

## CONTENTS

### PHYSICAL GEOGRAPHY; CARTOGRAPHY; GEOGRAPHIC INFORMATION SYSTEMS & SPATIAL PLANING

<b>DETERMINING THE TEMPERATURE TREND OVER MARMARA REGION BY USING DATA SET FOR 1996– 2006 PERIOD</b>	
Nilcan Akataş, Serhan Yeşilköy, Assoc. Prof. Dr. Alper Ünal, Istanbul Technical University, Faculty of Aeronautics and Astronautics, Turkey .....	3
<b>DIGITAL AND CARTOGRAPHIC MODELLING OF VRSAC MOUNTAINS TOPOGRAPHIC EXPOSITIONS</b>	
Associate Prof. d-r Aleksandar Valjarević, M.Sci Bojana Jandziković, University of Kosovska Mitrovica Natural Science, Faculty Department of Geography - Serbia .....	11
<b>ASSESSMENT OF WATER QUALITY AND WATER POLLUTION OF THE LUDA MARA RIVER IN THE REPUBLIC OF MACEDONIA</b>	
D-r. Kole Pavlov, Prof. D-r Gjorgi Pavlovski, Josip Broz Tito High School, Skopje, Republic of Macedonia .....	17
<b>CARTOGRAPHICAL METHOD IN DIGITAL MODELLING OF HYDROGRAPHICAL CHARACTERISTICS IN THE EXAMPLE OF THE UPPER ZETABASIN</b>	
Docent Dr. Goran Barovic, Dusko Vujacic MSc, Faculty of Philosophy, Nikšić, University of Montenegro.....	25
<b>LITHOSTRATIGRAPHIC CORRELATION AND RESERVOIR CHARACTERISATION OF TRIASSIC SEDIMENTS IN KNEJA-ISKAR AREA (CENTRAL NORTH BULGARIA)</b>	
Assoc. Prof. Dr. Nikola Botoucharov, Diana Angelova, BSc., Sofia University “St. Kliment Ohridski”, Bulgaria .....	35
<b>CONTAMINATION OF SELECTED COMPONENTS OF ENVIRONMENT IN THE MIDDLE SPIŠ REGION (SLOVAK REPUBLIC)</b>	
Dr. Vladimir Cech, Prof. Eva Michaeli, Dr. Juliana Krokusova, Dr. Monika Ivanova, Faculty of Humanities and Natural Sciences, University of Prešov, Slovakia .....	43
<b>DETAILED GEOMORPHOLOGICAL MAPPING OF THE SEA BOTTOM ON THE BASIS OF THE SOUTHERN BALTIC</b>	
Dr. Kazimierz Szeffler, Prof. Stanisław Rudowski, Dr. Radosław Wróblewski, Msc. Patryk Sitkiewicz, Maritime Institute in Gdańsk, Poland .....	51
<b>ENVIRONMENTAL IMPACT OF INDUSTRIAL DEVELOPMENT IN THE SOUTHWEST ALBANIAN REGION</b>	
Doc. PhD. Adela Dhromaj, Doc. PhD. Gentian Ruspi, Department of Geography, University “Eqrem Çabej”, Gjirokastra, Albania.....	57
<b>PALEOPALYNOLOGICAL DATA ABOUT LABIATAE AND RANUNCULACEAE FAMILIES IN ELBASAN REGION</b>	
Admir Janča, “Aleksander Xhuvani” Elbasan University, Albania.....	65
<b>GEOTHERMAL ENERGY AS A RENEWABLE ENERGY SOURCE IN REPUBLIC OF SRPSKA</b>	
Dr Vesna Rajčević, Dr Čedomir Crnogorac, Faculty of Sciences, University of Banja Luka, Bosnia and Herzegovina .....	71

