



Universitatea  
Ștefan cel Mare  
Suceava

## Forestry Faculty

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# Programme

Integrated Management of Environmental Resources Conference  
Suceava, November 4-6<sup>th</sup> 2011, ROMANIA

For additional information, please visit:  
<http://www.silvic.usv.ro/conference2011>

Integrated  
Management of  
Environmental Resources

Forestry Faculty  
SUCEAVA - ROMANIA



Suceava, November 4-6<sup>th</sup>, 2011

Conference web site: [www.silvic.usv.ro/conference2011](http://www.silvic.usv.ro/conference2011)

# Programme

Integrated Management of Environmental Resources – Suceava, November 4-6<sup>th</sup> 2011

## **November, 4<sup>th</sup> - Friday**

5.00 pm to 7.00 pm - Early registration at the secretariat desk

## **November, 5<sup>th</sup> - Saturday**

8:30 am - Registration and welcome (*E011 hall*)

9.30 am - Plenary session (*E building Auditorium*)

Oral presentation

11.00 am - Coffee break (*E011 hall*)

11.15 am - Scientific sessions - Oral presentation (*Auditorium / E132 / E230 halls*)

1.30 pm - Lunch (*E building Semi-basement*)

2.30 pm - Scientific sessions - Oral presentation (*Auditorium / E132 / E230 halls*)

4.30 pm - Coffee break (*E011 hall*)

4.30 pm - Posters presentation (*E011 hall*)

5.00 -5.30 pm - Plenary session - final discussions (*E building Auditorium*)

6.00 pm - Official dinner

## **November, 6<sup>th</sup> - Sunday**

9.00 am – Optional field trip in Bucovina region (*departure from University*)

# Plenary session

## **1. Effects of alterations of Romania's forestry stock area and structure on diurnal Lepidoptera - a GIS approach**

Cristina CRAIOVEANU, Andrei CRIȘAN, László RÁKOSY

Department of Taxonomy and Ecology, Babes-Bolyai University, Cluj-Napoca, Romania

## **2. Managing National Parks in the Czech Republic: Economic Analysis**

Petra HLAVÁČKOVÁ

Mendel University in Brno, Faculty of Forestry and Wood Technology, Czech Republic

## **3. Integrating environmental assessments in sustainable forest management**

Bogdan STRÂMBU

Louisiana Tech University, School of Forestry, USA

# Forest and Environment Protection session

## **Assessing the leaf gas exchange on *Platanus hybrida* seedlings**

Ionel BAN  
Bucharest Public Services Administration, Romania

## **The influence of rooting stimulants and soil on the rhizogenesis process of the *Buddleia davidii* and *Campis radicans* stools**

Ionel BAN  
Bucharest Public Services Administration, Romania

## **Ecological Reconstruction of the Forest Stands from the Southern Zone of the Republic of Moldova**

Alexei PALANCEAN, Victoria COVALI  
Free International University of Moldova, Chişinău, Republic of Moldova

## **Efficacy of some bio-insecticides and vegetal metabolites against fall webworm *Hyphantria cunea* Drury (F. Arctiidae - Lepidoptera) in the lab conditions**

BRUDEA Valentin, RÎŞCA Ioan-Marian, ENEA Cătălin, TOMESCU Cezar-Valentin  
"Stefan cel Mare" University of Suceava, Faculty of Forestry, Romania

## **Testing the ability of *Ips typographus* females to resume attacks in lab conditions**

Gabriela ISAIA<sup>1</sup>, Mihai-Leonard DUDUMAN<sup>2</sup>, Daniel UNGUREANU<sup>1</sup>, Marius PARASCHIV<sup>3</sup>  
1 "Transilvania" University of Brasov, Faculty of Silviculture and Forest Engineering, Romania  
2 "Stefan cel Mare" University of Suceava, Faculty of Forestry, Romania  
3 Forest Research and Management Institute Brasov, Romania

