

CONFERENCE PROCEEDINGS CONTENTS

SECTION ADVANCES IN BIOTECHNOLOGY

1. AN IN VITRO STUDY: CITRUS LEMON ESSENTIAL OIL AS AN ALTERNATIVE TREATMENT AGAINST MICROBIAL INFECTIONS, Assoc. Prof. Dr. Iuliana Popescu, Assoc. Prof. Dr. Diana Monica Obistioiu, Assis. Prof. Dr. Anca Hulea, PhD Doris Floares, Prof. PhD. Isidora Radulov	3
2. ANALYSIS OF VEGETATION COVERAGE OF GRASSLANDS BASED ON NDVI VALUES. CASE STUDY: POIANA RUSCA MOUNTAINS, Assist. Dr. Loredana Copacean, Prof. Dr. Cosmin Popescu, Dr. Luminita Livia Barliba, Assist. Dr. Mihai Simon, Prof. Dr. Luminita Cojocariu.....	9
3. ANALYZING THE GROWTH PATTERNS OF STERLET (ACIPENSER RUTHENUS) VS. HYBRID STURGEON (A. RUTHENUS, FEMALE X A. GUELLENSTAEDTII, MALE) FINGERLINGS REARED WITHIN A RECIRCULATING AQUACULTURE SYSTEM, Prof. Dr. Adrian Grozea, Eng. Sorin Furdean, Dr. Dacian Lalescu, Prof. Dr. Ioana Grozea, Prof. Dr. Silvia Patruica	17
4. APPROACHING THE PHYTHOPHTORA INFESTANS PATHOGEN IN POTATO CULTURE BY BIOLOGICAL MEANS, Assoc. Prof. Dr. Carabet Alin, Prof. Dr. Dan Manea, Bogdan Gheorghescu, Prof. Dr. Ioana Grozea, Assoc. Prof. Dr. Ramona Stef	25
5. ASSESSMENT OF CHEMICAL AND NUTRITIONAL QUALITY OF RAPESEED MEAL INTENDED FOR MONOGASTRIC LIVESTOCK FEEDING, Assoc. Prof. Dr. Ionela Hotea, Catalin Sirbu, Ana Maria Plotuna, Emil Tirziu, Isidora Radulov.....	33
6. BEHAVIOUR OF ANIMAL-ORIGIN GELATINS TO ARTIFICIAL AGEING IN THE PROCESS OF RESTORING GILDED WOOD, Lucretia Miu, Cristina Carșote, Emanuel Văcălie, Mihaela Niculescu, Nicolae Catrina, Marcel Ionescu	41
7. BIOACTIVE COMPOUNDS FROM HORSERADISH FOR BIOTECHNOLOGICAL APPLICATIONS, Magdalena Rosu, Assoc. Prof. Dr. Monica Dragomirescu	49
8. CHARACTERISATION OF GENETIC DIVERSITY OF SOME BREAD WHEAT GROWN IN SEMI-ARID ENVIRONMENT IN ALGERIA USING SSR MARKERS, Kara Karima, Malika Rached-Kanouni, Alia Zerrouki.....	59
9. CHEMICAL AND RHEOLOGICAL CHARACTERIZATION OF HOMEMADE SOY MILK, PhD Lia-Sanda Rotariu , PhD Georgeta-Sofia Popescu, Prof. Adrian Varsandan, PhD Manuel-Ovidiu Amzoiu, Assoc. Prof. Florina Radu	69

