

## Vol 46, No 1 (2014)

### SOLUTE POLLUTANTS TRANSPORT MODELING IN LANDFILL VALEA MANASTIRII, GORJ COUNTY – ROMANIA

pag. 3-9

Beilicci Robert, Beilicci Erika

The Paper present unconfined groundwater flow and solute transport modeling under landfill (case studies – landfill Valea Manastirii) using the PMWIN applications. Modeli...

[more abstract](#)*groundwater, flow, solute transport, landfill, pollution*

Presentation: oral

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### SOIL EROSION PROCESSES EFFECTS ON ENVIRONMENT QUALITY IN UPPER BEGA RIVER HYDROGRAPHIC BASIN

pag. 10-18

Erika Beilicci, Camelia Ștefănescu, Robert Beilicci

Linkages between soil erosion and environment quality are manifold. Soil erosion is a major cause of pollution of water, air and soil. Discrepancies between the water need,...

[more abstract](#)*soil erosion, environment quality, water quality, measures*

Presentation: oral

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### ADVANCE HYDRAULIC MODELING USING HEC-RAS, BARAOLT RIVER, ROMANIA

pag. 19-25

Beilicci Robert, Beilicci Erika

To exemplify of flood risk map achievement with HEC-RAS hydroinformatic tools was considered a sector of Baraolt River, located in center Romania. Considered sector ha...

[more abstract](#)*management, flood, flood risk management plan, hydroinformatic tools.*

Presentation: oral

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### ASPECTS OF OPTIMIZATION OF SOIL EROSION CONTROL SYSTEMS

pag. 26-34

Erika Beilicci, Robert Beilicci, Camelia Ștefănescu

In recent decades we are witnessing a rapidly expanding areas affected by soil erosion (both hydric and wind erosion) and the disastrous consequences of this natural phe...

[more abstract](#)*soil erosion control, optimization, hydrotechnical structures, non-structural measures*

Presentation: oral

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### STUDY REGARDING THE INFLUENCE OF THE AGROFIELD AND THE CLIMATIC CONDITIONS FROM TIMISOARA ON RAW COTTON PRODUCTION TO SOME COTTON GENOTYPES (GOSSYPIUM HIRSUTUM SP.)

pag. 35-40

Baba Liliana, Tabara Valeriu, Cretescu Iuliana

The aim of the present investigations was to determine the influence of agrofield on raw cotton production to three cotton genotypes (Gossypium hirsutum sp.): Marismas a...

[more abstract](#)*raw cotton, production, climatic conditions, agrofield.*

Presentation: oral

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### RESEARCHES CONCERNING SEEDS PRODUCTION TO THREE COTTON GENOTYPES (GOSSYPIUM HIRSUTUM SP.) UNDER AGROFIELD INFLUENCE IN THE CLIMATIC CONDITIONS FROM TIMISOARA

pag. 41-46

Baba Liliana, Tabara Valeriu, Cretescu Iuliana

In this paper, the main objective was to determine the influence of agrofield and the climatic conditions from Timisoara on seed production to three cotton genotypes (Goss...

[more abstract](#)*seed cotton, production, climatic conditions, agrofield*

Presentation: oral

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### PRELIMINARY STUDY OF C. (MORPHOCARABUS) ZAWADZKII SERIATISSIMUS REITTER 1896 FROM NORTHERN ROMANIA

pag. 47-59

J. BARLOY, F. PRUNAR, Frederique BARLOY-HUBLER, S. DREANO

The study carried on C. (Morphocarabus) zawadzki Reitter 1896, taxon belonging to the controversial supraspecific level: subsp. of C. (Morphocarabus) scheidleri Panz.; s...

[more abstract](#)

*Carabus (Morphocarabus) zawadzkii seriaticus*; taxonomy, phylogeny, molecular biology

Presentation: oral

[Download\(/download/paper\\_version.paper\\_file.873767e043098fbc.6261726c6f792e706466.pdf\)](#)

## AEOLIAN SEDIMENT. PSAMOSOLS AND/OR ARENOSOLS

**pag. 60-66**

Gh. ROGOBETE, R. BERTICI, Adia GROZAV

Aeolian processes, involving erosion, transportation and deposition of sediment by the wind, occur in a variety of environments, including beaches, semi-arid and arid regio...

[more abstract](#)

*erosion, aeolian, SRTS, WRB, soil*

Presentation: oral

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## THE ANSWERS TECHNIQUE

**pag. 67-74**

Angela BOGLUȚ, D. Tudoran

Questions are asked, based upon the information made available by the team, confidential information, and answers are expected hopefully without any affront, on the obje...