<b>ESTIMATION HOURLY GLOBAL RADIATION UNDER CLEAR SKY CONDITIONS IN SOUTHEASTERN ANATOLIA REGION OF TURKEY</b> Zeynep Küçükdere, Prof. Dr. Sema Topcu Department of Atmospheric Science, İstanbul Technical University, İstanbul- Turkey .....	77
<b>MORPHO-BATHYMETRY AND GIS-PROCESSED MAPPING IN DELIMITING LACUSTRINE WETLANDS: THE RED LAKE (ROMANIA)</b> Prof. Dr. Gheorghe Romanescu, Dr. Cristian Stoleriu, Alexandru Ioan Cuza University of Iasi, Faculty of Geography and Geology, Iasi, Romania.....	85
<b>AN APPROACH OF GIS BASED ASSESSMENT OF SOIL EROSION RATE ON COUNTRY LEVEL IN THE CASE OF MACEDONIA</b> Assoc. Prof. Dr. Ivica Milevski, Faculty of Sciences, Ss. Cyril and Methodius University, Republic of Macedonia .....	97
<b>ERROR RECOGNITION IN VELOCITY MODEL BUILDING FOR PRESTAK KIRCHOFF DEPTH MIGATION USING RMO ANALYSIS</b> Dr. Maya Grigorova, University of Mining and geology “St. Ivan Rilski”, Bulgaria.....	105
<b>VELOCITY REDUCTION - A POINT IN VELOCITY MODEL BUILDING FOR PRE-STACK KIRCHOFF DEPTH MIGRATION</b> Dr. Maya Grigorova, University of Mining and geology “St. Ivan Rilski”, Bulgaria.....	113
<b>POSSIBILITIES OF GIS APPLICATION IN THE ORGANIZATION AND PRESENTATION OF TOURISM POTENTIALS - CASE STUDY OF SARAJEVO</b> Dr. Sc. Nusret Dreskovic, Amra Banda, PhD student, Edin Hrelja, PhD student, Amina Sivac, University of Sarajevo, Faculty of Science, Department of Geography - Bosnia and Herzegovina.....	119
<b>TRANSFERABILITY OF GREENCITIES EXPERIENCES FOR SUSTAINABLE URBAN PLANNING</b> Dr. Riccardo Privitera, Dr. Daniele La Rosa, Department of Civil Engineering and Architecture, University of Catania, Italy .....	127
<b>THE ABILITY OF IMPROVING GIS MAP MODELING</b> Associate Prof. dr Aleksandar Valjarević, Full. Prof. dr Dragica Živković, University of Kosovska Mitrovica Natural Science Faculty Department of Geography - Serbia .....	135
<b>THE POSSIBILITIES OF GIS DATABASE APPLICATION IN CHOSEN PRESENTATIONS OF REGIONAL GEOGRAPHIC CONTENTS IN THE PROCESS OF GEOGRAPHIC EDUCATION IN PRIMARY AND SECONDARY SCHOOLS IN BOSNIA AND HERZEGOVINA</b> Dr. Sc. Nusret Drešković, Dr. Sc. Ranko Mirić, Dr. Sc. Alma Pobrić, Boris Avdić, PhD student, University of Sarajevo, Faculty of Science, Department of Geography – Bosnia and Herzegovina.....	141
<b>SELF-ORGANIZATION OF GEOSYSTEMS. IS THERE AND TO WHAT EXTENT?</b> Assoc. Prof. Dr. Vasile Zotic, Dr. Diana-Elena Alexandru, Babeş-Bolyai University, Centre for Research on Settlements and Urbanism, Cluj-Napoca, Romania ..	149
<b>ON THE RELATIONSHIP BETWEEN GEOSYSTEMIC SELF-ORGANIZATION AND SPATIAL PLANNING</b> Assoc. Prof. Dr. Vasile Zotic, Dr. Diana-Elena Alexandru, Babeş-Bolyai University, Centre for Research on Settlements and Urbanism, Cluj-Napoca, Romania ..	159

