Eng. Dan Matei, Sc. Res. I PhD Eng. Adrian Jurca, Sc. Res. I PhD Eng. Dan Gabor....31
- 5. ASSESSING MARINE LITTER AT KAMCHIYA-SHKORPILOVTSI BEACH: A COMPREHENSIVE ANALYSIS OF ABUNDANCE, DENSITY AND COMPOSITION**, Senior Assistant Dr. Radoslava Bekova.....39
- 6. ASSESSMENT OF BIOCHAR'S ABILITY TO ADSORB MOBILE GENETIC ELEMENTS INCLUDING ANTIBIOTIC RESISTANCE GENES**, Assoc. Prof. PhD. Polina Kuryntseva, Kamalya Karamova, Dr. Svetlana Selivanovskaya, Dr. Polina Galitskaya49
- 7. CADMIUM AND LEAD LEVELS IN SOIL AND BETA VULGARIS SAMPLES COLLECTED FROM A ROMANIAN POLLUTED AREA**, Prof. Dr. Eng. Simion Alda, Lecturer Dr. Eng. Liana Maria Alda, Assoc. Prof. Dr. Eng. Despina-Maria Bordean, Assoc.Prof. Dr. Eng. Mihaela Moatar, Lecturer Dr. Eng. Daniela Nicoleta Scedei57
- 8. IMPLEMENTATION OF THE CIRCULAR ECONOMY STRATEGIES IN DIFFERENT INDUSTRIAL PRODUCTION SECTORS**, Prof., Dr. sc. admin. Una Libkovska, Ress. Assist. Ivo Lemss, Mg. Inta Ozola.....65

| | |
|---|-----|
| 9. COMPARATIVE ANALYSIS OF THE WAYS OF RECYCLING GLASS CONTAINERS EFFICIENCY , Prof. DSc. Acad. Valeriy P. Meshalkin, PhD Dmitriy Kh. Mikhailidi, Prof. DSc. Acad. Valeriy S. Petrosyan, Prof. DSc. Levon A. Tavadyan, Prof. DSc. Alexander V. Malkov | 73 |
| 10. COMPERATIVE ASSESSMENT OF THROUGHFALL COMPOSITION IN BEECH ECOSYSTEMS IN WESTERN BULGARIA , Assoc. Prof. Dr. Sonya Damyanova..... | 81 |
| 11. COMPARATIVE STUDY OF EXTRACTION METHODS FOR THE DETERMINATION OF PAHS IN SOILS USING GC-MS , A. Kamalova, Prof. Dr. P. Galitskaya, A. Gordeev, A. Khamieva, Assoc. Prof Dr P. Kuryntseva | 89 |
| 12. DESIGN THINKING AND ACTION COMPETENCE: FILLING THE GAP WITH UNIVERSITY TRAINING , Dr. Mara Zeltina, Assoc. Prof. Dr. Marharyta Radomska | 97 |
| 13. ENVIRONMENT IMPACT OF ECO-ENGINEERED VERSUS CONVENTIONAL FOOTWEAR , Ph.D. eng. Mirela Pantazi-Bajenaru, Eng. Mihai Georgescu, Ph.D. eng. Laurentia Alexandrescu, Dsg. Traian Foiasi | 105 |
| 14. ENVIRONMENTAL ASSESSMENT OF COAL MINING PRACTICES IN SVALBARD: INSIGHTS FROM SOIL, VEGETATION, AND COAL ELEMENTAL ANALYSIS , Anna Abramova..... | 113 |
| 15. ENVIRONMENTAL IMPACT ASSESSMENT OF FISH AND MEAT CANNERIES , Prof. Dr. Victorita Radulescu..... | 123 |
| 16. FLORISTIC COMPOSITION AND FODDER VALUE OF SOME COMMUNAL PASTURES OF TIMIS COUNTY, ROMANIA: (A CASE STUDY) , Assoc. Prof. Dr. Durău, Carmen Claudia; Lecturer Dr. Chis, Ana Codruța; Lecturer Dr. Adalbert Okros; Lecturer Dr. Mihuț, Casiana Doina | 131 |
| 17. GREEN COMPETITIVENESS AS A BUSINESS STRATEGY , Ing. Jakub Chlopecký, Ph.D., MBA, Ing. Ondřej Grycz, Ph.D., Doc. Ing. Marian Piecha, Ph.D., Ing. Jan Pszczolka, Ing. Václav Zyder | 139 |
| 18. GREEN COMPETITIVENESS AND DIGITIZATION IN LATVIA MUNICIPALITIES , PhD candidate, Lilita Abele, Dr. habil. oec., Baiba Rivza, Dr. habil. sc. ing., Peteris Rivza, Res. Assist., Karlis Markus | 145 |
| 19. GREEN ROOFS AS URBAN ECOSYSTEMS FOR POST-INDUSTRIAL NOVEL ECOSYSTEMS' VEGETATION , Ing. Magdalena Biela, MsC., Ing. Artur Biela, MsC., BSc. Natalia Malcherczyk, Assoc. Prof. Edyta Sierka, PhD, DSc..... | 153 |

