



Valahia University of Targoviste



Romanian Limnogeographical Association



University of Bucharest  
Faculty of Geography



Institute of Geography



2<sup>nd</sup> International Conference

# **GEOGRAPHY ENVIRONMENT and GIS**

for students and young researchers 21-23 May 2015 - Târgoviste (Romania)



## Programme and Book of Abstracts

EDITORS: DANUT TANISLAV, PETRE BRETCAN,  
ANDRA COSTACHE, GEORGE MURATOREANU

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Transversal

2<sup>nd</sup> International Conference

***Geography,  
Environment and GIS***

for students and young researchers  
21-23 May 2015 – Targoviste (Romania)

**Programme  
and  
Book of Abstracts**

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## PROGRAMME

### 20 May 2015

Arrivals of participants, transfer Bucharest airport - Targoviste, accommodation

### 21 May 2015

8:00–10:00 Registration

10:00–10:45 Opening ceremony – Official addressing

Mr. Călin Oros, Rector of Valahia University of Targoviste (Romania)

Mr. Petre Gâștescu, President of Romanian Limnogeographical Association (Romania)

Mr. Dan Balteanu, Director of Institute of Geography, Bucharest (Romania)

Ms. Liliana Zaharia, University of Bucharest, Faculty of Geography (Romania)

Mr. Constantin Pehoiu, Valahia University of Targoviste (Romania)

Mr. Zeineddine Nouaceur, University of Rouen (France)

Ms. Norhanis Diyana Nizarudin, University of Edinburgh (UK)

Mr. Cem Tokatli, Trakya University (Turkey)

Ms. Oana Ionuș, University of Craiova (Romania)

Mr. Pavel Kadlečík, Institute of Rock Structure and Mechanics (Czech Republic)

Ms. Simona Caprarescu, Politehnica University of Bucharest (Romania)

Mr. Marek Zoladek, Pedagogical University Of Cracow (Poland)

10:45-12:00 Plenary session

Keynote speakers: Petre Gâștescu

Keynote speakers: Dan Bălțeanu

Keynote speakers: Liliana Zaharia

Keynote speakers: Zeineddine Nouaceur

12:00-12:30 Coffee break

12:30-15:00 Oral presentation - Parallel sessions

15:00-16:00 Poster session

**22 May 2015**

Field trip - Prahova Valley

**23 May 2015**

Closing ceremony and departure

# Keynote speakers

## PETRE GÂȘTESCU



**Prof. Petre Gâștescu, PhD**, was born on the 13<sup>th</sup> of November 1931, at Soci village, Miroslăvești commune, Iași County; the secondary education was done in Iași (Veniamin Costachi Seminary) and the high school from Pașcani; university education at the **Geology-Geography Faculty, Geography department of Bucharest University**, graduated with honor (**merit diploma**) in 1955; he defended his **doctoral thesis** with on topic **“Lacurile din România-geneză și regim hidrologic”** (The Lakes of Romania – genesis and hydrologic regime), at the University of Cluj in 1961, and obtained the title of **PhD (dr.habil)** defending the thesis **“Lacurile din România-limnologie regională”** (The Lakes from Romania – Regional Limnology), 1971 at the same university. Research activity from 1955 until 2014 at the Hydrometeorological General Management (1955-1958) and at the **Geography Institute of Romanian Academy (1958-2001)**, at present he is a partner researcher. Educational activity at **“Valahia” University** from Targoviste, where he had been appointed in 1994, at

**Hyperion University** in Bucharest, where he has been appointed since 2004, at the **University from Bucharest** as associate professor (since 1994).

During the over 60 years of scientific and teaching activity from 1955 until 2015, the professor Petre Gâștescu has consistently promoted the scientific research in the domain of **hydrology**, and especially, in **limnology**, diversifying at the same time the preoccupations related to the **Danube river**, the **Danube Delta** and **Black Sea coast**. Being a very good organizer, first of the research team and of the physical geography laboratory and then of the Institute of Geography, and at the same time a researcher, he managed to extend the area of scientific preoccupations and at the same time to competently and professionally continue and valorize the already existing research. The numerous issues he has researched can be grouped into several important directions (limnology-genesis of the lake depressions, hydrological balance and regime thermal and hydrochemical features, lake ecosystem, limnological type and problems of terminology; hydrogeography and regional research).

