

Contents

A DECLINE IN THE NUMBER OF GRAY PARTRIDGE SINCE THE 1950S AS A RESULT OF THE IMPACT OF CHANGES IN THE LANDSCAPE STRUCTURE <i>Andrej Kvas, Tibor Pataky</i>	11
A PROPOSAL FOR RECOMMENDATIONS OF FORESTRY MANAGEMENT FOR RECREATIONALLY STRESSED FORESTS IN THE CZECH REPUBLIC <i>Kateřina Holušová, Otakar Holuša</i>	18
ABOVE-GROUND BIOMASS PRODUCTION OF THE SKI PISTE MEADOWS IN THE DONOVALY SKI RESORT (SLOVAKIA) <i>Michal Mikloš, Martin Jančo, Katarína Korísteková, Ilja Vyskot</i>	22
ANALYSIS OF GREEN INFRASTRUCTURE FOR TOURIST ROUTES IN THE HODONÍN MUNICIPALITY WITH EXTENDED POWERS <i>Pavla Pokorná</i>	26
ANALYSIS OF THE DYNAMICS OF FOREST AREAS IN THE TERRITORIAL ADMINISTRATIVE UNITS OF THE APUSENI MOUNTAINS, ROMANIA <i>Adrian Gabriel Simion, Iulia Daniela Nedelcu, Alexandra Grecu, Mihnea Cristian Popa, Daniel Peptenatu</i>	29
ASSESSMENT OF LOGGING RATES IN CĂLIMANI MOUNTAINS (ROMANIA) <i>Ana-Maria Ciobotaru, Ion Andronache, Iulia-Daniela Nedelcu, Radu-Daniel Pintilii</i>	35
BENEFITS AND LIMITS OF THE USE OF PHOTOGRAPHY FOR THE DEVELOPMENT OF ENVIRONMENTAL AWARENESS <i>Jana Dundelová</i>	40
BIOCENTRE VICEMILICE'S PONDS ASSEMENT <i>Petra Oppeltová, Klára Bedřichová</i>	45
BUILDING PERMITS OF SELECTED RECREATIONAL BUILDINGS FROM THE POINT OF VIEW OF THE BUILDING ACT <i>Alena Kliková</i>	49
CAN WE IMPROVE QUALITY OF CULTURE HERITAGE SITE WATER ELEMENTS TO BE MORE ATTRACTIVE FOR VISITORS & IN SUSTAINABLE STATE? <i>Miloš Rozkošný, Josef Kratina, Hana Hudcová</i>	51
COMPARISON OF FOREST FUNCTION ASSESSMENT WITH ITS REALISATION ON THE MARKET BASED ON THE CONTRACTUAL RELATIONSHIP (CASE STUDY) <i>Dalibor Šafařík, David Březina</i>	56
COMPARISON OF THE CURRENT SOLUTION OF THE SINGLETRAIL MORAVSKÝ KRAS CENTRE WITH A SELECTED CENTRE ABROAD <i>Petr Hrůza, Petr Pelikán, Ondřej Hemr</i>	62
CONCENTRATING CREATIVE ECONOMIES IN THE WEST DEVELOPMENT REGION <i>Daniel Peptenatu, Marian Marin, Andreea Karina Gruia, Alexandra Grecu, Cătălin Răzvan Dobrea</i> 67	
CONSTRUCTIVE METHOD FOR THE REGENERATION OF WETLANDS FOR THE INCREASE OF RECREATIONAL ECOSYSTEM SERVICES <i>Mihnea Cristian Popa, Iulia Daniela Nedelcu, Daniel Constantin Diaconu</i>	73
CREATIVE ECONOMIES ROLE IN SUSTAINABLE DEVELOPMENT OF LOCAL ECONOMIES IN CENTRAL REGION - ROMANIA <i>Marian Marin, Andreea Karina /Gruia, Alexandra Grecu, Cristina Dima, Răzvan Cătălin Dobrea</i>	78

CULTURAL FUNCTIONS AND SERVICES OF GEODIVERSITY WITHIN URBAN AREAS (WITH A SPECIAL REGARD ON TOURISM AND RECREATION) <i>Lucie Kubalíková, Aleš Bajer, Emil Drápela, Dana Zapletalová, Karel Kirchner, Marie Balková, Kamil Zágoršek, František Kuda, Pavel Roštínský</i>	84