10. COCONUT MILK-BASED CHEESE ALTERNATIVES - ANTIOXIDANT, NUTRITIONAL AND SENSORY PROPERTIES, Dr. Delia-Gabriela Dumbrava, Assoc. Prof. Dr. Aurica Breica Borozan, Assoc. Prof. Dr. Diana-Nicoleta Raba, Dr. Viorica-Mirela Popa, Dr. Camelia Moldovan	77
11. COMPARATIVE STUDY ON THE BENEFITS OF THE USE OF GAME MEAT IN THE PHYSICO-CHEMICAL AND SENSORY CHARACTERISTICS OF A COMMON CONSUMER PRODUCT, Assoc. Prof. Dr. Alexandru Rinovetz, Dr. Bogdan Radoi, Assoc. Prof. Dr. Ariana Velciov, Assoc. Prof. Dr. Florina Radu, Dr. Cocan Ileana	85
12. CONTROL OF PHYTOPHAGOUS APHIDS IN URBAN GREEN SPACES THROUGH ENVIRONMENTALLY FRIENDLY WAYS, Prof. Dr. Ioana Grozea, Assoc. Prof. Dr. Codruta Chis, Prof. Dr. Adrian Grozea, Lect. Dr. Ramona Stef, Assoc. Lect. Dr. Ana Maria Virteiu	93
13. CONTROL TECHNIQUES USED TO MANAGE AND MITIGATE FOOD FRAUD, Dr. med. vet. Geronimo Raducu Branescu, Assoc. Prof. Dr. Cristina Maria Canja, Assoc. Prof. Dr. Mirabela Ioana Lupu, Assoc. Lecturer Dr. Alina Maier, Dr. ing. Adrian Mazarel	101
14. CYTOLOGICAL DIAGNOSTIC TECHNIQUES FOR ENHANCING RESILIENCE IN BREEDING PROGRAMS, Dr. Grigore Emilian Onisan, Prof. Dr. Irina Petrescu, Prof. Dr. Ioan Sarac, Prof. Dr. Dorin Camen, Prof. Dr. Cirpian Stroia.....	109
15. CYTOTOXIC EFFECT OF CHELIDONIUM MAJUS FREEZE DRYED EXTRACT: IN VITRO STUDY ON SKIN CANCER LINE, PhD Ramona Maria Romanu, Assistant professor Anton Alina, PhD Maria Roberta Tripon, Assoc. Prof. Dr. Cristina Dehelean, Prof. Dr. Camelia Tulcan	117
16. EFFECT OF CABBAGE INTERCROPPING ON SOIL MICROBIAL AND ENZYME ACTIVITIES, Assist. Prof. Gergana Mladenova, Assoc. Prof. Dr. Boyka Mlacheva, Assoc. Prof. Dr. Milena Yordanova	125
17. EFFECT OF EXTRUSION PARAMETERS ON THE EXTRUDED PRODUCTS FEATURES, Assoc. Prof. Ionica Cotovanu, Prof. Dr. Silvia Mironeasa, Assoc. Prof. Madalina Ungureanu-Iuga , Prof. Dr. Costel Mironeasa	133
18. EFFICACY OF ENTOMOPATHOGENIC MICROORGANISMS FOR ECOFRIENDLY MANAGEMENT OF HELICOVERA ARMIGERA (HUB) LARVAE IN CORN CROP, Lecturer Dr. Ana - Maria Vireteiu, Full Prof. Dr. Ioana Grozea, Assoc. Lecturer Dr. Ramona Stef, Assoc. Prof. Dr. Codruța Chiș, Eng. Ion Arsinte	141