| | |
|---|-----|
| 20. IDENTIFICATION OF VOLATILE ORGANIC COMPOUNDS GROUPS IN THE AMBIENT AIR OF THE JIU VALLEY THROUGH MODERN INVESTIGATION METHODS , Dr. Eng. Lorand Toth, Dr. Eng. Angelica – Nicoleta Găman, Dr. Eng. Cristian Nicolescu, Dr. Eng. Cosmin Ilie..... | 161 |
| 21. MONITORING THE QUALITY OF GROUNDWATER SAMPLES BEFORE AND AFTER RETROFITTING A CHROME-PLATING PLANT THAT CARRIED OUT THE TRANSITION FROM CR6+ TO CR3+ , PhD. Eng. Marius Kovacs, PhD. Eng. Simion Sorin, PhD. Eng. Lorand Toth, PhD. Eng. Andrei Gireadă..... | 169 |
| 22. ON THE BULGARIAN SKAT RIVER WATERSHED RESERVOIRS CAPABILITY FOR FLOODING RESPONSE , Assoc. Prof. Dr. Mila Chilikova-Lubomirova | 177 |
| 23. OPTIMAL CONTROL OF ECOLOGICAL SYSTEMS NEAR THE EQUILIBRIUM POSITION , Prof. DSc. L. K. Babadzanjanjanz, Assoc. Prof. Dr. I. Yu. Pototskaya, Assoc. Prof. Dr. Yu. Yu. Pupysheva, Assoc. Prof. Dr. V. S. Korolev..... | 185 |
| 24. POLLUTION OF SOILS AND WATER AND THE NEGATIVE IMPACT ON THE NATURAL ENVIRONMENT AS A RESULT OF THE MINING AND PROCESSING OF MANGANESE ORES , Assoc. Prof. Dr. Besik Kalandadze, Assoc. Prof. Dr. V. Trapaidze, M.Sc. I. Kalandadze, Prof. Dr. A. Kikava, Assoc. Prof. Dr. M. Mgeladze..... | 193 |
| 25. REQUIREMENTS OF BEST AVAILABLE TECHNIQUES AS THE SUPPLY CHAIN CRITERIA FOR THE ENVIRONMENTAL AND SUSTAINABILITY ASSESSMENT OF CONSTRUCTION , Prof. Dr. Sci. Ekaterina Potapova, Prof. Dr. Sci. Tatiana Guseva, Assoc. Prof. Dr. Yana Molchanova, Assoc. Prof. Dr. Maria Vartanyan, Prof. Dr. Sci. Bahitzhan Taimasov | 199 |
| 26. RESEARCH ON ENVIRONMENTAL FACTORS AFFECTED BY ECONOMIC ACTIVITIES IN EASTERN JIU VALLEY , PhD. Eng. Angelica-Nicoleta Găman, PhD. Eng. Alexandru Simion, PhD. Eng. Marius Kovacs, PhD. Eng. Sorin Simion..... | 207 |
| 27. RESOURCE EFFICIENCY ENHANCEMENT AS A COMMON BACKGROUND FOR GREEN TAXONOMIES OF BRICS COUNTRIES , Prof. Dr. Sci. Tatiana Guseva, Dr. Svetlana Panova, Assoc. Prof. Dr. Irina Tikhonova, Ms. Arina Volosatova, Mr. Chirag Bhimani | 215 |
| 28. SELECTION OF CONDITIONS FOR CULTIVATION OF MICROALGAE-CARBON SEQUESTRATORS , Darina Glazunova, Gilmutdinova Ilsina, Dr. Polina Kuryntseva, Prof. Dr. Polina Galitskaya, Prof.Dr. Svetlana Selivanovskaya | 223 |
| 29. STRATEGIC PROJECT MANAGEMENT OF POST-MINING LANDSCAPES , Ing. Omar Ameir, Ph.D., Ing. Josef Bělíca, doc. Ing. Marian Piecha, Ph.D., Ing. Ondřej Grycz, Ph.D., Ing. Jan Pszczolka | 231 |