[more abstract](#)

*technique, negotiation, strategy, questions*

Presentation: oral

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## NON-VERBAL MESSAGES ISSUED DURING NEGOTIATIONS

**pag. 75-83**

Angela BOGLUȚ D. TUDORAN

Non-verbal communication means, using gestures and mimics, that could influence a negotiation, the way of discussing with partners depending on personality, education, ...

[more abstract](#)

*negotiation, tactics, communication, exercise*

Presentation: oral

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## CARAWAY (CARUM CARVI) DISEAS ON WILD FLORA

**pag. 84-89**

Adrian BORCEAN, Mihaela COLCEA

Research aim was to determine the caraway diseases on the wild flora from Nera river basin and to see the spread of those diseases Stage of research is being characteri...

[more abstract](#)

*Carum carvi, wild flora, diseases*

Presentation: oral

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## PLANTAINS (PLANTAGO SP.) POWDERY MILDEW (PODOSPHAERA PLANTAGINIS) ON WILD FLORA

**pag. 90-94**

Adrian BORCEAN, Mihaela COLCEA, Gheorghe DAVID

Research aim of this research work was to determine the plantains dominant species from Nera river basin and their diseases. Also it is an attempt to see the spread of tho...

[more abstract](#)

*Plantago sp., wild flora, Podosphaera plantaginis*

Presentation: oral

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## AILANTHUS ALTISSIMA SPECIES INVASION ON BIODIVERSITY CAUSED BY POTENTIAL ALLELOPATHY

**pag. 95-103**

C. BOSTAN, F. BORLEA, Corina MIHOC, Mihaela SELESAN

This paper aims to highlight the direct and indirect allelopathic influences showed by species Ailanthus altissima, through morphological and biological investigations. An im...

[more abstract](#)

*Ailanthus altissima, allelopathy, germination, leguminous species*

Presentation: oral

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## SPREAD SPECIES AILANTHUS ALTISSIMA IN NEW AREAL AND IMPACTS ON BIODIVERSITY

**pag. 104-108**

C. BOSTAN, F. BORLEA, Corina MIHOC, Adelina Maria BECENEAGA

The ecological and economic impact of invasive species is perceived at all levels, locally, regionally and globally. The ecological invasion is considered the second serious t...

[more abstract](#)

*Ailanthus altissima, spread, impact, new areal*

Presentation: oral

[Download\(/download/paper\\_version.paper\\_file.83a9738e6678e87e.626f7374616e20637269737469616e2e706466.pdf\)](#)

Eva CANDRÁKOVÁ1, Marta ANDREJČÍKOVÁ2, Eva HANÁČKOVÁ3

During 2010-2012, the field trial of pea variety Xantos was established on Experimental site of SAU in Nitra, (E 18°09', N 48°19') with altitude of 175 m. The location has co...

more abstract

*common pea, harvest residues, fertilization, nutrient, yield*

Presentation: oral

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Eva CANDRÁKOVÁ1, Milan MACÁK2

During 2006-2008, the polyfactorial field trial of growing common peas variety Xantos was established on Experimental site of Slovak Agricultural University in Nitra, in sout...

more abstract

*common pea, crop residues, fertilization, yield, yield component*

Presentation: oral

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V. Ciobanu, Angela Boglut

The leader of the team together with the members, based upon the information obtained in favor of the transaction, is trying to solve the problem of the location adequate f...

more abstract

*room, space, facilities, negotiation*

Presentation: oral

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V CIOBANU, Angela Boglut

The necessity of the buyer or of the seller to obtain a good price or to sell at a good price a merchandise essential for business continuation, price-quality → profit.

more abstract

*negotiation, strategy, product, price, profit*

Presentation: oral

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Otilia COTUNA\*, Veronica SĂRĂȚEANU\*, Carmen DURĂU\* Mirela PARASCHIVU\*\*, Elena PARTAL\*\*\*

Ambrosia artemisiifolia L. is an invasive plant that has spread increasingly in Banat region, expanding their surface very fast, mainly the non-cultivated fields, abandoned pa...

more abstract

*Ambrosia artemisiifolia, arbuscular mycorrhizae, colonization, roots, trypan, arbuscule.*

Presentation: oral

Download(/download/paper\_version.paper\_file.abb54acca4f0a63a.636f74756e615f6f74696c69612e706466.pdf)

Cotuna Otilia, Renata Șumălan, Veronica Sărățeanu, Mirela Paraschivu, Carmen Durău

