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Presentation: oral

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LAND DEGRADATION: FROM DRYNESS TO DESERTIFICATION

pag. 3-9

Armaş Andrei / Man Teodor Eugen / Mazăre Veaceslav / Beilicci Robert / Cuzic Ovidiu/ Adrian Şmuleac

The main purpose of this paper is to illustrate the profound connection between dryness, drought and desertification. Causes and characteristics that lead to the occurrenc...

more abstract

dryness, drought, desertification, degradation, land

Presentation: poster

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Irrigation influence on catchment hydrology modelling with advanced hydroinformatic tools

pag. 10-20

Erika Beilicci, Robert Beilicci

Agriculture is a significant user of water resources in Europe, accounting for around 30 per cent of total water use. Because water is essential to plant growth, irrigation is e...

more abstract

irrigation, hydrology, modelling, hydroinformatic tools

Presentation: poster

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BLACKBERRY LEAF AND FRUIT DISEASES IN WILD FLORA FROM SOUTH WESTERN PART OF ROMANIA

pag. 21-26

BORCEAN A., COLCEA Mihaela, NITA Simona

Even if it could be considered a secondary crop from the agriculture economy point of view, blackberries could have an important role in the health balance of peoples who ...

more abstract

blackberry, leaf diseases, fruit diseases

Presentation: poster

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DISEASES OF PLANTS FROM MALVACEAE FAMILY FROM SPONTANEOUS FLORA IN THE SOUTH WESTERN PART OF ROMANIA

pag. 27-30

BORCEAN A., COLCEA Mihaela, DAVID Gh.

As principle, spontaneous plant species related to those used as crops constitute the intermediate hosts for most pathogens especially where the pathogens, from epidemi...

more abstract

Althea officinalis, Malva silvestris, Puccinia malvacearum INTRODUCTION

Presentation: poster

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Researches regarding the water quality in the wast landing platform of Arad

pag. 31-36

Ioan calinovici

The research was carried out on a ground placed under the waste landing platform located in Câmpul Liniştii street from the town of Arad, referring to its physical character...

more abstract

Soil, sand, dust, clay, phreatic water pollution

Presentation: oral

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Research on the Influence of Some Technological Factors on the Production of Amaranthus sp. Obtained in Teiuş Area, Alba District

pag. 37-39

Cioanca B., E. Luca, Felicia Bumb, Adela Hoble, R. Chiuhan.

Introduction: Amaranthus sp. can be used as a cereal for grains, or as a vegetable for leaves, and it has great potential as fodder plant. It has high content of protein, carbo...

more abstract

Amaranthus, fertilization, irrigation, production.

Presentation: poster

YIELD RESPONSE OF BEAN TO DIFFERENT AGRICULTURAL PRACTICES AND MICROBIAL ACTIVITY IN ITS RHIZOSPHERE

pag. 40-45

Simonida ĐURIĆ, Dragana STAMENOV, Timea HAJNAL-JAFARI, Bojana PETROVIĆ, Mirjana VASIĆ

The aim of this study was to compare the effect of organic and conventional production on yield parameters of bean (*Phaseolus vulgaris*) as well as on the number of rhizo...

[more abstract](#)

bean, yield, microbial activity, organic, conventional production

Presentation: poster

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PERSPECTIVES OF INTEGRATING HIGH-SCHOOL GRADUATES LIVING IN RURAL AREAS INTO AGRICULTURAL HIGHER EDUCATION

pag. 46-50

Codruța GAVRILĂ 1, Cristina TULBURE 1, Alina-Lidia MĂRGHITAN1 BUASVM „King Michael I of Romania” from Timișoara

The paper discusses a particularly acute problem of the higher education in Romania, concerning the relatively low percentage of young people from rural areas who, after...

[more abstract](#)

integration, access, equity, rural area, higher education

Presentation: oral

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Moisture loss dynamics in some inbred lines, parental forms of maize hybrids, created at ARDS Turda

pag. 51-56

Al. GHEȚE, Ana COPÂNDEAN, I. HAȘ, M. DUDA, Voichița HAȘ, Emilia TINCA, Roxana E. CĂLUGĂR, A. VARGA, Cristina MOLDOVAN

The main purpose of the research was to characterize the inbred lines from the capacity of moisture loss point of view, in the shortest amount of time after the cob reached...