- 30. STUDIES ON CLIMATE IMPACTS AND RISKS IN ROMANIA**, Lecturer Dr. Camelia Mănescu, Prof. Dr. Nicoleta Mateoc-Sîrb, Assistant Dr. Oana Sicoe-Murg, Ress. Assist. Alina Mănescu, Ress. Assist. Hunor Vass239
- 31. THE 3D GRAPHIC DESIGN OF THE DRILLING AND BLASTING WORKS IN THE ROSIA POIENI OPEN PIT**, Assist. Prof. Dr. Eng. Dorel Gusat, Prof. Dr. Eng. Ioan Bud247
- 32. THE APPROACH OF THE CZECH REPUBLIC AND SELECTED COUNTRIES TO SOLVING THE PROBLEM OF THE INTERACTION OF FIRE SPRINKLER SYSTEM AND SMOKE AND HEAT EXHAUST VENTILATION SYSTEMS**, Ing. Alexandra Kardosova, Ing. Katerina Kubricka, doc. Ing. Jiri Pokorny, Ph.D., MPA, doc. Ing. Lenka Brumarova, Ph.D.255
- 33. THE IMPACT ON LANDSCAPE FRAGMENTATION INDUCED BY THE ESTABLISHMENT OF NATURA 2000 NETWORK IN ROMANIA**, Assoc. Prof. Dr. Mihaita Iulian Niculae, Assoc. Prof. Dr. Gabriel Ovidiu Vanau, PhD Viorica Iulia Miu, PhD Lavinia Corina Pindaru, PhD Cristiana Maria Pioarca- Ciocanea.....263
- 34. THE INFLUENCE OF CLIMATIC CONDITIONS ON THE DEVELOPMENT OF THE JUGLANS REGIA L. IN THE SPRING MONTHS IN SLOVAKIA**, Dr. Vladimír Kišš, Prof. Dr. Viliam Bárek, Ing. Oliver Obročník.....271
- 35. THE SAFETY CULTURE AWARD - A WAY TO ENCOURAGE CULTURAL CHANGE FOR A SAFER ENVIRONMENT**, Ivana Slovackova277
- 36. TOXIC POTENTIAL OF ANABAENOPSIS ELENKINII (CYANOBACTERIA) ISOLATED FROM A BLOOM IN LAKE VAYA (BULGARIA)**, Assoc. Prof. Dr. Ivanka Teneva, Dr. Dzhemal Moten, Assoc. Prof. Dr. Detelina Belkinova, Dr. Tsvetelina Mladenova, Prof. Dr. Balik Dzhambazov287
- 37. USE OF ECOSYSTEM SERVICE ASSESSMENTS FOR SUSTAINABLE SPATIAL PLANNING PURPOSES**, Chief Asst. Prof. PhD Mag. Eng. Nadezhda Yarlovska, Prof. PhD Mag. Eng. Margarita Mondeshka.....295
- 38. VALORIZATION OF CITRUS FRUIT PROCESSING WASTE**, Nazi Davitadze, Irina Bejanidze303
- 39. WASTEWATER REUSE AND RECYCLING STRATEGIC MANAGEMENT**, Ing. Václav Zyder, Ing. Jaroslav Hubáček, Ph.D., Ing. Omar Ameir, Ph.D., Doc. Ing. Marian Piecha, Ph.D.....311