CULTURAL HERITAGE AS A TOURIST DESTINATION <i>Eva Abramuszkinová Pavlíková</i>	90
CYCLING ROUTES IN PROTECTED AREAS IN SLOVAKIA <i>Adriana Šebešová, Branislav Kršák, Ľubomír Štrba, Jana Kolačkovská, Csaba Sidor</i>	94
DEFINITION AND USE OF RECREATIONAL FUNCTIONS OF FORESTS IN PROTECTED AREAS OF TUSHETI, SOUTH CAUCASUS MTS., GEORGIA <i>Kateřina Holušová, Otakar Holuša</i>	97
DISFUNCTIONALITIES IN THE ORGANIZATION AND DEVELOPMENT OF SPA TOURISM DEVELOPED ON SALT RESOURCES IN MARAMUREȘ, ROMANIA <i>Camelia Teodorescu, Daniel Diaconu, Roxana Radu</i>	101
DISPARITIES IN THE DISTRIBUTION OF COMPANIES FROM TOURISM SECTOR IN THE SOUTH-EASTERN REGION OF ROMANIA <i>Oana-Elena Joița, Cristina Dima, Karina Andreea Gruia, Alexandra Grecu, Cristian Constantin Drăghici</i>	106
DISPARITIES IN THE DISTRIBUTION OF EMPLOYEES FROM TOURISM SECTOR IN THE SPA RESORTS FROM ROMANIA <i>Alexandra Grecu, Andreea Karina Gruia, Oana-Elena Joița, Cristian Constantin Drăghici, Daniel Peptenatu</i>	112
DISPARITIES IN THE DISTRIBUTION OF TURNOVER IN CREATIVE ECONOMIES. CASE STUDY - SOUTH-WEST DEVELOPMENT REGION <i>Andreea Karina Gruia, Marian Marin, Alexandra Grecu, Cristina Dima, Daniel Peptenatu</i>	118
ECOLOGICAL INTEGRITY ASSESSMENT AS A TOOL FOR LANDSCAPE MANAGEMENT IN THE EUROPEAN COUNTRIES: A COMPARISON BETWEEN TWO LEVELS OF LANDSCAPE (NATIONAL AND REGIONAL) <i>Safa Chourabi, Petr Kupec</i>	124
ECOLOGICAL TREATMENT OF WASTEWATERS FROM RECREATIONAL FACILITY FOR 36 P.E. IN JESENÍKY PROTECTED LANDSCAPE AREA <i>Tereza Poloprutská, Michal Kriška Dunajský, Petra Oppeltová</i>	128
EDUCATIONAL ACTIVITY OF MEMBERS OF THE STUDENTS' SCIENTIFIC ASSOCIATION AT THE FACULTY OF FORESTRY, WARSAW UNIVERSITY OF LIFE SCIENCES - SGGW <i>Szczepan Kopeć, Katarzyna Koc, Dominik Broda, Aleksandra Giedrowicz, Paweł Staniszewski</i> ...	132
EFFECT OF SHRUB LAYER ON THE INTERCEPTION PROCESS IN DECLINED CLIMAX SPRUCE FORESTS IN THE TATRA NATIONAL PARK (SLOVAKIA) <i>Martin Jančo, Ilja Vyskot, Michal Mikloš, Miriam Váľková, Jozef Zverko</i>	137
ENVIRONMENTAL EDUCATION AT FARMS <i>Petra Oppeltová, Marie Navrátilová, Pavla Marešová</i>	141
EXTINCT SETTLEMENTS IN ŠUMPERK DISTRICT – THE CURRENT STATE AND VISIONS <i>Andrea Lešková, Hana Vavrouchová</i>	145
FLOOD MITIGATION IN EASTERN SLOVAKIA BASED ON QUESTIONNAIRE SURVEY <i>Vlasta Ondrejka Harbulakova, Martina Zelenakova, Maria Sugarekova</i>	151

FOREST ROAD IN THE LANDSCAPE: IMPACT ON THE ENVIRONMENT <i>Pablo Fernández Arias, Šlezinger Miloslav</i>	156
FRUIT ALLEYS IN RURAL LANDSCAPE - IN POLAND AND MORAVIA <i>Beata Fortuna-Antoszkiewicz, Jan Łukasziewicz, Edyta Roston-Szeryńska, Piotr Wiśniewski</i>	162