[more abstract](#)

inbred lines, maize, hybrids, moisture loss, dynamics

Presentation: oral

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RESULTS REGARDING THE INFLUENCE OF TECHNOLOGICAL FACTORS ON SPRING OATS YIELD

pag. 57-62

RAREȘ HUZA, MARCEL DUDA, ROZALIA KADAR

In our country, in recent years, spring oats was the most cultivated small grain cereal. The crops surface were around 200 thousand hectares in 2012 (194.500 ha). The ai...

[more abstract](#)

Spring oats, number of seeds/square meter, doses of fertilize

Presentation: oral

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COMPARATIVE STUDY OF EARLY AND MID-EARLY GRAIN MAIZE HYBRIDS IN THE CONDITIONS OF SOUTHERN DOBROGEA.

pag. 63-69

Hristofor KIRCHEV

Abstract: The experiment was conducted through the period 2007 - 2009 in the region of the town Gen. Toshevo, Dobrogea, Bulgaria. The test was conducted in block met...

[more abstract](#)

maize, Dobrogea, yield, grain moisture

Presentation: poster

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THE INFLUENCE OF TILLAGE SYSTEMS ON SOME PRODUCTIVE TRAITS OF MAIZE HYBRIDS

pag. 70-74

Dragana LALEVIĆ1, Milan BIBERDŽIĆ1, Saša BARAĆ1, Dragoljub BEKOVIĆ1, Zoran JOVOVIĆ2,

Abstract: Tillage is a very important agricultural measure that ensures the appropriate conditions for germination, emergence and growth of plants and it has a great signific...

[more abstract](#)

conventional tillage, reduced tillage, direct seeding, maize, productive traits

Presentation: oral

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Hazelnut (*Corylus avellana* L.) response to microsprinkler irrigation in climatic conditions of Vojvodina province

pag. 75-81

Ksenija, MAČKIĆ, B. PEJIĆ, M. BELIĆ, D. JANKOVIĆ, L. PAVLOVIĆ

In order to investigate how hazelnut responds to microsprinkler irrigation, a field experiment was conducted on three and four year's old trees, during the 2013 and 2014. T...

[more abstract](#)

hazelnut, irrigation, yield, water use

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Evaluation and reduces noise from activities carried out an industrial unit

pag. 82-90

Elena Marica and Lector univ. dr. ing. M.T. Corches

Abstract: Although noise, like other types of pollution has negative effects on the human body, it is neglected. With industrialization producing artificial noise sources have increa

[more abstract](#)

noise pollution, reduction of noise, noise sources. methods to combat noise.

Presentation: poster

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THE RESEARCH ON THE CAVITY RESISTANCE OF THE X20Cr13 STEEL

pag. 91-95

Lavinia Madalina MICU

Taking into account that in the construction of steam boilers or pumps the stainless steel X20Cr13 is used due to the acquisition cost, which is low enough the aim of this re...

[more abstract](#)

X20Cr13, resistance to cavitation, mass losses, erosion rate

Presentation: oral

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LYTHRUM SALICARIA L. IN THE HUMID AREA VEGETATION

pag. 96-105

Alina NEACȘU, G.-G. ARSENE, Ilinca IMBREA, Alma NICOLIN, F. FAUR

The paper discusses the Lythrum salicaria L. species systemic, biology, ecology and distribution, its ecologic impact, given by the quick ability to colonize new habitats, as w...

[more abstract](#)

Lythrum salicaria L., humid areas, Banat, invasive potential, usage possibilities

Presentation: oral

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SAKER FALCON (FALCO CHERRUG, GRAY) AND ITS RELATION TO AGRICULTURAL LAND SLOVAKIA

pag. 106-113

Veronika TRGALOVÁ1, J. CHAVKO 2

Abstract: The aim of the present study was to monitor, assess and evaluate breeding success of one of the most important representatives of the birds of prey, which is the...