19. ELETARIA CARDAMOMUM: CHEMICAL COMPOSITION AND ANTIMICROBIAL ACTIVITY. AN IN VITRO STUDY, Assoc. Prof. Dr. Diana Obistioiu, Assoc. Prof. Anca Hulea, Prof. Dr. Ilinca Merima Imbrea, Assoc. Prof. Dr. Iuliana Popescu, Prof. Dr. Florin Imbrea	149
20. ENHANCING THE ANTIOXIDANT ACTIVITY OF CHAMOMILE: EXPLORING THE IMPACT OF ULTRASOUND ON PROTEIN EXTRACTION, Assist. Prof. Dr. Ancuta Lupaescu, B.S. student Nicoleta Flutur, Assoc. Prof. Dr. Brindusa Alina Petre, Assist. Prof. Dr. Monica Iavorschi, Dr. Florin Ursachi.....	157
21. EVALUATION OF HIGH NUTRITIONAL BREAD OBTAINED FROM WHOLE WHEAT FLOUR, KONJAC AND PSYLLIUM BLENDS, Lecturer Monica Negrea, Lecturer Ileana Cocan, Prof. PhD Ersilia Alexa, Lecturer Diana Obistioiu, Assoc. Prof. Daniela Stoin.....	165
22. EVALUATION OF THE CHARACTERISTICS OF OLEOGELS BASED ON CARNAUBA WAX AND THE ROLE OF THEIR ADDITION IN THE WHEAT DOUGH, Prof. Dr. Georgiana-Gabriela Codina, Assoc. Prof. Dr. Sorina Ropciuc, Prof. Dr. Mircea Oroian, Lecturer PhD Florina Dranca, Assoc. Prof. Dr. Ana Leahu	175
23. EVALUATION OF THE FATTY ACID PROFILE OF SOME VEGETABLE OILS OF ROMANIAN ORIGIN, Lecturer Dr. Viorica-Mirela Popa, Lecturer Dr. Delia - Gabriela Dumbrava, Assoc. Prof. Dr. Corina - Dana Misca, Lecturer Dr. Camelia Moldovan, Assoc. Prof. Dr. Diana - Nicoleta Raba.....	183
24. EVALUATION OF THE INFLUENCE OF GOJI FRUIT ADDITION ON THE NUTRITIONAL, BIOACTIVE AND SENSORY CHARACTERISTICS OF CHICKEN MEAT PATE, Dr. Ileana Cocan, Dr. Monica Negrea, Prof. Dr. Ersilia Alexa, Dr. Diana Obistioiu, Dr. Bogdan Radoi.....	191
25. EVALUATION OF THE OILS STABILITY OBTAINED BY CULTIVATING SOME SUNFLOWER HYBRIDS HIGH OLEIC HIGH STEARIC (HOHS) IN THE WESTERN REGION OF ROMANIA, Assoc. Prof. Dr. Iuliana Popescu, Assoc. Prof. Dr. Adalbert Okros, Prof. Dr. Simona Nita, Prof. Dr. Ersilia Alexa.....	201
26. EXTRACTION OF ANTIOXIDANTS FROM MORINGA OLEIFERA LEAVES, STABILITY OF THE RESULTING ANTIOXIDANTS, AND USE OF THE REMAINING RESIDUE AS LIVESTOCK FEED, Remigius Chizzola, Harinder Makkar, Ellen McGrat, Papu Haroon	207
27. FOOD ATTRIBUTES OF FORTIFIED FOODS: AN ANALYSIS OF CONSUMPTION BEHAVIOUR, Assoc. Prof. Dr. Gaetano Chinnici, Assistant Professor Carla Zarba, Prof. Dr. Donatella Stefania Privitera, Assoc. Prof. Dr. Agata Matarazzo, Assoc. Prof. Dr. Alessandro Scuderi	223