HELPING WATER MANAGEMENT AND RECREATION IN LANDSCAPE BASED ON THE SAME FOUNDATIONS <i>Jan Deutscher, Petr Kupec, Petr Sedlák</i>	168
HERITAGE OF THE MEDIEVAL HUMAN ACTIVITY IN THE PRESENT LANDSCAPE OF THE NATIONAL PARK LOW TATRAS (SLOVAKIA) <i>Pavel Hronček, Ľubomír Štrba, Bohuslava Gregorová</i>	172
HISTORIC FIELD ROADS NETWORK IN THE CONTEXT OF THE CURRENT LANDSCAPE <i>Petr Karásek, Jan Szturc</i>	177
HISTORICAL MAPS PROCESSED INTO A GIS FOR THE ASSESSMENT OF FOREST LANDSCAPE DYNAMICS <i>Giuseppe Cillis, Dina Statuto, Pietro Picuno</i>	180
HOSPITAL GREEN SPACES AS DESIGNED NATURE FOR RECOVERY AND RECREATION: CASE STUDY NITRA, SLOVAKIA <i>Denisa Halajová, Attila Tóth, Mária Bihuňová</i>	185
IMPACT OF ENVIRONMENTAL-FRIENDLY PRODUCTS ON BUYING BEHAVIOUR OF CZECH AND SLOVAK CONSUMERS IN THE TIMBER PRODUCT SEGMENT <i>Jakub Michal, David Březina, Andrea Sujová</i>	192
IMPROVING OF RECREATIONAL AND EDUCATIONAL POTENTIAL OF NATURAL LANDSCAPE THROUGH GAMIFICATION AND BARRIER-FREE ELEMENTS <i>Mariana Jakubisová</i>	198
INFLUENCE OF HUMAN ACTIVITIES ON THE DISTRIBUTION OF WILD BOAR IN THE FOREST ENVIRONMENT <i>Jakub Drimaj, Marie Balková, Radim Plhal, Jiří Kamler, Zdeněk Adamec, Ondřej Mikulka</i>	202
INFLUENCE OF SLOPE GRADIENT ON SHORE STABILITY <i>Miloslav Šlezinger</i>	206
INTEGRATION OF BRIDGE CONSTRUCTIONS INTO THE LANDSCAPE <i>Pavla Kotásková, Jitka Fialová</i>	208
INTEGRATION OF THE HISTORICAL WATERMILL INTO A SUSTAINABLE PERI-URBAN RIVERFRONT REDESIGN <i>Miroslav Čibík, Attila Tóth, Roberta Štěpánková</i>	212
LAND CONSOLIDATION HAND IN HAND WITH THE DEVELOPMENT OF TOURISM <i>Jana Podhrázká, Josef Kučera, Jan Szturc, Petr Karásek, Jana Konečná</i>	217
LANDSCAPE VALUES IN THE PLANNING PRACTICE REFLECTION – RECREATIONAL POTENTIAL FROM RESIDENTS POINT OF VIEW <i>Hana Vavrouchová</i>	222
LEGAL PROTECTION OF NON-LIVING NATURE IN SLOVAKIA IN THE CONTEXT OF TOURISM DEVELOPMENT <i>Jana Kolačková, Ľubomír Štrba, Branislav Kršák, Adriana Šebešová</i>	226

LINKS BETWEEN PROTECTED AREAS AND FOREST DYNAMICS IN THE ROMANIAN CARPATHIANS. CĂLIMANI MOUNTAINS, AS A CASE STUDY <i>Radu-Daniel Pintilii, Ana-Maria Ciobotaru, Marian Marin</i>	231
MANAGEMENT OF URBAN FOREST TO ENSURE THE SAFETY OF TOURISTIC USE ON THE EXAMPLE OF WARSAW <i>Marzena Suchocka, Kinga Kimic</i>	236
MICROCLIMATE CONDITIONS ON MOHELNO SERPENTINE STEPPE NATIONAL NATURE RESERVE AFTER MANAGEMENT PLAN REALIZATION <i>Hana Středová, Eva Stehnová, Tomáš Středa, Miroslav Vysoudil</i>	240