**WRF SIMULATION OF TORNADO DEVELOPMENT: A CASE STUDY IN TUZLA,  
ISTANBUL**

Kübra Ağaç, Nilcan Akataş, Assoc. Prof. Dr. Ali Deniz,  
Istanbul Technical University, Faculty of Aeronautics and Astronautics, İstanbul, Turkey ..... 169

**SYNOPTIC ANALYSIS OF THE FLASH FLOOD IN GÖKÇEADA/TURKEY BY USING MSG  
SATELLITE DATA AND WEATHER CHARTS**

Serhan YEŞİLKÖY, Dr. Ahmet ÖZTOPAL,  
Istanbul Technical University, Faculty of Astronautics and Aeronautics, Istanbul, Turkey ..... 177

**IMPACTS OF METEOROLOGICAL VARIABLES ON NET ECOSYSTEM EXCHANGE OF  
WINTER WHEAT**

Serhan Yeşilköy, Prof. Dr. Levent Şaylan, Ass. Prof. Dr. Barış Çaldağ,  
Atatürk Soil, Water and Agricultural Meteorology Research Station Directorate, Kırklareli/Turkey ..... 185

**QUALITY OF THE ENVIRONMENT IN MOUNTAIN AREAS AND SUSTAINABLE USE OF  
MOUNTAIN RESOURCES**

Dr. Olgica Dimitrovska, Dr. Ivan Radevski, Dr. Svemir Gorin, Dr. Milena Taleska  
Ss. "Cyril and Methodius" University, Faculty of Natural Sciences and Mathematics,  
Institute of Geography, Skopje, Republic of Macedonia..... 193

**SOCIO ECONOMIC GEOGRAPHY;  
TEACHNIG & EDUCATION IN GEOGRAPHY**

**DEMOGRAPHIC SITUATION IN RURAL AREAS  
OF REPUBLIC OF BULGARIA IN 21 CENTURY**

Assoc. Prof. Dr. Toni Traykov, Assoc. Prof. Dr. Kliment Naydenov,  
Sofia University "St. Kliment Ohridski", Bulgaria ..... 201

**DEMOGRAPHIC SITUATION IN URBAN AREAS  
OF REPUBLIC OF BULGARIA IN THE LAST 25 YEARS**

Assoc. Prof. Dr. Kliment Naydenov, Assoc. Prof. Dr. Toni Traykov,  
Sofia University "St. Kliment Ohridski", Bulgaria ..... 209

**REGIONAL DIFFERENCES BETWEEN COMMUTERS IN SERBIA  
ON THE BEGINNING OF THE 21<sup>st</sup> CENTURY**

Associate Prof. Dr. Tamara Lukić, Dr. Bojan Đerčan, Associate Prof. Dr. Milka Bubalo-Živković,  
University of Novi Sad, Faculty of Sciences, Serbia..... 217

**IN THE GARDEN OF "GEOGRAPHIC LITERACY"**

Assist. Prof. Maya Vasileva, Assist. Prof. Dr. Georgi Kotseff, Assist. Prof. Dessislava Poleganova,  
Sofia University "St. Kliment Ohridski", Faculty of Geology and Geography, Sofia, Bulgaria..... 225

**DEMOGRAPHIC DEVELOPMENTS IN FIER REGION DURING THE TRANSITION PEROID**

Assoc. Prof. Valbona Duri, Phd. Adela Dhromaj,  
"E.Cabej" University, Gjirokaster, Albania ..... 231

**DEPOPULATION IN NORTHERN MONTENEGRO CAUSES AND CONSEQUENCES**

Dragica Mijanović,  
Study program of Geography, Faculty of Philosophy in Niksic, Montenegro ..... 239