28. FORECASTING WEEKLY COW MILK PRODUCTION USING A MULTIVARIATE TIME SERIES APPROACH, Assist. Prof. Dr. Kristina Dineva, Assoc. Prof. Dr. Tatiana Atanasova	231
29. FORMULATION OF OLEOGELS BASED ON CANDELILLA WAX: PHYSICOCHEMICAL AND RHEOLOGICAL CHARACTERIZATION, Lecturer PhD. Sorina Ropciuc, Prof. Dr. Georgiana Gabriela Codina, Prof. Dr. Mircea Adrian Oroian, Lecturer PhD Florina Dranca, Assoc. Prof. Dr. Ana Leahu, Lecturer PhD Ancuta Elena Prisacaru.....	239
30. IMPACT OF TEMPERATURE AND SOWING DEPTH ON GERMINATION, GROWTH AND DEVELOPMENT OF THE INVASIVE SPECIES ASCLEPIAS SYRIACA, Assoc. Prof. Dr. Ștef Ramona, Prof. Dr. Grozea Ioana, Drd. Kincel Klaudia, Assoc. Prof. Dr. Vîrteiu Ana-Maria, Assoc. Prof. Dr. Alin Cărbăreț.....	247
31. IMPROVING THE QUALITY OF UNHEATED TOMATO JUICE BY USING PLANTS RICH IN BIOACTIVE COMPONENTS, PhD. Georgeta-Sofia Popescu, Assoc. Prof. Anisoara Ienciu, Prof. PhD. Luminita Pirvulescu, Assoc. Prof. Florina Radu, Assoc. Prof. Despina Maria Bordean	255
32. JAPANESE HONEYSUCKLE (LONICERA JAPONICA L.): A VALUABLE SOURCE OF ANTIOXIDANT AND ANTIBACTERIAL METABOLITES, PhD Maria Roberta Tripon, Lecturer Dr. Cristina Mirabela Gaspar, PhD Mihaela Elisabeta Enea, Prof. Dr. Dorin Dumitru Camen, Prof. Dr. Camelia Tulcan	263
33. MODELING OF THE BOILING PROCESS IN CORRUGATED PIPES BY THE FINITE ELEMENT METHOD, DSc., University Prof. Igor Korobiichuk, Ph.D., Assoc. Prof. Vladyslav Shybetskyi, Ph.D., Assoc. Prof. Sergii Kostyk, Ph.D., Myroslava Kalinina, Iryna Kruchok, Iana Piskivets	273
34. NUTRITIONAL AND PHYTOCHEMICAL ENRICHED MUFFINS BASED ON WHEAT FLOUR AND BAOBAB PULP FLOUR (ADANSONIA DIGITATA L.), Sylvestre Agossou Dossa, Christine Dragomir, Loredana Plustea, PhD Monica Negrea, Assoc. Prof. Dr. Adrian Ravis	281
35. NUTRITIONAL AND SENSORIAL CHARACTERISATION OF RAW DRY SALAMI WITH ADDITION OF GOJI AND NUTS, Assoc. Prof. Dr. Ariana - Bianca Velciov, Lect. Dr. Antoanela Cozma, Assoc. Prof. Dr. Ramona – Cristina Heghedüş – Mîndru, Assoc. Prof. Dr. Alexandru – Erne Rinovetz, Prof. Dr. Adrian Riviș.....	295
36. OPTIMIZING A PROTOCOL FOR INDUCING AND SYNCHRONIZING ESTRUS IN SHEEP DURING NON-BREEDING SEASON, Lecturer Dr. Ion Valeriu Caraba, Assoc. Prof. Dr. Marioara Nicoleta Caraba, Prof. Dr. Gabi Dumitrescu, Prof. Dr. Elena Pet, Prof. Dr. Roxana Popescu	303

37. OXIDATIVE STABILITY OF COCONUT OIL AND WALNUT OIL BY PHYSICO-CHEMICAL ANALYSIS AND FTIR SPECTROSCOPY , Lecturer Dr. Diana Moigradean, Prof. Dr. Mariana-Atena Poiana, Assoc. Prof. Dr. Despina-Maria Bordean, Assoc. Prof. Dr. Daniela Stoin, Lecturer Dr. Liana-Maria Alda	311
38. POSSIBILITIES FOR IMPROVING THE PRODUCTION AND CONSUMPTION OF MEAT AND MEAT PREPARATIONS IN TIMIS COUNTY, ROMANIA , Lecturer Dr. Loredana Văduva, PhD Student Ioana Cristina Țirlea, PhD Student Alin Neamțu, PhD Student Aliodor Marius Suciu, Prof. Dr. Cornelia Petroman	319
39. POWER OF NANOPORE ANALYSIS FOR SUSTAINABLE AND EFFICIENT DIAGNOSTICS , Iuliana Soldanescu, Mihai Dimian	329
40. PRELIMINARY RESEARCH REGARDING THE IMPACT OF MOISTURE CONTENT ON NUTRITIONAL PARAMETERS OF NETTLE POWDER , Assoc. Prof. Dr. Ariana - Bianca Velciov, Lect. Dr. Maria Rada, Lect. Dr. Lalescu Virgil - Dacian, Assoc. Prof. Dr. Daniela Stoin, Drd. Aliodor Marius Suciu	337
41. QUALITY EVALUATION OF FUNCTIONAL BREAD DEVELOPED FROM WHEAT FLOUR AND MALTED BARLEY FLOUR MIXTURES , Assoc. Prof. Dr. Daniela Stoin, Prof. Dr. Calin Jianu, Assoc. Prof. Dr. Ariana Velciov, Lecturer Dr. Monica Negrea, Prof. Dr. Mariana-Atena Poiana	345
42. RECOGNISING DAIRY COWS' BEHAVIOUR WITH LSTM MODEL TO IMPROVE FARM MANAGEMENT PRACTICES , Assist. Prof. Dr. Kristina Dineva, Assoc. Prof. Dr. Tatiana Atanasova	353
43. ROSEHIP CHUTNEY - A VALUABLE SOURCE OF ANTIOXIDANTS , Lecturer Dr. Camelia Moldovan, Lecturer Dr. Viorica-Mirela Popa, Assoc. Prof. Dr. Aurica Breica Borozean, Assoc. Prof. Dr. Diana-Nicoleta Raba, Lecturer Dr. Delia-Gabriela Dumbrava.....	361
44. SIX-MEMBERED HETEROCYCLIC SULFONAMIDES: SYNTHESIS, CHARACTERISATION AND ANTIMICROBIAL PROPERTIES , Dr. Dumitrela Diaconu, Dr. Violeta Mangalagiu, Associate Prof. Dr. Dorina Amăriucăi-Mantu, Associate Prof. Dr. Vasilichia Antoci, Prof. Dr. Ionel I. Mangalagiu.....	369
45. STUDIES REGARDING BIOACTIVE FINGERPRINT OF CAULIFLOWER VERSUS BROCCOLI , PhD Laura Radulescu, PhD Patricia Tarkanyi, Assoc. Prof. Dr. Eng. Corina Iuliana Megyesi, Assoc. Prof. Dr. Eng. Ariana Bianca Velciov, Assoc. Prof. Dr. Eng. Despina -Maria Bordean	377
46. STUDY OF ANTIBACTERIAL ACTIVITY OF DIOECIOUS CANNABIS SATIVA L. EXTRACTS , Prof. Dr. Pop Georgeta, Prof. Dr. Ersilia Calina Alexa, Prof. Dr. Ilinca Merima Imbrea, Assoc. Prof. Dr. Marinela Horablaga, Assoc. Prof. Dr. Diana Obistioiu	385