MOBILE APPLICATIONS AS A TOOL SUPPORTING ENVIRONMENTAL EDUCATION AND TOURISM IN PROTECTED AREAS – KAMPINOS NATIONAL PARK, POLAND <i>Kinga Kimic</i>	246
MONITORING OF VISITOR ARRIVALS AT THE AREA OF MĚSTSKÉ LESY HRADEC KRÁLOVÉ A. S. USING FIELD COUNTING DEVICES <i>David Březina, Jakub Michal, Jitka Fialová</i>	250
MOVING OF VISITORS SINGLE TRAIL MORAVIAN KARST ON THE FORESTRY ROADS IN KŘTINY <i>Lucie Olišarová, Luboš Kala, Petr Hruža</i>	254
NATURE AND PLAY: PARENTS ATTITUDES TOWARDS CHILDREN'S RECREATIONAL ENVIROMENTS <i>Marzena Suchocka, Magdalena Błaszczuk, Joanna Kosno</i>	258
NATURE AROUND BÍLOVICE NAD SVITAVOU AND ITS SPRINGS <i>Tomáš Mašíček, Leon Mádr</i>	263
NEISSELAND GEOPARK: CONCEPT, PURPOSE AND ROLE IN PROMOTING SUSTAINABLE TOURISM <i>Emil Drápela, Jörg Büchner</i>	268
OPPORTUNITIES AND NEEDS OF HUNTING EDUCATION IN POLAND <i>Małgorzata Woźnicka, Emilia Janeczko, Paweł Staniszewski, Krzysztof Janeczko, Maciej Bilek</i>	273
POLLEN ALLERGENS IN THE LANDSCAPE AND WASTE LANDFILL OF COMMUNAL WASTE <i>Jan Winkler, Dan Uldrijan, Helena Hanusová, Jana Červenková, Magdalena Daria Vaverková, Dana Adamcová</i>	277
POPLARS' SHELTERBELTS AND WOODLOTS IN THE CULTURAL LANDSCAPE OF POLAND - FUNCTIONS, APPLICATION AND MAINTENANCE <i>Jan Łukaszkiwicz, Beata Fortuna-Antoszkiewicz, Edyta Rosłon-Szeryńska, Piotr Wiśniewski</i>	281
PREFERENCE FOR RECREATION OF THE INHABITANTS OF VERY SMALL MUNICIPALITIES IN THE SOUTH MORAVIAN REGION <i>Andrea Lešková</i>	286
PRESERVED WATER MANAGEMENT FACILITIES IN BOSKOVICE AND ITS SURROUNDINGS AND POSSIBILITIES OF THEIR USE FOR TOURISM <i>Marek Havlíček, Josef Svoboda, Hana Skokanová, Roman Borovec</i>	290
PROPOSAL OF BIOTECHNICAL STABILIZATION – AREA HULIN <i>Miloslav Šlezing, Pablo F.Arias</i>	295
QUANTIFICATION METHOD OF THE CUMULATIVE LOSS OF THE FORESTS <i>Andronache Ion, Radu-Daniel Pintilii, Alexandra Grecu, Diaconu Daniel Constantin</i>	297

QUANTIFICATION OF ABRASION AS A BASIS FOR REVITALIZATION OF THE BANKS OF RECREATIONAL WATER RESERVOIR POČŮVADLO <i>Matúš Jakubis</i>	303
REAL ESTATE PRICES IN RECREATIONAL AREAS <i>Pavel Klika, Martina Vařechová</i>	307
RECOMMENDATIONS FOR TRANSFER OF RECREATION VALUES TO CZECH NATURAL SITES <i>Kateřina Kaprová</i>	313
RECREATION IN THE CONTEXT OF FOREST FUNCTIONS AND FOREST MANAGEMENT <i>Václav Kupčák, Jaroslav Jánský, Pavel Klein, Richard Pek</i>	317
RECREATION TRAIL TYPOLOGY <i>Tomáš Kvasnička, Hana Hermová</i>	322
RECREATIONAL IMPORTANCE OF VERY LARGE TREES IN URBAN ENVIRONMENT <i>Ivo Machar, Aleš Rudl, Lubor Uradnicek, Ludek Praus, Veronika Vlckova, Vilem Pechanec</i>	326