[more abstract](#)

Saker Falcon , agricultural land, Slovakia , threatening factors

Presentation: poster

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THE INFLUENCE OF THE FOREGOING PLANT AND OF THE SOWING DENSITY ON THE YIELD AND QUALITY OF DURUM WHEAT TRITICUM TURGIDUM (L.) THELL, subsp. TURGIDUM conv. DURUM (DEST.)M.K.

pag. 114-120

Ioana Maria PAVĂL, Gheorghe DAVID

The study was carried out in Banat's lowland, on the plain between the rivers Mureș and Bega. According to the map of climate types existing on the territory of Romania, t...

[more abstract](#)

Durum wheat, crop rotation and crop density.

Presentation: oral

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Flow cytometric analysis of the Pentachlorophenol exposed green alga Chlorella fusca

pag. 121-129

C-M PETRESCU, I. STANA, C-V MIHALI, V. TURCUȘ, D. BRATOSIN

Pentachlorophenol is a synthetic substance, made from other chemicals, and does not occur naturally in the environment Pentachlorophenol is released to the air by evapo...

[more abstract](#)

pentachlorophenol, algae, flow cytometry, toxicity.

Presentation: poster

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THE USE OF LIDAR REMOTE-SENSING DATA TO OPTIMISE ROUTES IN INFRASTRUCTURE PROJECTS

pag. 130-141

C.A. POPESCU*, A. ȘMULEAC*, M. HERBEI*

This paper deals with LIDAR (Light Detection and Ranging), a laser-scanning technology with a definite characteristic: it can acquire, process and deliver data in digital form...

[more abstract](#)

LIDAR, 3DModel, GPS, ASTER GDEM2, DTM, Global Mapper, IMU

Presentation: oral

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EFFICIENT USE OF MODERN TECHNOLOGIES FOR CADASTRAL WORKS

pag. 142-146

G. POPESCU, C.A. POPESCU, M. HERBEI, Timeea JUCSOR

Technical utility networks are networks serving housing, social cultural assemblies, institutions , businesses etc. industrial and technical networks in urban areas : utility netw...

[more abstract](#)

land register, measurements, cadastre, agricultural cadastre

Presentation: poster

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MEASURING THE PARAMETERS THAT INFLUENCE THE PHENOMENON OF DISPLACEMENT AND DEFORMATION OF THE GROUND AT MINA LIVEZENI pag. 147-155

G. POPESCU, C.A. POPESCU, M. HERBEI, A. SMULEAC

The phenomenon of displacement and deformation of the surface land, continues to present a wide interest in the implications of environmental problems and protection of...

[more abstract](#)

monitoring, surface deformation, subsidence, displacement.

Presentation: poster

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Economic efficiency of the drainage in Southern Banat pag. 156-161

Svetlana POTKONJAK, T. ZORANOVIC, Ksenija MACKIC, M. BOZIC

This paper examines efficiency of building drainage system on the territory of Pancevo rit (south Banat). In this case, the research incorporates hydro-technical and econom...

[more abstract](#)

drainage, efficiency, variants, ranking

Presentation: oral

[Download\(/download/paper_version.paper_file.aa54273e91bad226.706f746b6f6e6a616b2e706466.pdf\)](#)

The Vocabulary of Zoology: Romanian Terms of Arabic and Turkish Origin pag. 162-168

Georgeta Rata

The goal of the paper is to show the direct impact of the Turkish language on Romanian and the indirect impact of the Arabic language on Romanian in the field of zoology...

[more abstract](#)

Zoology, Arabic, Turkish

Presentation: oral

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The Vocabulary of Botany: Romanian Terms of Arabic and Turkish Origin pag. 169-176

Georgeta Rata

The goal of the paper is to show the direct impact of the Turkish language on Romanian and the indirect impact of the Arabic language on Romanian in the field of botany. ...

[more abstract](#)

Botany, Arabic, Turkish

Presentation: oral

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Yield potential of spring barley (Hordeum vulgare L.) in the conditions of western Slovakia pag. 177-181

Jozef Smatana, Marta Andrejčíková, Milan Macák

Spring barley and barley products belong to the important products in Slovakia, resulting mainly from the fact that Slovakia has in Europe after Germany, France and the C...