47. THE CRAFT BEER - AN APPRECIATED SUSTAINABLE BEVERAGE , PhD Matilde Reitano, Assoc. Prof. Dr. Gaetano Chinnici, Assoc. Prof. Salvatore Bracco, Researcher Roberta Selvaggi, Full Prof. Dr. Biagio Pecorino	393
48. THE DIRECTION OF CHANGES IN THE GRASSLANDS SURFACES IN THE MOUNTAIN AREA OF BANAT , Prof. Dr. Luminita Cojocariu, Assist. Dr. Loredana Copacean, Assoc. Prof. Dr. Marinela Horablaga, Assoc. Prof. Dr. Veronica Sarateanu, Prof. Dr. Ionel Samfir	401
49. THE EFFECT OF BLUEBERRIES ON PHYSICAL, CHEMICAL AND SENSORIAL PROPERTIES OF TURKISH DELIGHT , Assoc. Prof. Dr. Eng. Mirabela Lupu, Assoc. Prof. Dr. Eng. Cristina Maria Canja, Lecturer Dr. Eng. Alina Maier, Prof. Dr. Eng. Vasile Padureanu, Dr. Vet. Geronimo Raducu Branescu	409
50. THE ENHANCING IMPACT OF FOLIAR FERTILISERS ON QUALITY INDICES OF WHEAT , Laura Crista, Isidora Radulov, Adina Berbecea, Florin Crista	417
51. THE EVOLUTION OF SOME VEGETATION INDICES ON SOME PERMANET GRASSLANDS IN TIMIȘ COUNTY (WESTERN ROMANIA). CASE OF STUDY , Assoc. Prof. Dr. Durău Carmen Claudia, Lecturer Dr. Mihuș Casiana Doina, Lecturer Dr. Chis Ana Codruța, Lecturer Dr. Urlică Alina, Lecturer Dr. Scedei Daniela	427
52. THE REVOLUTION OF FUNCTIONAL FOOD: A MARKET ANALYSIS , Dr. Enrica Pistorio, Assoc. Prof. Dr. Gaetano Chinnici, PhD Carla Zarba, Assist. Prof. Dr. Claudio Bellia, Prof. Dr. Gioacchino Pappalardo	433
53. THE USE OF BIOENZYMATIC INDICATORS LIKE PROTEASE AND ASPARAGINASE ENZYMES ON BISCUIT PRODUCTS , Assoc. Prof. Dr. Ioan David, Assoc. Prof. Ariana Velciov, Lect. Gabriel Bujanca	443
54. THE VARIOUS STEPS TO PRODUCE BIOPLASTICS AND MEMBRANES FROM INSECTS OR CRUSTACEANS. APPLICATIONS AND GREEN METRICS , A.P. C Ribeiro, B. Abreu, B. Afonso, B. Santos, M.F.Albernaz, A.M.C. Ferraria, L.M.D.R.S. Martins.....	451
55. THUJA OCCIDENTALIS AND PLATYCLADUS ORIENTALIS ANTIMICROBIAL ACTIVITY , PhD Doris Floares, Assoc. Prof. Dr. Diana Obistioiu, Assoc. Prof. Dr. Anca Hulea, Prof. PhD. Ersilia Alexa, Prof. PhD. Isidora Radulov	465
56. VOLTAMMETRIC BEHAVIOR AND DETERMINATION OF NICKEL IONS USING BIOPOLYMERS FOR RECEPTOR IMMOBILIZATION , Assoc. Prof. Dr. Liliana Anchidin-Norocel, Prof. Dr. Gheorghe Gutt, Prof. Dr. Sonia Amariei	473