ENVIRONMENTAL ECONOMICS

| | |
|---|-----|
| 40. ANALYSIS OF COMPANY DEMAND ON SUSTAINABILITY COMPETENCES , Assoc. Prof. Dr. Eleonora Stancheva-Todorova, Maria Nikolova, Res. Assist..... | 321 |
| 41. ANALYSIS OF EXPENDITURE PERFORMED FOR ENVIRONMENTAL PROTECTION AND THEIR INFLUENCE ON ENVIRONMENTAL QUALITY IN ROMANIA , PhD Assoc. Prof. Elena Claudia Sirbulescu, PhD Lecturer Cosmina-Simona Toader, PhD Lecturer Ana-Mariana Dincu, PhD Assoc. Prof. Manuela-Dora Orboi, PhD Prof. Luminița Pîrvulescu | 329 |
| 42. ASSESSMENT OF KNOWLEDGE AND HABITS FOR PLANNING DEMATERIALIZATION OF MUNICIPALITIES , PhD candidate, Lilita Abele, Dr. oec., Elita Jermolajeva, PhD, Linda Alksne | 337 |
| 43. COOPERATION SKILL EVALUATION IN SPA AND WELLNESS SECTOR FOR SUSTAINABLE ENTERPRISE DEVELOPMENT , MBA Kristine Berzina..... | 345 |
| 44. CREATIVITY AS A TOOL FOR REGIONAL ECOLOGICAL AND ENVIRONMENTAL ECONOMIC DEVELOPMENT , Res. Assist. Karlis Markus, Prof. Dr. Baiba Rivza, PhD candidate Lilita Abele..... | 353 |
| 45. DEMOGRAPHIC SCENARIOS FOR THE DEVELOPMENT OF RURAL AREAS IN BULGARIA AND FORECAST EXPECTATIONS FOR THE NUMBER OF THE POPULATION FOR THE PERIOD 2023-2027 , Assis. Prof. Dr. Rositza Mikova | 361 |
| 46. ENVIRONMENTAL, ECONOMIC, AND SOCIAL BENEFITS OF CULTIVATING THE OYSTER MUSHROOM PLEUROTUS OSTREATUS (JACQ.,) P. KUMM. IN A COMMUNITY ORGANIZATION IN SOUTHWEST UGANDA , Assoc. Prof. Martin Pavlik, Ph.D., Marek Dzurenko, Ph.D., Allen Kiiza, James Akanyijuka, Ph.D., Peace Byandusya | 369 |
| 47. DETERMINATION OF THE POTENTIAL FOR THE PRODUCTION OF RESIDUAL BIOMASS FROM WHEAT AND SUNFLOWER IN BULGARIA , Assis. Prof. Dr. Rositza Mikova..... | 379 |
| 48. GEOPARKS AND CULTURAL DEVELOPMENT , Denis Vasiliev, Lennart Bornmalm, Richard Hazlett, Rodney Stevens | 387 |
| 49. INDUSTRIAL PARKS IN LATVIA , Assist. prof. Dr.oec. Liga Jankova, Assist. prof. Dr.sc.admin. Antra Line, Assoc. prof. Dr.oec. Anita Auzina..... | 395 |
| 50. IT DEVELOPMENTS AND THE MANNER IN WHICH PUBLIC SECTOR ORGANIZATIONS FUNCTION , Andreea Grecu..... | 403 |