<b>TOURISTS' SHOPPING SATISFACTION IN ISTANBUL'S TRADITIONAL MARKETS</b>	
Ass. Prof. Dr. Istvan Egresi, Fatih University, Istanbul, Turkey .....	247
<b>EMIGRATION FROM VOJVODINA PROVINCE</b>	
Ass. Prof. Dr. Milka Bubalo-Živković, Ass. Prof. Dr. Tamara Lukić, Dr Bojan Đerčan, University of Novi Sad, Faculty of Science .....	255
<b>GEO-TOURISTIC STUDY OF THE ALBANIAN IONIAN COASTLINE</b>	
Doc. PhD. Gentian Ruspi Department of Geography, University "Eqrem Çabej", Gjirokastra, Albania.....	263
<b>YOUTH EMPLOYMENT IN THE REPUBLIC OF SERBIA</b>	
Msc Natalija Mirić, University of Belgrade, Faculty of Geography, Serbia .....	271
<b>COMMUNAL HYGIENE OF A PART OF THE URBAN AREA OF REPUBLIC OF SRPSKA</b>	
Dr Čedomir Crnogorac, PhD, Dr Vesna Rajčević, Faculty of Sciences, University of Banja Luka .....	279
<b>Tourism planning by testing seasonality: regional approach</b>	
Biljana Petrevska, Faculty of Tourism and Business Logistics, Goce Delcev University - Stip, Macedonia .....	287
<b>PLANNING TOURISM DEVELOPMENT IN REGIONAL FRAMES</b>	
Biljana Petrevska, Saso Kjosev, Faculty of Tourism and Business Logistics, Goce Delcev University - Stip, Macedonia .....	293
<b>SULINA (ROMANIA) -EUROPEAN MODEL OF ETHNIC AND RELIGIOUS COHABITATION</b>	
Prof. Dr. Gheorghe Romanescu, Prof. Dr. Vasile Efros, Alexandru Ioan Cuza University of Iasi, Faculty of Geography and Geology, Iasi, Romania .....	301
<b>GEOSTRATEGIC HYPOTHESES FOR INTEGRATION AND DISINTEGRATION IN THE FUTURE OF THE REPUBLIC OF MACEDONIA</b>	
Prof. Dr. Sc. Dimitrina Naneva, SU "St. Kliment Ohridski", Bulgaria .....	315
<b>THE IMPORTANCE OF NATURAL ELEMENTS FOR THE DEVELOPMENT OF TOURISM IN NEGORSKA SPA - GEVGELIJA IN MACEDONIA</b>	
PhD Koteski Cane, Prof. Dr. Nikola V. Dimitrov, Prof. Dr. Zlatko Jakovlev, Faculty Tourism and Business Logistics – University „Goce Delchev“- Stip, Macedonia .....	319
<b>TERRITORIAL VARIATIONS OF RECENT ELECTIONS RESULTS IN BOSNIA AND HERZEGOVINA AS A FACTOR OF ITS MODERN POLITICAL-GEOGRAPHIC DEVELOPMENT</b>	
Dr. Sc. Ranko Mirić, Boris Avdić, MA, Amra Banda, PhD student, Amina Sivac, assistant, University of Sarajevo, Faculty of Science, Department of Geography – Bosnia and Herzegovina.....	325
<b>IMPACT OF ALBANIAN AGRICULTURAL REFORMS IN GJIROKASTRA REGION</b>	
Ass. Prof. Dr. Albina Sinani, "Eqrem Çabej" University, Department of Geography, Gjirokastër, Albania.....	333
<b>EVOLUTION OF RURAL AND URBAN POPULATION IN SOUTHERN ALBANIA</b>	
Ass. Prof. Dr. Albina Sinani, "Eqrem Çabej" University, Department of Geography, Gjirokastër, Albania.....	347