SECTION MICRO AND NANO TECHNOLOGIES

- 57. NOVEL MATERIALS WITH MICROENCAPSULATED ESSENTIAL OILS, POTENTIAL APPLICATIONS FOR SKIN CELLULAR REGENERATION DRESSINGS**, Assist. Prof. Dr. Roxana Gheorghita, Assoc. Prof. Dr. Roxana Filip, Assoc. Prof. Dr. Andrei Lobiuc483
- 58. PRELIMINARY TESTS ON FLY ASH POTENTIAL TO DEGRADE ORGANIC POLLUTANTS FROM AQUEOUS SYSTEM**, Chem. Florenta Daniela Constantinov, Dr. Eng. Mirela Alina Constantin, Chem. Diana Puiu, Dr. Eng. Ioana Alexandra Ionescu, Eng.Chem. Georgiana Cernica.....491

SECTION GREEN BUILDINGS TECHNOLOGIES AND MATERIALS

- 59. ENVIRONMENTAL BENEFITS OF MANAGING SECONDARY WASTE FROM INCINERATION PLANT IN CONCRETE - CARBON FOOTPRINT AND ABIOTIC DEPLETION**, Nikolina Poranek, Beata Lazniewska Piekarczyk, Krzysztof Pikon501
- 60. APPLICATIONS OF THE TEMPERATURE STEP METHOD FOR DETERMINING THE SPECIFIC HEAT CAPACITY OF BUILDING MATERIALS**, Dr. Stanislavs Gendelis507
- 61. BRAZING OF MoNbTaTiZrW_{0.2} HIGH ENTROPY ALLOY USING ECOLOGICALLY COATED RODS**, Prof. Dr. Ionelia Voiculescu, Prof. Dr. Victor Geanta, Prof. Dr. Petrica Vizureanu, Eng. Stefanescu Elena Violeta, Eng. Adrian Emanuel Onici515
- 62. CARBON FOOTPRINT REDUCTION ON MANUFACTURING SMES FROM DIGITAL TECHNOLOGIES**, Agostinho da Silva, Antonio Cardoso523
- 63. FLAME-RETARDANT TREATMENT EFFECT OF WOVEN FABRIC USING HANJI YARN FOR CAR SEATS**, Assoc. Prof. Dr. Jin Soun Jung, Assoc. Prof. Dr. Eun Joo Shin531
- 64. FOAM GLASS GRAVEL-GREEN LIGHTWEIGHT FILLER FOR NATURAL HYDRALUC LIME-BASED PLASTERING MORTARS**, Ing. Adam Pivak, Prof. Ing. PhD Milena Pavlikova, Prof. Ing PhD. Zbysek Pavlik543
- 65. FROM NEARLY ZERO ENERGY BUILDING (NZE) TO ZERO-EMISSION BUILDING (ZEB) - CONCEPT ISSUES EMPHASIZED THROUGH A PARADOXICAL CASE STUDY**, Asst. Prof. Dr. Eng. A.M. Măgurean551