| | |
|---|-----|
| 51. NATURAL RESOURCE SIGNIFICANCE IN RURAL DEVELOPMENT TRENDS IN LATVIA: THE FIVE-YEAR PERSPECTIVE , Assist. Prof. Dr. Zane Vitolina..... | 411 |
| 52. OPPORTUNITIES FOR LOCAL GOVERNMENTS TO FOSTER THE DEVELOPMENT OF BIOECONOMY INDUSTRIES IN LATVIA , Prof. Irina Pilvere, Dr. Ilze Upite, Dr. Aleksejs Nipers | 421 |
| 53. OVERCOMING BARRIERS TO THE IMPLEMENTATION OF BUILDING INFORMATION MANAGEMENT (BIM) IN THE CONSTRUCTION COMPANY WITH RESPECT TO THE RISKS , Karel Kubečka, Vladimír Nývlt..... | 431 |
| 54. OVERVIEW OF THE CURRENT SITUATION ON DEGRADED AREA MANAGEMENT IN LATVIA , Mg.proj.gmt. Mairita Kalnina, Prof. dr.oec. Modrite Pelse..... | 439 |
| 55. STRATEGIC MANAGEMENT COMBINED WITH BEHAVIORAL MANAGEMENT , Ing. Omar Ameir, Ph.D. , Doc. Ing. Adam Pawliczek, Ph.D., Ing. Štefan Kolumber, Ph.D., Ing. Josef Bělíca, Ing. Petr Očko, Ph.D. | 447 |
| 56. STRATEGIC PROSPECTS FOR GREEN TECHNOLOGY COMPANIES: A CASE STUDY IN LATVIA , Prof. Dr. Anita Auzina, Lect. MBA Eliza Liga Lamberga | 455 |
| 57. STRATEGY FOR RETAINING GRADUATES AND ITS IMPACT ON THE REGION SUSTAINABLE DEVELOPMENT , Assist. Prof. Dr. sc. administr. Liene Resele, Prof. Dr. sc. administr. Una Libkovska, Mg. Indra Kristiana Balode | 461 |
| 58. THE DIGITAL INEQUALITY IN THE LIGHT OF THE SUSTAINABLE DEVELOPMENT GOALS: CASE OF THE COVID-19 PANDEMIC , Assoc. Prof. Dr. Ruslan Sadyrtdinov, Ass. Prof. Ekaterina Eremeeva, Assoc. Prof. Dr. Julia Varlamova | 469 |
| 59. THE EFFICIENCY OF ENERGY CONSUMPTION ON DAIRY FARMS IN THE BALTIC STATES , Leading Researcher, Head of Department Dr. oec. Valda Bratka, Researcher Dr. oec. Artūrs Prauliņš..... | 477 |
| 60. THE LIBERALIZATION PROCESS OF THE ENERGY SECTOR OF ROMANIA , Drd. Ruxandra-Madalina Popp, Drd. Stelian Grasu, Assoc. Prof. Dr. Mihail Busu | 485 |
| 61. THE NEXUS BETWEEN ENVIRONMENTAL QUALITY, ECONOMIC INEQUALITY AND DIGITAL INCLUSION , Assoc. Prof. Dr. J. Varlamova, Assoc. Prof. Dr. R. Sadyrtdinov | 493 |