RECREATIONAL MANAGEMENT OF FOREST WATER RESERVOIRS IN THE OPINION OF THEIR USERS <i>Emilia Janeczko, Dorota Kargul-Plewa, Małgorzata Woźnicka, Krzysztof Janeczko, Jarosław Sadowski</i>	330
REGIONAL TOURISM ORGANIZATION TEKOV AND SUSTAINABLE TOURISM DEVELOPMENT: PREFERENCES OF LOCAL RESIDENTS AND STAKEHOLDERS <i>Michaela Kalivodová, Ivan Laco, Andrej Raniak, Viktória Miklósová, Simona Stašová, Tomáš Kováč</i>	334
RESTORING BIODIVERSITY IN A HIGHLY-INTENSIVE TOURISTIC URBAN AREA: A CASE STUDY IN THE CITY OF MATERA (SOUTHERN ITALY) <i>Pietro Picuno, Giuseppe Cillis, Dina Statuto</i>	339
SERVICES QUALITY EVALUATION AS A TOOL FOR VISITOR MANAGEMENT OF PROTECTED AREAS: A CASE STUDY OF MORAVIAN KARST <i>Stanislava Pachrová, Eva Janoušková, Petr Chalupa</i>	344
SETTLEMENT OF THE LANDSCAPE WITH EUROPEAN BEAVER (CASTOR FIBER) IN RELATION TO ANTHROPOGENIC INFLUENCES <i>Ondřej Mikulka, Zdeněk Patočka, Jakub Drimaj, Jiří Kamler, Radim Plhal, Miloslav Homolka</i>	348
SILVER HAIR TOURIST - NEW TRENDS IN TOURISM AND RECREATION <i>Magdalena Kowalska</i>	352
SLOPE STABILITY IN URBAN PARKS - TREES VERS. LOANS, CASE STUDY NORTHERN TERRACES LOCALITY, HRADEC KRÁLOVÉ, CZECH REPUBLIC <i>Petr Kupec, Jan Deutscher</i>	356
SOCIOCULTURAL ASPECTS OF CITYSCAPE DOMINANTS CHANGE AND PERCEPTION <i>Vaida Vaitkutė Eidimtienė</i>	361
SPATIAL CONFLICTS OF WINTER SKI RESORTS WITH WILDLIFE HABITATS – CASE STUDY BESKYDY MTS. AND MORAVIAN WALLACHIA <i>Marek Havlíček, Ivo Dostál</i>	365
SPATIAL DISTRIBUTION OF NATURAL REGENERATION AT A GALE-DISASTER AREA IN THE ŠUMAVA NATIONAL PARK <i>Jiří Kadlec, Kateřina Novosadová, Pavel Štětina, Radek Pokorný</i>	371

SPROUTING ABILITY OF TEAK TREES AFTER DIFFERENT THINNING INTENSITY APPLICATION IN THREE CHOSEN STANDS IN NICARAGUA <i>Kateřina Novosadov, Jiř Kadlec, Martin Smola, Peter Haninec, Radek Pokorn, Petr Maděra ...</i>	375
SUSTAINABLE BUILDINGS IN RECREATION AREAS <i>Milada Komosn, Tomš Hrdlička, Tereza Oplkov</i>	379
SYNERGY OF ELEMENTS FOR THE CITY TOURISM DEVELOPMENT <i>Pavol Budaj</i>	384
THE CONCEPT OF ENVIRONMENTAL EDUCATION IN COMMUNITY-BASED SOCIAL FARMING (CSF) <i>Wioletta Knapik</i>	388
THE FOREST THAT HEALS - FOREST ENVIRONMENT AS A SOURCE OF HERBAL MEDICINAL RAW MATERIALS <i>Paweł Staniszewski, Szczepan Kopeć, Małgorzata Woźnicka, Emilia Janeczko, Maciej Bilek.....</i>	393
THE HISTORICAL DEVELOPMENT OF RURAL ROADS IN THE BASILICATA REGION, SOUTHERN ITALY <i>Petr Hrůza, Petr Pelikn, Lucie Oliřarov, Dina Statuto, Giuseppe Cillis, Pietro Picuno</i>	399
THE ISSUE OF MARKING TOURIST TRAILS IN CONNECTION WITH THE LEGAL RESPONSIBILITY OF THE LAND OWNER <i>Petr Hrůza, Pavlna Prochzkov, Jitka Fialov, Alena Klikov</i>	404