66. HEAVY METALS IMMOBILIZATION IN COAL COMBUSTION FLY ASHPORTLAND CEMENT COMPOSITES, Ing. Martina Záleská Ph.D., Prof. Ing. Milena Pavlíková Ph.D., Ing. Adam Pivák, Assoc. Prof. Mgr. Jana Nábělková Ph.D., Prof. Ing. Zbyšek Pavlík, Ph.D.	561
67. MANAGEMENT OF BUILDING MATERIALS TECHNOLOGICAL LOSSES IN CIRCULAR ECONOMY Marian-Valentin Popescu, Mădălina Stoian, Andreea Grecu.....	569
68. NATURAL FIBRES AS A SUSTAINABLE ALTERNATIVE FOR REDUCING CONCRETE MICROCRACKING, Dr. Cecilia Fuentealba, MSc. Andrés Cesar, Eng. Fernanda Ramírez, Dr. Mauricio Pradena-Miquel	585
69. THE EFFECT OF CALCINATION TEMPERATURE AND DURATION ON THE COMPOSITION AND MORPHOLOGY OF SYNTHESIZED C3A, Dr. Lenka Scheinherrova, Michal Benes, Milan Steffek, Dr. Jitka Krejsova, Prof. Robert Cerny	593
70. THE INFLUENCE OF POLYPROPYLEN FIBRES OF CONCRETE PROPERTIES, Dipl. Eng. et Dipl. Eng. Kristýna Hrabová, Ph.D., Dipl. Eng. Jaromír Láník, Ph.D., Dipl. Eng. Magda Cibulková, Dipl. Eng. Petr Lehner, Ph.D.	601

SECTION GREEN DESIGN AND SUSTAINABLE ARCHITECTURE

71. BLUE-GREEN INFRASTRUCTURE AS A TOOL FOR CONNECTING AGRICULTURAL AND URBAN LAND, PhD Jakub Pagac, PhD Samuel Adamec, PhD Vladimir Kiss	609
72. CASE STUDY: MONITORING AND ANALYSIS OF TRAFFIC BEHAVIOR IN A SMALL-SCALE CITY, PhD Michal Kraus, Ales Kankovsky.....	617
73. COMMUNICATING SCIENCE IN A BIOLOGICAL NATURAL PARK TO ENHANCE CITIZENS' PRO-ENVIRONMENTAL BEHAVIOURS, PhD. Telma Cruz, Assist. Prof. Dr. Tiago Ribeiro, PhD. Natalia Fernandes, Assoc. Prof. Dr. Clara Vasconcelos.....	625
74. GEOETHICS AND SUSTAINABLE SOIL USE: FROM THE CURRICULUM TO THE BRAZILIAN CLASSROOMS IN ELEMENTARY EDUCATION, PhD. Hermon Reis Silva, Assist. Prof. Dr. Tiago Ribeiro, Assoc. Prof. Dr. Rosely Imbernon, Assoc. Prof. Dr. Clara Vasconcelos	633