He is a Charter Member and **Chairman of the Romanian Limnogeographical Association** (2008), Charter **Member of the Danube Delta Biosphere Reservation**, publishing the synthesis paper – The Danube Delta – a Biosphere Reservation, co-editor with Eng. Romulus Știucă (2006, 2008). He took part to number of international hydrology,

geography symposiums, conferences and congresses, being a member in speciality committees of the **Geography International Union** and **Hydrology International Scientific Association (IHSA)**.

He published more than 300 scientific works (books, articles, maps) in prestigious speciality magazines in Romania and abroad. He coordinated the drawing up of fundamental works in the framework of the **Geography Institute**, such as: **The Romanian Danube Valley Geography (1969)**, **Romanian Atlas (1972 – 1978)**, **Romania Geography (1983 – 2005)** **The Country County Collection** (41 volumes) and other paper works published in the Romanian Academy Publishing House. He published many courses (to see the list of the paper works) for the university geographical educational system.

Some of the works such as **Lacurile pe glob** (Lakes of the world-1969), **Lacurile Terrei** (Terra Lakes in many issues ,1979, 2002, 2006, 2008), **Insulele Terrei** (Terra Isles-1986, 2030, 2013), **Fluviile Terrei** (Terra Rivers- 1990, 2002, 2009), have a great audience geographical information message. We can add to these works the 5 issues of **the Danube Delta Touristic Map** and **Rezervația Biosferei Delta Dunării - ghidul vizitatorului** (Danube Delta Biosphere Reserve-visitor's guide, 2011), in collaboration with Ph in Eng. Grigore Baboianu– the Governor of the Danube Delta Biosphere Reservation, at that date, **Ghidul vizitatorului zonei pontice a R.B.D.D.** (Visitor's Guide for the Pontic area of D.D.B.R., 2013). He is a member of some scientific societies (Geography – Romania and Italy, Ecology), commissions, editorial boards of the academic speciality journals.

**Doctoral Advisor since 1972** -since present, **36 students** – geographers, engineers had got their **Ph.D. title** under his guidance. He had been granted many awards, such as – the medal **The Scientific Merit** (1966), **the prize of “Gheorghe Murgoci” Romanian Academy (1971)**, member of “Research Board Advisors of the American Biographical Institute” (2000), the title of **Honour Professor of “Alexandru Ioan Cuza”** from Iasi (2001) and the diploma of excellence and the medal of the same university on the occasion of the Geographical Academic Education Centenary (2004), **Doctor Honoris Causa of “Stefan cel Mare” University** from Suceava (2002) and of **“Valahia” University** from Targoviste (2007), **“Simion Mehedinți” diploma of excellence and medal – Geography Faculty of Bucharest University, Honour Professor-University Hyperion (2013)**, another diplomas of excellence from Romanian universities and research institutes.

#### DAN BĂLTEANU



**Prof. Dan Balteanu** is the Director of the Institute of Geography, Member of the Romanian Academy, Chair of the National Geographical Committee and Chair of the Romanian National Committee on Global Environmental Change. He is a senior

researcher and a PhD supervisor at the Institute of Geography, and associate professor at the University of Bucharest, his research field being geomorphology, environmental change and natural & technological hazards. He published over 24 volumes (as author or editor), and over 180 scientific papers, many of them referring to the global change issues. Prof. Balteanu coordinated several national and international projects on the field of environmental sciences: FP6 and FP7 projects (Romanian coordinator), NATO, ESTROM and UNEP projects.