THE PROTECTION OF TREES IN RECREATIONAL AREAS AND PERCEIVED HAZARD SAFETY <i>Edyta Roson-Szeryńska, Beata Fortuna-Antoszkiewicz, Jan Łukaszkiwicz</i>	408
THE RECREATIONAL POTENTIAL IN THE VALLEY OF SVITAVA RIVER BETWEEN OBŘANY AND ADAMOV <i>Kateřina Sedlčkov</i>	413
THE SPIRITUAL DIMENSION OF CHŘIBY MOUNTAINS IN THE CONTEXT OF THEIR TOURISM POTENTIAL <i>Zuzana Dančkov, Aleř Bajer</i>	418
THE UNIQUE VALUES OF TREES AS THE REASON FOR THEIR PROTECTION AS NATURAL MONUMENTS IN FORESTS <i>Kinga Kimic</i>	422
THE USE OF BIOLOGICAL PROCESSES FOR WATER PURIFICATION IN THE NATURAL POOL <i>Martina Zelenkov, Natlia Junkov</i>	426
THE WEEDS OF ALFALFA AS A SOURCE OF POLLEN ALLERGENS IN THE LANDSCAPE <i>Leoř Kadlek, Helena Hanusov, Lenka Petrželov, Martin Jirouřek, Pavel Hork, Jan Winkler ...</i>	430
TOURISM AND RECREATIONAL POTENTIAL IN SOLOMON ISLANDS EXCEEDING THE BENEFITS OF LOGGING SECTOR <i>Lucia řkvareninov, Petr Kupec</i>	434
TOURISM DEVELOPMENT IN THE AREA OF THE BOHEMIAN FOREST – THE NEXT řUMAVA OR A COMPLETELY DIFFERENT CONCEPT? <i>Pavel Hruřka, Tomš Peckert</i>	438
TRADITIONAL COPPICE MANAGEMENT AS A WAY TO MAINTAIN A VARIED LANDSCAPE MOSAIC <i>Barbora Uherkov, Jan Kadav, Zdeněk Adamec, Michal Kneifl, Robert Knott</i>	444

TRENDS AND EXTREMES IN LOCAL CLIMATIC CONDITIONS AS PREREQUISITES FOR TOURISM IN THE ŠTIAVNICKÉ VRCHY MTS <i>Adriana Leštianska, Jakub Železník, Zora Snopková, Jozef Zverko</i>	448
UPPER PART OF THE TOPLA RIVER – EVALUATION OF THE DENSITY OF THE RIVER NETWORK <i>Vlasta Ondrejka Harbulakova, Miloslav Slezinger, Hana Uhmannova, Matus Lechman</i>	453
URBAN TERRITORIAL SYSTEM OF ECOLOGICAL STABILITY – REGENERATION OF GREEN SPINE <i>Michal Girgel, Hedvika Psotová</i>	458
VEGETATION OF SELECTED VINEYARDS AND THEIR AESTHETIC VALUE IN THE LANDSCAPE <i>Jan Winkler, Lucia Ragasová, Helena Hanusová, Tomáš Kopta</i>	462
VEGETATION STRUCTURES OF THE CITY AND THEIR USE FOR RECREATION ACTIVITIES <i>Ján Supuka, Karol Šinka, Gabriel Kuczman, Monika Billiková</i>	466
VISITOR MANAGEMENT AT THE NATURE CONSERVATION AGENCY OF THE CZECH REPUBLIC <i>Ondřej Vitek</i>	473
VISUAL QUALITY INDICATORS FOR ASSESSING LANDSCAPE CHARACTERISTICS AND MANAGING ITS PROTECTION <i>Dina Statuto, Giuseppe Cillis, Pietro Picuno</i>	476
WARSAW PARKS AS RECREATIONAL PLACES: NEEDS AND PREFERENCES OF THE ELDERLY USERS <i>Magdalena Błaszczyk, Marzena Suchocka, Agnieszka Gawłowska, Kinga Kimic, Karolina Kaszuba</i> ...	481
WATERCOURSES AND THE STATE OF THE OBJECTS IN THE RIVERBEDS IN THE RECREATIONALLY INTENSELY USED LOCATION OF TRAINING FOREST ENTERPRISE MASARYK FOREST KŘTINY <i>Jana Marková, Věra Hubačiková</i>	487