75. IDENTIFICATION OF URBAN LANDSCAPE UNITS BASED ON SENTINEL-2A SATELLITE IMAGERY AND ILLEGAL LANDFILLS: CASE STUDY FROM VELINGRAD CITY (BULGARIA), Assoc. Prof. Dr. Emilia Tcherkezova, Assist. Prof. Dr. Elitsa Zareva, Assoc. Prof. Dr. Velimira Stoyanova, Assoc. Prof. Dr. Dragomir Vassilev, Rossitsa Georgieva	641
76. LAND MANAGEMENT FOR INCREASING OPERATIONAL EFFICIENCY OF DISTRIBUTION ELECTRIC NETWORK COMPANY ‘SADALES TĪKLS’ IN LATVIA, Maris Virkavs, Vivita Pukite	649
77. LOCATION INTELLIGENCE APPLYING ODDS FOR SHAPING SUSTAINABLE SMART CITIES, Assoc. Prof. Dr. Andreea Begov, Prof. Dr. Ildiko Tulbure.....	659
78. NONVIOLENCE OR REVOLUTION. TOWARDS A HYBRID AND ANTI-SPECIESIST ARCHITECTURE, Dr. Arch. Tommaso Antiga	667
79. RENEWABLE ENERGY INTEGRATION, CLIMATE ANALYSIS, AND EFFICIENCY OPTIMIZATION FOR GREENER TRANSPORTATION - CASE STUDY IN DOBROGEA, PhD Mohammed Gmal Osman Abdelfadeel, PhD Strejoiu Cristian-Valentin, Prof. PhD. Cornel Panait, Prof. PhD. Gheorghe Lazaroiu, Lecturer PhD Alexandra Catalina Lazaroiu.....	675
80. SUSTAINABLE SOLUTIONS FOR TEMPORARY ACCOMODATION IN POST-DISASTER MODULES. SPATIAL CONNECTION IN STRUCTURES, Assoc. Prof. Dr. Evgenia Dimova-Aleksandrova, Chief Ass. Prof. PhD Konstantina Hristova-Dimitrova, PhD Elitsa Deianova.....	689
81. TAX BREAKS FOR THE ENERGY RENOVATION OF ITALIAN BUILT HERITAGE. KEY ISSUES AND FUTURE PROSPECTS FOR A NEW TRANSITION PROCESS, Prof. Dr. Andrea Garzulino	697
82. THE POTENTIAL IMPACT OF BLUE-GREEN INFRASTRUCTURE ON RESTORING BIODIVERSITY IN AN URBANIZED LANDSCAPE, PhD Samuel Adamec, PhD Jakub Pagac	705
83. THE RELEVANCE OF THE BIOREGION IN LATVIA FOR THE PRESERVATION OF BIOLOGICAL DIVERSITY, Assist. Prof. Dr. Dace Kaufmane, Assoc. Prof. Dr. Liga Proskina, Assoc. Prof. Dr. Liga Paula, Assoc. Prof. Dr. Kaspars Naglis-Liepa	713
84. THE ROLE OF LANDSCAPE DESIGN AND URBAN NATURE-BASED SOLUTIONS IN ADDRESSING GLOBAL CHALLENGES, Denis Vasiliev, Rodney Stevens, Lennart Bornmalm , Richard Hazlett.....	721

85. VENTILATION INTENSITY AS A MARKER OF INDOOR ENVIRONMENTAL QUALITY IN BUILDINGS, PhD Ing. Michal Kraus, Prof. Ing. Ingrid Juhasova Senitkova, Ing. Linda Kucerova	729
---	-----

SECTION ANIMALS AND SOCIETY

86. DISPELLING MISCONCEPTIONS ABOUT ANIMALS AND HUMAN-ANIMAL INTERACTIONS IN ROMANIA, Dr. Raluca Nicolae, MSc. student Victor Gabriel Stefanescu, MSc. Stefan Catalin Popescu	739
--	-----

87. DIVERSITY OF SOIL NEMATODES IN THE THREATENED ECOSYSTEMS OF PONICKA CAVE, Dr. Andrea Cerevkova, Dr. Marek Renco, Assoc. Prof. Dr Lenka Bobulska	747
--	-----

88. HYSTOLOGICAL INVESTIGATION OF HYPOSPADIAS IN A CROSSBRED CALF WITH SYNDROMIC EVOLUTION, Lecturer Dr. Simona Marc, Lecturer Dr. Eng. Oana Maria Boldura, Lecturer Dr. Jelena Savici, Lecturer Dr. Eng. Cristina Paul, Lecturer Dr. Gabriel Otavă.....	755
---	-----

89. IDENTIFICATION OF INTESTINAL BACTERIAL FLORA ISOLATED FROM JACKALS IN WESTERN ROMANIA, Assoc. Prof. Dr. Luminita Costinar, Prof. Dr. Viorel Herman, Prof. Dr. Corina Pascu.....	763
--	-----

90. SURGICAL MANAGEMENT OF A CASE OF MATURE CATARACT IN A DOG COMPLICATED BY IRIS-ANTERIOR LENS CAPSULE ADHESIONS USING PHACOEMULSIFICATION, Elena Bonea, Cornel Igna.....	771
---	-----

91. TECHNOLOGICAL INNOVATIONS AND LIVESTOCK ANIMAL WELFARE: THE CASE OF THE DAIRY COW, Assistant Professor Carla Zarbà, Prof. Dr. Gioacchino Pappalardo, Assoc. Prof. Dr. Gaetano Chinnici, Assistant Professor Roberta Selvaggi, Prof. Dr. Biagio Pecorino	779
--	-----