### **Monitoring seasonal flight activity of *Ips duplicatus* (Coleoptera, Curculionidae) using traps baited with two different synthetic pheromones**

Mihai-Leonard DUDUMAN<sup>1</sup>; Iuliana VASIAN<sup>2</sup>; Cristian ROTARIU<sup>3</sup>

1 - Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

2 - "Babeș-Bolyai" University of Cluj Napoca, "Raluca Rîpan" Chemistry Institute, Romania

3 - National Forest Administration, Forest Direction Suceava, Romania

### **Contributions Regarding Woods Fungi Attack In Some Forests From Suceava Department**

Margareta GRUDNICKI

"Ștefan cel Mare" University of Suceava, Faculty of Forestry, Romania

### **Pheromones of Romanian Production Used in the Forest Protection**

Ioan OPREAN

'Babes-Bolyai' University, 'Raluca-Ripan' Institutes for Research in Chemistry, Cluj-Napoca, Romania

### **The Influence of the Ecological Conditions upon the Red Deer Trophy Size in Suceava District**

Nicolae GOICEA, Nadia DĂNILĂ

Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

### **Aspects Regarding the Flora Diversity in the Stands situated on the Eastern Slope of Stanisoara Mountains**

Gabriel DĂNILĂ

Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

### **The Illegal Dumping of Waste in Forest Areas - Evidence from Rural Territory**

Andreea LĂMĂȘANU, Florin - Constantin MIHAI

"Alexandru Ioan Cuza" University of Iasi, Romania

### **Comparative Analysis of Ant Communities (Hymenoptera: Formicidae) in Transylvanian Deciduous Forests: Structure and Mechanisms**

Ioan TĂUȘAN<sup>1,2</sup>, Bálint MARKÓ<sup>1</sup>, Oana-Teodora BOTA<sup>3</sup>, Aurelia-Andreia ȘTEFU<sup>3</sup>, Adriana-Valentina CRAVĂ<sup>3</sup>

1 "Babeș-Bolyai" University, Department of Ecology and Taxonomy, Cluj-Napoca, Romania

2 Brukenthal National Museum, Natural History Museum, Sibiu, Romania,

3 "Lucian Blaga" University, Faculty of Science, Sibiu, Romania

### **Actual knowledge stage regarding the ecological and economical assessment of forest sites**

Alexei SAVIN

Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

### **The Cormophyta Red List of Suceava Hydrographic Basin**

Cezar Valentin TOMESCU

Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

# Environmental Economics and Forest Policy session

## **Environmental Engineering and Sustainable Forest Management in the Czech Republic**

Václav Kupčák

Czech University of Life Sciences - Faculty of Forestry and Wood Sciences, Prague, Czech Republic

## **Forest Associations of the National Park Mavrovo in the Republic of Macedonia**

Jane ACEVSKI, Bojan SIMOVSKI

University Ss.Cyril and Methodius in Skopje, Faculty of Forestry, Republic of Macedonia

## **The Liberalisation Index of Property Rights in Central and East European Private Forestry**

Liviu NICHIFOREL, Laura BOURIAUD

Ştefan cel Mare University of Suceava, Faculty of Forestry, Romania

## **Some opinions about the Romanian Forest Code (Law no. 46/2008, modified)**

Viorel-Gheorghe MARINESCU

Transilvania University of Brasov, Faculty of Silviculture and Forest Engineering, Brasov, Romania

## **The analysis of life quality indicators in the area of natural resources and environment protection in chosen micro-regions of the Czech Republic**

Jansky JAROSLAV

College of Polytechnics Jihlava, Czech Republic

**The Risk of Fire and it's Management in the Forests of Suceava County**

Ion BURLUI  
Emergency Services Inspectorate Suceava, Romania

**Wood Chips for Energy: Present and Prospects of Market in the Czech Republic**

Dalibor SAFARIK  
Mendel University in Brno, Czech Republic

**Renewable Energy and Energy Efficiency in Romania**

Sanda Cristina VULPE<sup>1</sup>, Marioara ABRUDEANU<sup>1</sup>, Dumitru OHAI<sup>2</sup>  
1 - University Pitesti, Romania  
2 - Institute for Nuclear Research Pitești, Mioveni, Romania