[more abstract](#)

spring barley, forecrop, yield

Presentation: oral

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IMPLEMENTING TECHNICAL PRINCIPLES IN SYSTEMATIC BUILDING REGISTERING, COMMUNE OF SÂNANDREI, TIMIȘ COUNTY, ROMANIA pag. 182-193

C.A. POPESCU*, A. ȘMULEAC*, Gabriela POPESCU*

Because of the need for clear legal and economic registering of buildings in Romania, we need to pay proper attention to systematic registering works. The goal of this stud...

[more abstract](#)

systematic registering, land surveys, Leica TCR802, Leica TC 407, Leica GPS 1200, dxf

Presentation: oral

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TECHNICAL CONSIDERATIONS REGARDING THE USE OF GPS TECHNOLOGY TO IMPROVE TELECOMMUNICATION INFRASTRUCTURE pag. 194-203

A. ȘMULEAC*, C. POPESCU*, Laura ȘMULEAC*, R. BERTICI*, Gabriela POPESCU*

This paper aims at studying the location of an FM Radio Antenna outside Jebel, Timiș County, Romania. At present, the land is considered ARABLE according to an excerp...

[more abstract](#)

FM Radio Antena, OCPI, GPS, TransDatRO, WGS 1984, Stereografic 1970, TopoLT, ACad

Presentation: oral

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The actual weed infestation and sustainable farming systems in spring barley pag. 204-210

Ștefan Týr

Weeds are not desirable for arable occurrence significantly compete with agricultural crops in claims for nutrients, soil moisture, sunlight and space. The present paper was...

[more abstract](#)

spring barley, weeds, weed control, sustainable farming systems

Presentation: oral

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The actual weed infestation and sustainable farming systems in winter wheat

pag. 211-216

Ștefan Tȃr

Actual status in relation to the possibilities of growing winter wheat in organic and integrated land management is closely related to the current weed infestation and field cr...

more abstract

winter wheat, weeds, weed control, sustainable systems

Presentation: oral

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The Influence of Sowing Density on Certain Plant and Cob Characters on Some Early Maize (Zea mays L.) Hybrids

pag. 217-225

Emilia TINCA, Ana COPÂNDEAN, Voichița V. HAȘ, Roxana E. CĂLUGĂR, A. VARGA, AB. GHETE, CG. BĂLAȘ-BACONSCHI, I. HAȘ

In the 2014-2015 years there were studied eight early maize hybrids (Zea mays L.), which were coming from ARDS Turda, and the research goal was to establish interactio...

more abstract

sowing densities, early maize hybrids, cob weight, leaf area

Presentation: oral

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Weed control in row crops (Helianthus annuus L., Beta vulgaris L. and Zea mays L.) on the interface of agro-climatic conditions of maize and sugar beet growing region

pag. 226-235

Jozef Smatana, Milan Macák, ȘtefanTȃr

In the experiment, we focused on the occurrence of weed density and weed diversity, in maize and sugar beet growing region and the effectiveness of herbicide treatments...

more abstract

row crops, herbicides control, weed density, weed diversity

Presentation: oral

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Internal zonation: a delicate issue – the case of Nera Gorges–Beușnița National Park (S-W Romania)

pag. 236-249

NICOLIN, A.-L., ARSENE, G.-G., PRUNAR, F.V., IMBREA, I.M., ARDELEAN, M., STĂNESCU, D., DUMA, I., BĂDESCU, B., BĂNĂȚEAN-DUNEA, I.

We present considerations about zoning protected areas and the algorithm of zonation of the Nera Gorges – Beușnița, a remarkable national park in S-W Romania. Functio...

more abstract

Nera Gorges – Beușnița, national park, management plan, conflicts, public acceptance

Presentation: oral

Download(/download/paper_version.paper_file.a10924a24ba2517c.4e69636f6c696e20657420616c2e20323031362076617269616e74612066696e616c6120206175746f.pdf)

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