EDUCATION AND ACCREDITATION

- 62. CURRENT METHODS AND TOOLS FOR TEACHING THE GEOGRAPHY OF INDUSTRIES (ON THE EXAMPLE OF THE FUEL AND ENERGY COMPLEX)**, Assoc. Prof. Dr. Svetlana R. Khusnutdinova, Assistant Lecturer Denis I. Kasimov, Assoc. Prof. Rustem R. Khusnutdinov, Senior Lecturer Marat R. Valiev503
- 63. DEVELOPMENT OF INTELLECTUAL ABILITIES OF STUDENTS IN THE PROCESS OF APPLICATION OF GEOINFORMATION TECHNOLOGIES**, Svetlana Beketova, Albina Khayaleeva, Ruslan Ulengov, Svetlana Gubeeva, Elena Kubyshkina.....511
- 64. MAPPING OF STUDENTS' FIELD RESEARCH BY MEANS OF WEB TECHNOLOGIES**, Ruslan Ulengov, Mariya Chernisheva, Rinat Mingaliev, Ildar Urazmetov, Xolov Yoqub521
- 65. SCIENCE PARKS AS AN INNOVATIVE STRUCTURE OF MODERN EDUCATIONAL SPACE**, Professor, DS Oleksandr Beidyk, Associate professor, PhD Iryna Donetc, Associate professor, PhD Iryna Arsenenko, Associate professor, PhD Larysa Donchenko, Associate professor, PhD Alla Krylova529
- 66. SOCIOPSYCHOLOGICAL ASPECT OF ENVIRONMENTAL EDUCATION AT UNIVERSITIES OF UKRAINE SOIL**, Assoc. Prof., PhD Marina Skladanovska, Assoc. Prof., PhD Iryna Plaksienko, Assoc. Prof., PhD Sergey Filonenko, Assoc. Prof., PhD Pavel Riabik, Assoc. Prof., PhD Tatyana Hrydnieva537

ENVIRONMENTAL LEGISLATION, MULTILATERAL RELATIONS AND FUNDING OPPORTUNITIES

- 67. COMPARISON OF THE ENERGY PERFORMANCE OF BUILDINGS BASED ON MONTHLY AND HOURLY STEPS OF CALCULATION**, Ing. Dagmar Richtrová, Doc. Ing. Lenka Prokopová, PhD.547
- 68. DEVELOPMENT OF RESEARCH ON BIOECONOMY INDUSTRIES IN LATVIA**, Prof. Irina Pilvere, Dr. Ilze Upite, Dr. Aleksejs Nipers, Dr. Aija Pilvere....555
- 69. ENVIRONMENTALLY CONDITIONED CONFLICTS AND THE EMERGENCE OF DYSFUNCTIONAL STATES**, Assoc. Prof. Dr. Vladimír Čech, Prof. Dr. Robert Ištók565
- 70. ESTIMATION OF LAND ASSET AND ECOSYSTEM VALUES IN BROWNFIELDS: SUSTAINABLE VALUATION METHODOLOGICAL APPROACH**, Dr. Juris Burlakovs, Dr. Zane Vincevica-Gaile, Maija Fonteina-Kazeka, Elina Paula Puzule, Kamila Morozova.....571

| | |
|---|-----|
| 71. INTERNATIONAL LEGAL REGULATION OF ENVIRONMENTAL PROTECTION DURING ARMED CONFLICT AND THE POSSIBILITY OF ITS APPLICATION IN UKRAINE , Assoc. Prof. PhD. Liudmyla Golovko, Prof. Doctor of Juridical Sciences Olena Gulac, Doctor of Philosophy (D.Sc.), Professor Roman Oleksenko | 579 |
| 72. OPPORTUNITIES FOR FINANCING THE DEVELOPMENT OF LAGGING REGIONS IN THE CONTEXT OF LANDSCAPE VALORIZATION , Assoc. Prof. Dr. Metodi Ivanov | 587 |
| 73. SAFETY AND SECURITY PLANNING AND DISASTER MANAGEMENT IN CASE OF AN EARTHQUAKE IN BULGARIA , Assoc. Prof. Dr. Petya Trifonova, Assoc. Prof. Dr. Metodi Metodiev, Prof. DSc. Dimcho Solakov, Assoc. Prof. Dr. Stela Simeonova | 595 |
| 74. THE AUDITOR'S ROLE IN CORPORATE SUSTAINABILITY REPORTING , Res. Assist. Angelica Buboï (Dănăilă) | 605 |
| 75. THEORETICAL MODEL FOR EVALUATING THE VIBRATIONAL OUTPUT AND THUS THE URBAN ENVIRONMENTAL IMPACT OF A PUBLIC TRANSIT RAILWAY TRACK , Prof. Dr. Eng. Stoyo Todorov, Asist. Prof. Dr. Eng. Kina Kutsarova-Dimitorova, Dr. Eng. Matey Iliev | 615 |