**Study of the Basic Extruders Parameters for the Production of Densified Forest Biomass**

Konstantin MARINOV  
Sofia University of Forestry, Bulgaria

**Influence of the Anthropogenic Factor on the Forests with Recreational Functions of the Calarasi Forestry Unit under the Calarasi Forestry Enterprise**

Alexandru ROTARU  
Botanical Garden (Institute) of the Moldova Academy of Science, Chisinau, Republic of Moldova

**Synthesizing the Outcomes of Reintroducing Cedar Nut by Plantations in Pietrosul Rodnei**

Stefan Vasile BERES  
Baia Mare National Forest Administration Branch, Romania

**Use of Building Rubble and Organic Matter Mixture as an Innovative Substrate to Improve Water Regime in Degraded Soils within Processes of Land Reclamation and Reforestation**

Michal HENEK<sup>1</sup>, Miroslav KRAVKA<sup>1</sup>, Svatava HENKOVÁ<sup>2</sup>, Radek DYMÁK<sup>1</sup>  
1 - Mendel University of Brno, Faculty of Forestry and Wood Technology, Czech Republic  
2 - Brno University of Technology, Faculty of Civil Engineering, Czech Republic

**Perception of Relevant Stakeholders on the Potential of the Implementation of the "Due Diligence" System in Combating Illegal Logging in Romania**

Raluca NICHIFOREL  
Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

**Illegal Logging and Corruption in Natural Resource Extraction and the State Failure**

Laura BOURIAUD  
Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

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### **Forest tenure, good governance and electoral cycles in Romania - a too long and confusing story**

Bogdan POPA<sup>1</sup>, Marian DRAGOI<sup>2</sup>

1 - Transilvania University of Brasov, Faculty of Silviculture and Forest Engineering, Brasov, Romania

2 - Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

### **Approaches and Lessons from the Himalaya on Integrated Natural Resource Management**

Prakash GURUNG, Dhan Bahadur SHRESTHA, Ras Bahadur GURUNG, Nepal

Nepal Rural Development Society Center (NERUDESC) , Nepal

### **Environmental Guidance & Counselling: Tools for Economic Development**

Arikewuyo Wasiu KOLAPO<sup>1</sup>, Alagbe SAMSON<sup>2</sup>, Makinde ADENIYI<sup>1</sup>

1 Osun State College of Education/National Orientation Agency, Nigeria

2 National Orientation Agency, Nigeria

### **The Influence of Economic Factors on the Composition of Regenerating Trees**

Mirela MUTU

Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

### **Main priorities of environment protection in Romania**

Dan ZAROJANU

Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania



# Forest Modelling session

## **Comparing automatic and supervised classification methods for land form analysis with remote sensing applications in mountainous areas of Southern Brazil**

Jorgeane SCHAEFER-SANTOS<sup>1,3</sup>, Juan Ygnacio LÓPEZ HERNÁNDEZ<sup>2</sup>, Christel LINGNAU<sup>3</sup>, Werner KONOLD<sup>1</sup>, Barbara KOCH<sup>2</sup>

1 - University of Freiburg, Institut für Landespflge, Germany.

2 - University of Freiburg, Department of Land Informations Systems (FeLis), Germany

3 - Federal University of Curitiba, Department of Forest Management, PR. Brazil

## **Fast detection of forest class from OBIA data**

Juan Ygnacio LÓPEZ HERNÁNDEZ<sup>1,4</sup>, Jorgeane SCHAEFER-SANTOS<sup>2</sup>, Christel LINGNAU<sup>3</sup>, Barbara KOCH<sup>1</sup>, Werner KONOLD<sup>2</sup>

1 - University of Freiburg, Department of Land Informations Systems (FeLis), Germany

2 - University of Freiburg, Institut für Landespflge, Germany.