#### LILIANA ZAHARIA



**Prof. Liliana Zaharia** is a Bachelor of Geology – Geography Department of Bucharest University, specialization Geography – French Language since 1986. Within 1986 – 1989, she was a teacher of Geography and French at the Industrial Secondary School no 3 of from Buzau, and within 1989 – 1992, she activated as a hydrologist researcher at the National Institute of Meteorology and Hydrology from Bucharest. Since the autumn of 1992, she occupied the post of assistant lecturer at the Geography Faculty of Bucharest University, Department of Meteorology – Hydrology,

where, starting from 2006, she has got the degree of university professor. She is a Doctor in Geography since 1997. Within 2000 – 2002, she attended the post-graduate course “Hydrology and Water Resources Management” organized in Switzerland, by the Polytechnic Schools from Lausanne and Zurich (EPFL and ETH) and the University from Neuchâtel. Since 2007, she has been a doctoral advisor, and since 2006, she is the director of the research center “Landscape and Water Resources Management”, which became in 2011 the research center “The Water Resources and Water Related Risks Management”. In the framework of the Geography Department, she teaches courses and practical works at water-related disciplines (*General Hydrology, Frequential Hydrology, Hydrological Risks*, etc.). She carries out research activities in the field of the continental hydrology, water resources management, water related risks. The research activity results have been published in scientific books and articles (8 books/book chapters; more than 100 paper/abstracts in scientific journals and conferences abstract volumes) and have been presented at national and international scientific reunions (more than 100 presentations at international conferences). She coordinated 3 research projects at national level and 4 international projects/grants and she was a member of the research teams of 14 national projects and 1 international project. The most representative of the paper works she is author or co-author are: *The Water Resources of Putna River Basin. A Hydrology Study (Resursele de apă din bazinul râului Putna. Studiu de hidrologie)* (1999); *Hydrology*



(Hidrologie)(2001, 2002); *Hydro-geomorphological Systems in the Romanian Plain. Hazard – Vulnerability – Risk (Sisteme hidrogeomorfologice din Câmpia Română. Hazard - vulnerabilitate – risc (2012); chapters The Waters (Apele) and Hydrological Hazards (Hazarde hidrologice), in the volume The Natural Hazards in the Carpathians and Sub-Carpathians between Trotuș and Teleajen. A Geographical Study (Hazardele naturale din Carpații și Subcarpații dintre Trotuș și Teleajen. Studiu geografic) (2005), coordinated by Sandu Maria and Bălțeanu Dan; chapter Sediment Transport and River Channel Dynamics in Romania – Variability and Control Factors in Sediment Transport in Aquatic environments (2011), editor Andrew J. Manning; chapter Romanian Danube River Management: Impacts and Perspectives, in the paper work European Continental Hydrosystems under Changing Water Policy (2013), editors G. Arnaud-Fassetta, E. Masson & E. Reynard.*

## ZEINEDDINE NOUACEUR



**Zeineddine NOUACEUR** is part of IDEAS team - ROUEN - UMR CNRS 6266 (Identity and Differentiation of Space, Environment and Companies).

It is incumbent Senior Lecturer at the University of Rouen in France. He also worked as a teacher - researcher at the University of Algiers in Algeria, at the university of Nouakchott in Mauritania and at the university of La Rochelle in France.

He headed the Department of Geography at the University of Rouen from 2008 to 2010 (as a co-director) and from 2010-2013 (as a director). Currently, he chairs the Association of Geographers of Upper Normandy.

Physicist geographe by training, he holds a postgraduate doctorate in air pollution and a PHD in climatology. He is also a specialist in the study of climate change in sub-Saharan and North Africa. He also works on vulnerability and adaptation of African cities to current climate change.

Since 2009, he actively participates and coordinates research projects (Volubilis, Tassili, Utica and Maghreb PHC) on water resources management and climat variability in North Africa. He is also co-founder of the network and of the revue "Water and Climate in the Maghreb"

# Introductory Keynote Presentation

## THE LAKES ON THE ROMANIAN BLACK SEA COAST – ANTHROPIC MODIFICATIONS AND STATE-OF-THE-ART

Petre GĂȘTESCU<sup>1</sup>, Petre BREȚCAN<sup>2</sup>, Dacian TEODORESCU<sup>3</sup>

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Bucharest, Romania, Email: gastescu\_petre@yahoo.com