<b>MANAGEMENT ROLE IN DEVELOPMENT OF TOURISM, KOSOVO CASE</b> Halil Halili, MEDITERAN University, Kosovo .....	355
<b>WHEN ISLAMIZATION MEETS (WESTERNIZED) NEOLIBERALIZATION. A META-ETHNOGRAPHY OF NIGHTLIFE IN POST-SOCIALIST SARAJEVO</b> Dr. Jordi Nofre, Mr. Jordi Martín-Díaz, New University of Lisbon, Portugal.....	363
<b>GEOMORPHOLOGICAL RISKS, SUBURBANISATION AND NEOLIBERALISATION OF THE URBAN SPACE IN POST-WAR SARAJEVO</b> Mr. Jordi Martín-Díaz, Dr. Jordi Nofre, Dr. Marc Oliva, Mr. Pedro Palma, University of Barcelona, Spain.....	371
<b>TERRITORIAL CONSOLIDATION REFORMS – EUROPEAN EXPERIENCES OF 21ST CENTURY</b> Prof. Paweł Swianiewicz, University of Warsaw, Department of Local Development and Policy, Faculty of Geography and Regional Studies, Poland.....	379
<b>REGIONAL DISPARITIES IN SLOVAKIA IN TERMS OF DEMOGRAPHIC INDICATORS</b> RNDr. Gabriela Repaská, PhD,RNDr. Katarína Vilinová, PhD, RNDr. Jana Némethová, PhD, Doc. RNDr. Alena Dubcová, CSc, Constantine the Philosopher University in Nitra, Faculty of Natural Sciences, Department of Geography and Regional Development, Slovakia.....	389
<b>GEOGRAPHICAL PATTERNS OF CULTURAL VALUES, ENTREPRENEURSHIP AND ECONOMIC DEVELOPMENT</b> Associate Professor Dr. Riste Temjanovski, Assistant Professor Dr. Tamara Jovanov Marjanova, Goce Delcev" University – Faculty of Economics, Stip, Republic of Macedonia .....	397
<b>THE EFFECTS OF CHANGING INTERNATIONAL POLITICAL ECONOMY TO MACEDONIAN FOREIGN TRADE</b> Ass. Prof. Dr. M.Ozan Sarayi, Ass. Prof. Dr. Sukru Inani, Inonu University - Department of Economics, Turkey .....	405
<b>SOCIO-GEOGRAPHIC CHARACTERISTICS OF THE ALBANIAN FAMILY DURING THE TRANSITION PERIOD (IN THE SOUTH OF ALBANIA)</b> Assoc. Prof. Dr. Valbona Duri, “E.Çabej” University, Gjirokaster, Albania .....	413
<b>CHANGES IN FUNCTIONAL USE OF DISPERSED SETTLEMENTS IN SLOVAKIA (CASE STUDY NOVOBANSKÁ ŠTÁLOVÁ AREA)</b> RNDr. Lucia Šolcová, PhD, RNDr. Magdaléna Nemčíková, PhD, RNDr. PaedDr. Ján Veselovský, PhD, RNDr. Hilda Kramáreková, PhD, Constantine the Philosopher University in Nitra, Faculty of Natural Sciences, Department of Geography and Regional Development, Slovakia .....	419
<b>ANALYSIS OF SELECTED INDICATORS OF POVERTY IN THE V4 COUNTRIES</b> RNDr. PaedDr. Ján Veselovský, PhD, RNDr. Magdaléna Nemčíková, PhD, RNDr. Lucia Šolcová, PhD, RNDr. Hilda Kramáreková, PhD, Constantine the Philosopher University in Nitra, Faculty of Natural Sciences, Department of Geography and Regional Development, Slovakia .....	427