3 - Federal University of Curitiba, Department of Forest Management, PR. Brazil

4 - Universidad de Los Andes (ULA): Facultad de Ciencias Forestales y Ambientales. Merida, Venezuela

## **Assessment of forest structure parameters on IKONOS 2 satellite images**

Ionuț BARNOAIEA

Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

## **Jugglers in statistics of normality**

Sergiu Andrei HORODNIC

Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

## **Restoration Management in small forest Watersheds**

Alice KOZUMPLÍKOVÁ, Ilja VYSKOT, Jiri SCHNEIDER

Mendel University in Brno, Faculty of Regional Development and International Studies, Czech Republic

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**Flow-rate estimation of a small watercourse as a basic water balance element of a forest microwatershed**

Jan DEUTSCHER, Petr KUPEC

Mendel University in Brno, Faculty of Forestry and Wood Technology, Czech Republic

**The effect of the plan scale upon the magnitude of the morphometric parameters in a torrential catchment**

Ioan CIORNEI

Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

**The Auxological Efficiency of the Beech Trees with Different Tree Crown Sizes**

Daniel AVĂCĂRIȚEI

Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

**Analysis of tree-ring formation in Calimani Mts**

Ionel POPA

Forest Research and Management Institute, Câmpulung Moldovenesc, Romania

**Bioclimatology of Norway spruce in the Northern Carpathian Mountains**

Catalin ROIBU, Dumitru MIHAILA, Ana-Maria CRETAN, Bogdan NEGREA

Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

**The influence of windthrow on ecoprotective functions of the forests. Case study in the Forest District Tomnatic, Suceava County**

Catalina BARBU

Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

**Assessing species associations - a case study on saplings**

Ciprian PALAGHIANU

Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

**Regional assessment of forest fire hazard in the Golestan province: Development and application of new method**

Farhad HONARDOUST, Hamid SALAMATI, Ali MASTOURI, Hamid MOSTAFALOU

General Office of Natural Resources, Golestan, Gorgan, Iran

**Assessing the degree of human impact on the landscape in a representative area from Suceava County**

Adriana Roxana BARNOAIEA

Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

# Poster session

## **Efficient Use of Flood and Runoff in Water Resource Management in Forest Region. Case Study: Forest of Golestan - Iran**

Reza AHMADI, Mohammad Mohsen Adhami MOJARAD  
Natural resources general office of Golestan province, Iran

## **Susceptibility of Adult European Spruce Bark Beetle (*Ips typographus*) to the Fungal Entomopathogen *Beauveria bassiana***

Daniela LUPASTEAN<sup>1</sup>, Mireuta MARIAN<sup>1</sup>, Cristina FATU<sup>2</sup>, CARDAS Gabriel<sup>1</sup>, FATU Viorel<sup>2</sup>, CIORNEI Constantin<sup>3</sup>, Ana-Maria ANDREI<sup>2</sup>

1 Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

2 Research-Development Institute for Plant Protection, Bucharest, Romania

3 Forest Research and Management Institute, Bacau, Romania

## **The Effect of Forest Shelterbelts upon the Agricultural Ecosystems**

Mihai GIDEA<sup>1</sup>; Adrian POPA<sup>1</sup>; Marian DRAGOI<sup>2</sup>

1 USAMV Bucuresti, Romania

2 Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

## **Zonation of fire hazard using GIS and AHP in Caspian forests of northeast of Iran**

Ali MASTOURI, Mohammad Mohsen Adhami MOJARAD, Reza AHMADI  
General Office of Natural Resources, Golestan, Gorgan, Iran