<sup>2</sup> Valahia University of Targoviste, Department of Geography, Romania

<sup>3</sup> Dobrogea-litoral Water Basin Administration, Romania

### Abstract

Unlike other regions in Romania, the lakes in Dobrogea are marginally positioned – closely connected to the presence of the Danube on two fronts, to the west and north, and that of the Black Sea, on the east. This characteristic/position is the result of paleogeographic evolution in Quaternary and the current climatic conditions in Dobrogea. The paleogeographical evolution in the Quaternary resulted in the formation of several depressions at the edges of dry land, where fresh and salt/sea water accumulated. The lakes on the Romanian coastline are grouped into two types of genetic depressions, a fact partially reflected in the hydrological and physicochemical properties of these – *fluvial-marine limans and marine lagoons*. Of the limans, we can mention the largest – *Babadag*, grafted into the united valley of the two rivers of Northern Dobrogea, Taita and Telita, situated on the western side of the *Razim-Sinoie lagoon* (the largest lacustrine complex from Romania), *Tasaul*, initially at the mouth of the river Casimcea, draining into the Black Sea *Techirghiol*, after the union of the two tributaries, Urlichioi (Derea) and Biruinta, Tatlageac, at the end of the Dulcesti (Tatlageac) Valley, and *Mangalia*, in Albesti Valley. Of the lagoons, the most notable, by surface area, are the lake complex of Razim-Sinoie, followed by Siutghiol, to which we can add the old *marsh* of *Comorova* (through draining, resulting in three recreational lakes-*Neptun, Cozia, Jupiter*) and the *Herghelia-Mangalia marsh*. In relation to the size of the drainage basin, subterranean water sources, links to coastal marine waters, and the semiarid, temperate-continental climate of Dobrogea, in natural conditions, the spectrum of the chemical composition-mineralisation gradient of the water lakes has varied and still varies from that of *fresh water, brackish water, salty water and hypersalty water*. Anthropogenic interventions on the lacustrine area, the drainage basins and the links to coastal marine waters, have resulted in significant modifications in the structure of the lacustrine ecosystems, depending on the purpose of their use.

**Keywords:** Black Sea coast, lakes, Razim-Sinoie, Techirghiol, Siutghiol.

## **GEOGRAPHY AND ENVIRONMENTAL CHANGE RESEARCH**

**Dan BĂLTEANU**

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### **Abstract**

Global environmental issues, closely related to human activities, have become a focal concern for Geography after the 27<sup>th</sup> IGU Congress held in Washington D. C. (1992). Two decades later, a new international research platform on "Future Earth – research for global sustainability" launched at the Rio+20 Conference (2012), was scheduled to become effective between 2015 - 2025. This research has three targets in view:

- A dynamic Planet for the integrated assessment of interaction between the natural and the social components;
- Global development for the balanced use of food, water, health and energy resources;
- Change for sustainable development, implying the establishment of a global environment co-ordination strategy (Future Earth Newsletter, 2012). The International Geographical Union has formally announced maintaining this platform and involvement in various research activities within the framework of the 41 specialist commissions.

This outline makes a selection of some significant projects for the interdisciplinary scientific research-work of the new generation of geographers.

**Keywords:** global environmental change, Future Earth, new generation of geographers.

## **FLOOD VULNERABILITY INDICATORS. CASE STUDY: TECUCI CITY (ROMANIA)**

**Liliana ZAHARIA**

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### **Abstract**

Flood risk mitigation is one of the main priorities in sustainable development strategies, from large (e.g. European, national) to local (commune, town) spatial scales. In order to reduce the flood risk, it is necessary to take measures and actions concerning, on the one hand, the hazard (the flood), and, on the other, the vulnerability, that expresses the characteristics and circumstances of a community or system that make it susceptible to the damaging effects of floods. The vulnerability is determined by a multitude of factors (physical-geographic,