<b>BUSINESS ENVIRONMENT FACTORS AND BUSINESS PERFORMANCE: THE CASE OF MACEDONIA – A DEVELOPING ECONOMY</b>	
Assistant Professor Dr. Tamara Jovanov Marjanova, Associate Professor Dr. Riste Temjanovski, Goce Delcev" University – Faculty of Economics, Stip, Republic of Macedonia .....	435
<b>THE INFLUENCE OF TRANSIT TOURISTS TOWARDS THE DEVELOPMENT OF HOSPITALITY IN THE SOUTHEASTERN REGION</b>	
M.Sc. Cvetanka Ristova, Ass. Prof. Ph.D. Tanja Angelkova Petkova, Goce Delcev" University – Stip, Faculty of tourism and business logistics, Republic of Macedonia .....	443
<b>THE SPATIAL “RESPONSE” OF THE TRANSITION: THE CASE OF BULGARIA</b>	
Assoc. Prof. Dr. Stelian Dimitrov, Elena Todorova, Sofia University “St. Kliment Ohridski”, Bulgaria .....	451
<b>TRANSITIVE AS FUNCTIONAL MARK OF THE TOURISTIC LOCATION OF REPUBLIC OF MACEDONIA AS PRECONDITION FOR DEVELOPING TRANSIT TOURISM</b>	
Ass. Prof. Ph.D. Tanja Angelkova Petkova, M.Sc. Cvetanka Ristova, Goce Delcev" University – Stip, Faculty of tourism and business logistics, Republic of Macedonia .....	457
<b>WHAT IS THE INFLUENCE OF ACTIVELY ENGAGING STUDENTS WITH LEARNING PROCESS ON STUDENTS’ SUCCESS? AN EXPERIMENTAL RESEARCH IN GEOGRAPHY EDUCATION</b>	
Assoc. Prof. Dr. Fikret TUNA, Fatih University, Dept. of Geography, Istanbul – Turkey .....	465
<b>REGENERATION OF INDUSTRIAL HERITAGE IN TERMS OF SUSTAINABLE TOURISM DEVELOPMENT</b>	
Ass. Prof. Dr. Nevena Ćurčić, Doc. Dr. Vuk Garača, Doc. Dr. Svetlana Vukosav, Doc. Dr. Milan Bradić, University of Novi Sad, Faculty of Sciences, Novi Sad, Serbia.....	471
<b>LIKE IT NEVER HAPPENED: TEACHING POST-SOCIALISM IN K-12 GEOGRAPHY 25 YEARS AFTER 1989</b>	
Prof. Dr. Péter Bagoly-Simó Humboldt-Universität zu Berlin, Germany .....	479
<b>ASSESSMENT OF THE CONDITIONS FOR THE DEVELOPMENT OF SPA TOURISM IN THE REPUBLIC OF MACEDONIA</b>	
Dr. Milena Taleska, Dr. Svetmir Gorin, Dr. Ivan Radevski, Dr. Olgica Dimitrovska, Department of Geography, Faculty of Natural Sciences and Mathematics, Sts. Cyril and Methodius University, Skopje, Republic of Macedonia .....	487
<b>INDUSTRIAL HERITAGE OF NOVI SAD IN THE FUNCTION OF INDUSTRIAL TOURISM: THE CREATION OF NEW TOURIST PRODUCTS</b>	
Doc. Dr. Svetlana Vukosav, Doc. Dr. Vuk Garača, Ass. Prof. Dr. Nevena Ćurčić, Doc. Dr. Milan Bradić University of Novi Sad, Faculty of Sciences, Novi Sad, Serbia.....	495
<b>CANCER MORTALITY AND INCIDENCE IN SLOVAKIA AND THEIR SPATIAL SPECIFICS</b>	
RNDr. Katarína Vilinová, PhD. RNDr. Gabriela Repaská, PhD. Doc. RNDr. Alena Dubcová, CSc. RNDr. Jana Némethová, PhD. Constantine the Philosopher University in Nitra, Faculty of Natural Sciences, Department of Geography and Regional Development, Slovakia .....	503
<b>THE GEOGRAPHY OF MONEY REGIONAL - GEOGRAPHIC CONCENTRATION AND FUNCTIONALITY OF THE MONEY IN THE WORLD</b>	
Blagoja Markoski, PhD, University "Ss. Cyril and Methodius ", Faculty of Natural Sciences and Mathematics, Institute of Geography – Skopje, Republic of Macedonia.....	511