Sea buckthorn is a plant that has few diseases. Among the diseases that can occur in sea buckthorn plantation we mention: verticillium wilt (Verticillium albo - atrum, Verticil...

more abstract

*sea buckthorn, Verticillium wilt, Verticillium sp., diagnosis, vascular, analysis.*

Presentation: oral

Download(/download/paper\_version.paper\_file.8009ff54aa71252f.636f74756e615f6f74696c69615f2831292e706466.pdf)

A. CRĂCIUNESCU\*, S. STANCIU\*, Mihaela MOATĂR\*

Abstract: Forests are vulnerable to climate change. It is therefore important to maintain and enhance their resilience and adaptive capacity, including through fire prevention..

more abstract

*ecosystem, emissions, forest sector, biological productivity, available resources*

Presentation: oral

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A. CRĂCIUNESCU\*, S. STANCIU\*, Mihaela MOATĂR\*

Abstract: This report presents the results of an extra budgetary project which analyses similarities and common approaches in European national forest legislation. The for...

more abstract

*forest law, reforestation, non-wood forest products, sustainable forest management*

Presentation: oral

Download(/download/paper\_version.paper\_file.a81495f9e2ed52ef.4372616369756e657363755f65745f616c6c322e706466.pdf)

## Changing the quality of maize grain after applying fertilizers micro granulates

**pag. 166-171**

Crista F. ,Boldea M.,Isidora Radulov,Crista Laura, Alina Lato,Okros Adalbert, Lato I.

The main objective of the research is to determine how the localized application at seeding of different type of chemical fertilizers, influences the raw protein, amino acid, he..

more abstract

*quality indicators, corn, micro granulates fertilizers*

Presentation: oral

Download(/download/paper\_version.paper\_file.b649b83e4875905c.63726973746120666c6f72696e20312e706466.pdf)

## Impact of chemical fertilization on maize yield .

**pag. 172-177**

Crista F. ,Boldea M.,Isidora Radulov, Lato Alina, Berbecea Adina, Nita L.,Okros A.

The main purpose of the research undertaken to develop this work was the impact of chemical fertilization on maize yield in the experimental field of SDE Timisoara. Fertiliz...

more abstract

*fertilization, maize , yield,*

Presentation: oral

Download(/download/paper\_version.paper\_file.a0ba0d8cd5d686bf.63726973746120666c6f72696e20322e706466.pdf)

## Influence of stand density on yield and quality of NS sunflower confectionary hybrids

**pag. 178-183**

Crnobarac J., Balalić I.,Marinković B., Jaćimović G., and Latković Dragana

A two year field plot was conducted on experimental fields of Institute of field and vegetable crops in Novi Sad. The effect of stand density on seed yield, protein content an...

more abstract

*sunflower, confectionary hybrids, yield, protein content, seed mass*

Presentation: oral

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## RESEARECH CONCERNING THE USE OF THE FOLIAR BIOFERTILISERS BIONAT PLUS AND BIONEX IN GARDEN STRAWBERRY

**pag. 184-188**

SNEJANA DAMIANOV, RAMONA ŞTEF, IOANA GROZEA, ANA MARIA VÎRTEIU

Garden strawberry was cultivated in the spring of 2009 with fortified runners; it was a multiannual classical culture in the field of the Red Gauntlet variety, which matures in l...

more abstract

*Bionat Plus, Bionex, biofertilisers, strawberry, treatments*

Presentation: oral

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## RESEARCH CONCERNING THE BIOLOGICAL CONTROL OF CODLING MOTH (CYDIA POMONELLA) USING THE ENTOMOPHAGOUS WASP TRICHOGRAMMA SP. IN THE CARANSEBES POMICULTURAL BASIN

**pag. 189-193**

Snejana DAMIANOV, Ramona ŞTEF, Ioana GROZEA, Ana Maria VÎRTEIU, A. CĂRĂBET

Abstract: The product Trichotim has as a principle the insect Trichogramma sp. Trichogramma is a wasp measuring only 0.5 mm. It lays its eggs in the pests' eggs, destroyi...

more abstract

*Trichotim, treatment, variety, apple worm, effectiveness*

Presentation: oral

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## REACTION OF SWEET CORN HYBRIDS IN TERMS OF LOWER PLAINS OF TIMIS

**pag. 194-197**

Gheorghe DAVID, Paul PÎRŞAN, Adrian BORCEAN, Georgeta POP, Simona NIŢĂ

Sweet corn is a crop plant at which in the last two decades cultivated areas increased significantly, due to the growing interest of being consumed by people both fresh and ...