social, economic, institutional, political, cultural etc.), which act both directly and indirectly, independently or in interaction and which vary in space and time. This paper aims to present some indicators/factors that can be considered in the analysis of vulnerability to flooding on the scale of an administrative-territorial unit or region. We have presented the example of Tecuci City (about 35,000 inhabitants), which in September 2007 was seriously affected by a catastrophic flood that induced significant social and economic consequences: 3 fatalities; 2210 houses damaged, of which 392 were completely destroyed and 425 suffered serious structural damage; city's infrastructure gravely deteriorated. This event has constituted the argument for the analysis undertaken, in order to identify the factors making Tecuci City vulnerable to flooding. The indicators considered have been grouped into three major categories: natural, social and of economic development. In the category of the natural ones, we have analyzed the indicators related to: hydrological features (parameters of the hydrographic network, of the maximum flow, of the floods), meteorological features (maximum precipitations in 24 hours, heavy rains), and geomorphological features (hypsoetry, slopes). As social indicators, we have considered the parameters related to: demography (density, dynamics of the population), structure of the population (on genders, age groups, ethnic groups, professions, etc.), education level, dwellings and their endowments, number of sanitary institutions etc. The economic development indicators include parameters concerning: land use/cover, economic activities, transport and public utilities network, engineering techniques for protecting against flooding. The indicators/parameters analyzed have been determined using specific methods (mainly statistical and GIS-based analyses), through the processing of the hydro-climatic, spatial (topographic, DEM), demographic, economic data, obtained from bibliographic sources, from specialized institutions, from databases / web sources and using our own field investigations. To know the flood vulnerability factors/indicators allows the vulnerability assessment, which constitutes an essential premise for estimating the flood related risk, in order to adopt adequate measures to mitigate it.

**Keywords:** flood risk; vulnerability; natural, social and economic indicators; Tecuci City.

# THE NEW CHALLENGE OF PUBLIC HEALTH IN FRANCE AND AROUND THE WORLD "THE PARTICLE POLLUTION "

**Zeineddine NOUACEUR**

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## **Abstract**

In recent years there has been a renewed scientific interest for the particulate pollution in France. The Very high levels of airborne particles in urban atmospheres, are responsible of serious human health problem (asthma and bronchopulmonary diseases) that can sometimes lead to death in the most vulnerable people. Historical monuments are also exposed to this form of pollution, the action of the particles is very harmful on the rocks and the materials that make up these buildings (direct effect of acidic compounds in the limestone and marble). These pollutants are grouped in the category of atmospheric aerosols that represent an entities in solid or liquid suspended in the atmosphere, to the exclusion of water droplets and ice crystals of clouds and mists (WCP-12, 1980) . These components have a significant role on the global radiation balance of the Earth. The eruption of Mount Pinatubo has lowered the average temperature of the earth from January to January, 5°C, for nearly two years. Atmospheric aerosols have a dual origin:

- An anthropogenic origin resulting from human activity:
- Primary particle from the combustion (Industries, vehicles).
- Secondary Particle (transformation into the atmosphere of chemicals, the most typical example is the transformation of nitrogen dioxide and ammonia-which comes mainly from agricultural activity - ammonium nitrate).
- An natural origin process which result from erosion processes (wind dust coming from the desert regions are part of this category), evaporation, volcanic eruption and natural burning on the surface of the Earth.

This diversity reflects a wide variation in composition, shapes, physical and chemical properties and particle size. This paper aims to show the characteristics of this form of pollution that is today in France and in the world a major public health issue..

**Keywords:** Pollution, Particle, PM10, Public Health.

# ORAL PRESENTATIONS

## Section A

**Chairpersons:** Simona Căprărescu, Madalina Franculeasa, Cem Tokatli

TOURISM TRANSFORMATION OF MIYAR VALLEY

**PhDs. Marek Zoladek** (Poland)

SYSTEMATIC OBSERVATION WITH BEHAVIOUR MAPPING: THE INTERCULTURAL USE OF URBAN MOSQUE OPEN SPACES IN KUALA LUMPUR, MALAYSIA

**PhDs. Norhanis Diyana Nizarudin** (United Kingdom)

SEDIMENT QUALITY ASSESSMENT OF A SIGNIFICANT WETLAND IN TURKEY BY A STATISTICAL AND GIS PERSPECTIVE: GALA LAKE NATIONAL PARK

**PhD. Cem Tokatli**, Esengül Köse, Alper Uğurluoğlu, Özgür Emiroğlu, Arzu Çiçek (Turkey)

TOWARDS A GEOSPATIAL APPROACH OF THE POPULATION, HEALTH AND ENVIRONMENT ISSUES IN AN URBAN AREA

**PhD. Maria Ioana Vlad-Sandru**, Corneliu Iatu (Romania)

SEASONAL WATER FLOW REGIME OF THE RIVERS FROM SUCEAVA HDROGRAPHIC BASIN IN THE PERIOD 1970 - 2010

**PhDs. Adriana Mihaela Porcuțan** (Romania)

DETERMINING THE MOISTURE CONTENT OF JATROPHA SEEDS, IODINE VALUE AND PEROXIDE VALUE OF JATROPHA OIL FOR ITS SUITABILITY AS FUEL IN AGRICULTURAL MACHINERY.