## **Fungi associated with the invasive sawfly *Aproceros leucopoda* in elms forests**

Ana- Cristina FATU<sup>1</sup>, Gabriel CARDAS<sup>2</sup>, Constantin CIORNEI<sup>3</sup>, Daniela LUPASTEAN<sup>2</sup>, Ana-Maria ANDREI<sup>2</sup>

1 - Research-Development Institute for Plant Protection, Bucharest, Romania

2 - Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

3 - Forest Research and Management Institute, Bacau, Romania

## **Outstanding species in the Hemeiusi Arboretum and their importance**

Tatiana BLAGA, Maria RATIU, Gheorghe TILEA  
Forest Research and Management Institute - Bacau Forest Station, Romania

## **Hemeiusi Arboretum - an alive laboratory**

Tatiana BLAGA, Maria RATIU  
Forest Research and Management Institute - Bacau Forest Station, Romania

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**Tillage systems to reduce soil, water and nutrient losses in Eucalyptus forest area, southern Brazil**

Bruno Afonso MAGRO<sup>1</sup>, Jeferson DIECKOW<sup>2</sup>, Carlos Bruno REISSMANN<sup>2</sup>

1 - Federal University of Paraná, Forestry Engineering Post-Graduation Program, Curitiba, PR. Brazil

2 - Federal University of Paraná, Department of Soil Science & Agricultural Engineering, Curitiba. PR. Brazil

**Effect of harvest - created gaps by single tree selection system on tree rings width of beech (*Fagus orientalis* Lipsky) in Hyrcanian forest, Iran**

Kambiz Abrari VAJARI<sup>1</sup>, Hamid JALILVAND<sup>2</sup>, Mohammad Reza POURMAJIDIAN<sup>2</sup>, Kambiz ESPAHBODI<sup>3</sup>, Ehsan KHEDIVE<sup>4</sup>

1 - Lorestan university, Agriculture Faculty, Iran

2 - Sari Agriculture and Natural Resources University, Natural Resources Faculty

3 - Research Center in Agricultural and Natural Resources of Mazandaran Province, Sari, Iran

4 - University of Tehran, College of Agriculture and Natural Resources, Iran

**Relationship between Diversity of Herbaceous Species and Gap Size in a Managed Beech (*Fagus orientalis* Lipsky.) Forest, Northern Iran**

Kambiz Abrari VAJARI<sup>1</sup>, Hamid JALILVAND<sup>2</sup>, Mohammad Reza POURMAJIDIAN<sup>2</sup>, Kambiz ESPAHBODI<sup>3</sup>

1 - Forestry Department, Agriculture Faculty, Lorestan University, Iran

2 - Forestry Department, Faculty of Natural Resources, Sari Agriculture Sciences and Natural Resources University, Iran

3 - Research Centre in Agricultural and Natural Resources of Mazandaran Province, Sari, Iran

**The amount of biomass produced on a coffee plantation grown in agro-forestry manner, Peru**

Lenka EHRENBERGEROVÁ

Mendel University in Brno, Czech Republic

**Spatial and temporal variability of beech cancer in Natural Reserve Humosu**

Ana-Maria CRETAN, Catalin ROIBU

Ștefan cel Mare University of Suceava, Faculty of Forestry, Romania

**Research on Ecological Restoration of the Norway spruce Stand Damaged by Deer**

Radu VLAD, Cristian Gheorghe SIDOR, Cristian COJOCIA

Forest Research and Management Institute, Câmpulung Moldovenesc, Romania

**Relationship between Climate and Height Growth of Norway spruce Trees from the Moldovita River Basin**

Cristian Gheorghe SIDOR<sup>1</sup>, Nicolaie PLAIU<sup>2</sup>, Ionel POPA<sup>1</sup>

1 - Forest Research and Management Institute - Câmpulung Moldovenesc Station, Romania

2 - Forest District Moldovița, Forest Department Suceava, Romania

**Linking Human Dimension with Ancient Urban Landscape Management and Development - a case study in China**

Yang ZHANG

University of Freiburg, Germany