more abstract

*sweet corn, hybrids, fertilizers.*

Presentation: oral

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## WHITE LUPIN (LUPINUS ALBUS L.): A PLANT FIT TO IMPROVE ACID SOILS IN SOUTH-WESTERN ROMANIA AND AN IMPORTANT SOURCE OF PROTEIN

**pag. 198-202**

Gheorghe DAVID, Adrian BORCEAN, Florin IMBREA, Lucian BOTOŞ

Research was carried out in the hill area of western Caras-Severin County, on the Slatina Nera territory, an area with a moderate temperate-continental climate, the sub-Ba...

more abstract

*Lupinus albus L., fertilizers, protein yield*

Presentation: oral

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## THE ROLE OF CADASTRAL INFORMATION IN THE MANAGEMENT AND LAND USE FROM TIMIS COUNTY

**pag. 203-209**

D. DICU, D. ȚĂRĂU, Iuliana VINTILĂ, C. MARINCA, Lica TUTI

In the context of the current financial crisis from Romania that affected and continue to affect the agricultural sector and taking into account the importance of livestock and ...

[more abstract](#)

*informations, land, assessment, ecological, soils, cadastre map*

Presentation: oral

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## CONSIDERATIONS REGARDING THE OPPORTUNITY OF CONSERVATIVE AGRICULTURE IN THE CONTEXT

**pag. 210-217**

B. M. DUDA, \*T. RUSU, Ileana BOGDAN, A. I. POP, Paula Ioana MORARU, R. M. GIURGIU, Camelia Liliana COSTE

This paper focuses on conservative agriculture, determined as minimal soil tillage, no tillage and enduring soil cover (mulch) together with rational rotations, as to achieve a...

[more abstract](#)

*conservation agriculture; no-tillage; minimum tillage, mulching, global warming*

Presentation: oral

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## Research regarding external anatomy of *Aphis fabae*

**pag. 218-221**

Liana Mihaela FERICEAN

This paper presents data referring the morphological characteristics and biometrical measurements of *Aphis fabae*, species captured from potato carrots, and tomatoes cul...

[more abstract](#)

*Aphis fabae, life cycle, biometrical measurements*

Presentation: oral

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## Research regarding the external anatomy of *Squalius cephalus* spermatozoa

**pag. 222-225**

Liana Mihaela FERICEAN, I. BANATEAN – DUNEA, Olga RADA, Mihaela OSTAN

This paper presents data referring to the biometrical measurement of chub spermatozoa. The biological material under study has been made up by 70 masculs from the sp...

[more abstract](#)

*biometrical measurement, crub, spermatozoa, Squalius cephalus*

Presentation: oral

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## THE RESPONSES OF *Helianthus annuus* L. TO FOLIAR APLICATION OF 28-HOMOBRASSINOLIDE

**pag. 226-235**

Angelika FILOVÁ

Brassinosteroids (BRs) are steroidal phytohormones with a wide scale of effects. BRs, which play an essential role in plant growth and development, have been implicated i...

[more abstract](#)

*28-brassinolidesteroids, drought stress, chlorophylls, Helianthus annuus L, MDA, proline*

Presentation: oral

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## PRODUCTION OF SECONDARY METABOLITES IN PLANT TISSUE CULTURES

**pag. 236-245**

Angelika FILOVÁ

Plant cell and tissue cultures hold great promise for controlled production of myriad of useful secondary metabolites. In the search for alternatives to production of medicina...

[more abstract](#)

*alkaloids, plant tissue cultures, production, secondary metabolites*

Presentation: oral

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## PROVIDING OF HIGH LONGEVITY OF OPERATING PARTS OF SMALL- SCALE MACHINERY IN AGRICULTURE

**pag. 246-253**

A.P. CHERNYSH

The author of the article considers the scientific approaches to increasing the longevity of high- loaded operating parts of small agricultural machines by forming the techno...

[more abstract](#)

*unit for drilling, reclamation, drill, technological repair unit, hardening, surfacing, white cast iron, electric spark welding*

Presentation: oral

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## ON THE IMPACT OF EXPOSING MAIZE SEEDS TO A LOW FREQUENCY FIELD ON BIOLOGICAL FEATURES AND ON ASSIMILATING PIGMENT SYNTHESIS

**pag. 254-264**

Florin IMBREA

Magnetic field, particularly low-frequency magnetic field (LMF), induces in the biological tissues, currents that result in biological effects. They claim that biological effects in...

[more abstract](#)

*low-frequency magnetic field, biological features, assimilating pigment*

Presentation: oral

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