**PhDs. Fazal Um Min Allah** (Pakistan)

ON THE DETERMINATION OF FLOODING POTENTIAL ON CORCOVA VILLAGE, ROMANIA. IMPLEMENTING OF DIFFERENT GIS METHODS, BASED ON THE TOPOGRAPHICAL INPUT, HYDROLOGICAL MAXIMA AND FIELD OBSERVATIONS

**MSc. Gabriela Adina Moroșanu** (Romania)

A GIS APPROACH FOR DETERMINATION OF THE OPTIMUM BEEKEEPING DENSITY AND PRODUCTIVITY DURING TALH FLOW

**PhDs. Awad Mohamed Awad**, Ayman Ahmad Owayss, Hael Saeed Ahmed RAWEH, Abdulaziz Saad Alqarni (King Saudi Arabia)

A DIACHRONIC AND COLLECTIVE GIS PLATFORM – THE INNER CITY OF TIMIȘOARA

**Stud. Mihai-Mircea Moise** (Romania)

PROBLEMS AND OPPORTUNITIES REGARDING THE ECO-TOURISM RECOVERY OF THE ANTHROPOGENIC LAKES OF COLENTINA RIVER IN THE BUCHAREST SEGMENT

**PhDs. Andrei Ionel Berghes**, Livia Zaharia (Romania)

THE APPLICATION OF GIS TECHNIQUES IN THE ANALYSIS OF NATURAL AND ATHROPIC LANDSCAPE DYNAMICS WITHING DOFTANA CATCHMENT (PRAHOVA COUNTY)

Ligia Barbălată, **MSc. Alina Maria Duță** (Romania)

WEB GIS APPLICATION FOR VISUALISING, ANALYSING AND DATABASE MANAGEMENT REPRESENTING POPULATION STATISTICAL INDICATORS

**MSc. Daniela Rus** (Romania)

EVOLUTION OF THE MAIN GEODEMOGRAPHICAL CHARACTERISTICS DEPENDING ON THE GEOGRAPHICAL UNITS FROM THE REGION MOLDOVA

**PhDs. Iuliana-Valentina Negru (Mardale)** (Romania)

## **Section B**

**Chairpersons:** Ovidiu Murarescu, Oana Ionus, Mihaela Sencovici

TOURISTIC LANDSCAPE AND GEOSITES FROM OZANA - TOPOLIȚA (NEAMȚ) DEPRESSION

**PhDs. Constantin Ionuț Barbu**, Oana Nicoleta Drugan (Romania)

THE SERVICES OF GENERAL INTEREST FROM THE COVURLUI PLATEAU: THE IMPACT ON POPULATION

**PhDs. Oana Nicoleta Drugan**, Constantin Ionut Barbu (Romania)

SHERPAS IN HIGH TATRAS AS A TOURISTIC PHENOMENON. (ANALYSIS OF A SPECIFIC ALPINE PROFESSION AS A EUROPEAN ATTRACTION)

**PhD. Katarína Nováková Slobodová, PhD. Martin Priečko** (Slovak Republic)

MORPHOMETRICAL ANALYSIS OF THE PREAJBA VALEY LAKES (DOLJ COUNTY)

**MSc. Marga Avram** (Romania)

ASPECTS OF AGROMETEOROLOGICAL DROUGHT IN SUB-CARPATHIANS BETWEEN ARGES AND DAMBOVITA RIVERS VALLEYS

**MSc. Anca Calugaru** (Romania)

CONTRIBUTIONS TO THE DYNAMICS OF LAND USE IN SUD MUNTENIA REGION AFTER 1990

**MSc. Alexandra Mirica** (Romania)

THE EURO-ATLANTIC ATMOSPHERIC BLOCKING AND THE RISK METEOROLOGICAL PHENOMENA IN THE WINTER OF 2009-2010 IN MUNTENIA PLAIN

**Stud. Andreea Heracleea Macris** (Romania)

„THE INTANGIBLE CULTURAL HERITAGE -THE FLAG WITH HANDKERCHIEFS “GEAVRELE” TRADITION FROM MORTENI COMMUNE ”

**Stud. Claudia-Ana Iordache** (Romania)

THE PERIGLACIAR MODELLING CHARACTERISTICS IN BUCEGI MOUNTAINS

**Stud. Eliza Elena Chitanu** (Romania)

IMPORTANCE OF USING SWATCUP PROGRAM FOR SOIL AND WATER ASSESSMENT TOOLS (SWAT) SIMULATIONS

**MSc. Ömer Güngör** (Turkey)

THE CURRENT MORPHODYNAMICS IN THE UPPER SECTOR OF THE PRAHOVA VALLEY

**Stud. Andreea Soare** (Romania)

2013 SPRING FLOOD IN FILIAȘI-CRAIOVA SECTOR OF THE JIU RIVER: HYDROLOGICAL ANALYSIS AND SOICO-ECONOMIC IMPACT

**Stud. Mihaela Elena Dobre** (Romania)

LAKES AND PARKS DEGRADATION UNDER RESIDENTIAL SURFACES EXPANSION - PRIORITY AREAS FOR SUSTAINABLE URBAN DEVELOPMENT IN EASTERN CRAIOVA

**Stud. Marius Octavian Stoica** (Romania)

BUCEGI MOUNTAINS: DESCRIPTION OF THE MAIN HABITATS AND THEIR ROLE FOR THE LOCAL DEVELOPMENT

**Stud. Alexandru Anton** (Romania)

ENVIRONMENTAL EFFECTS OF THE HYDROTEHNICAL CONSTRUCTIONS ON THE ARGES RIVER

**MSc. Traian Bucurica** (Romania)

THE USE OF GIS IN THE MORPHOMETRIC ANALYSIS OF CEHLAU MASSIF

**MSc. Ionel Dumitru, Laurentiu Badescu** (Romania)



## POSTER SESSION

TREATMENT OF ORGANIC DYE FROM SYNTHETIC SOLUTIONS USING POLYMER MEMBRANES AND ELECTRODIALYSIS

**PhD. Simona Căprărescu**, Violeta Purcar, Anita-Laura Radu, Alexandra Raluca Miron, Daniela Ion-Ebrasu, Amalia Soare (Romania)

MOUNTAIN GLACIERS CHANGES – ENVIRONMENT AND HUMAN ACTIVITY – BASED ON SELECTED AREAS

**PhDs. Marek Zoladek** (Poland)

SATELLITE SAR DATA APPLICABILITY FOR SUBSIDENCE MONITORING IN UNDERMINED AREA, KARVINÁ, CZECH REPUBLIC

**PhDs. Kadlečík Pavel**, Marek Tomáš, Balek Jan, Kajzar Vlastimil, Wegmüller Urs (Czech Republic)

FORECASTING STUDY FOR zinc ION REMOVAL USING REACTIVE BARRIERS

**Stud. Cristina Kravvetz**, Cristina Modrogan, Alexandra Raluca Miron, Oanamari Daniela Orbulet (Romania)

STATUS OF FISHERY RESOURCES AND SOCIO-ECONOMIC CONDITION OF THE FISHERMEN COMMUNITY OF RIVER KULIK IN WEST BENGAL, INDIA

**PhD. Prithwiraj Jha** (India)

A GIS-BASED COMPARATIVE STUDY OF FREQUENCY RATIO AND BIVARIATE STATISTICS FOR LANDSLIDE SUSCEPTIBILITY MAPPING IN ȚÂȘLEI DRAINAGE BASIN, N ROMANIA.

**MSc. Cătălin Moldovan**, Andrei Sima, Adela Bolcaș, Horea Meleg (Romania)

PRECISE MONITORING OF DISPLACEMENTS USING DIFFERENT GEODETIC METHODS ON THE LANDSLIDE LOCALITY IN THE ČESKÉ STŘEDOHOŘÍ MTS., CZECH REPUBLIC

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