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- Program -

INTERNATIONAL SYMPOSIUM

ISB-INMA TEH

**TECHNOLOGIES AND TECHNICAL SYSTEMS
IN AGRICULTURE, FOOD INDUSTRY
AND ENVIRONMENT**

- 2024 -

31 October – 1 November

October 31st, 2024

- ISB, D-101 Hall -

15⁰⁰ – 16⁰⁰

Participants registration

16⁰⁰ – 18⁰⁰

Opening speech

- Gigel PARASCHIV *State Secretary – Ministry of Education*
- Mihnea COSTOIU *Rector – National University of Science and Technology Politehnica Bucharest*
- Tudor PRISECARU *State Secretary – Ministry of Research, Innovation and Digitalization*
- Sorin Ștefan BIRIȘ *Dean - Faculty of Biotechnical Engineering Systems, National University of Science and Technology Politehnica Bucharest*
- Valentin VLĂDUȚ *General Manager, National Institute of Research-Development for Machines and Installations Designed for Agriculture and Food Industry – INMA Bucharest*

Keynote Speeches

- Adam EKIELSKI (University of Life Sciences Warsaw) - *Artificial Intelligence in Agriculture*
- Mihai Gabriel MATACHE (INMA Bucharest) – *Advancements in Agriculture 4.0.*
- Daniel LATEȘ (IRUM SA REGHIN) – *IRUM - 70 years of experience in agricultural tractors and forestry machinery from Romania*

18⁰⁰ – 21⁰⁰

Festive Dinner (ISB Faculty Building)

November 1st, 2024

9⁰⁰ – 09³⁰

Participants registration

9³⁰ – 11⁰⁰

Presentation of papers on sections (ORAL)

- SECTION 1 - *POWER AND MACHINERY (D-101 Hall)*
- SECTION 2 - *ECOLOGY & ENVIRONMENT (D-117 Hall)*
- SECTION 3 - *FOOD INDUSTRY (D-008 Hall)*
- SECTION 4 - *YOUNG PEOPLE (Ph.D. Students) (D-115 Hall)*

11⁰⁰ – 11³⁰

Coffee break

11³⁰ – 13³⁰

Presentation of papers on sections (ORAL)

- SECTION 1 - *POWER AND MACHINERY (D-101 Hall)*
- SECTION 2 - *ECOLOGY & ENVIRONMENT (D-117 Hall)*
- SECTION 3 - *FOOD INDUSTRY (D-008 Hall)*
- SECTION 4 - *YOUNG PEOPLE (Ph.D. Students) (D-115 Hall)*

9³⁰ – 12³⁰

Presentation of papers on sections (POSTER)

- ground floor hallway -

- All sections

13⁰⁰ - 14³⁰

Lunch

14³⁰-16³⁰

Workshops

- *PNRR C9_I5_CeSoH_PS1: Soil health and food safety by introducing a soil remediation protocol and developing a mobile remediation equipment to reduce the concentration of organic/inorganic pollutants (D-101 Hall)*
- *PNRR C9_I5_CeSoH_PS3: Fertile and healthy soil through conservative and biological practices (D-101 Hall)*

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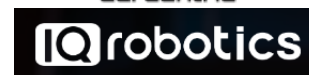


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SECTION 1 - POWER AND MACHINERY - ORAL PRESENTATION		SECTION 2 - ECOLOGY & ENVIRONMENT - ORAL PRESENTATION	
Chairman: MAICAN Edmond / EKIELSKI Adam / MATACHE Mihai		Chairman: UNGUREANU Nicoleta / ŻELAZIŃSKI Tomasz / VOICEA Iulian	
<p>EVALUATION OF SOME BY-PASS TYPE PRUNING SHEARS IN TERMS OF THEIR CUTTING FORCES DURING THE CUTTING OF PEAR BRANCHES / <i>BAZI BY-PASS TIPŪ BUDAMA MAKASLARININ ARMUT DALLARININ KEŞİMİ ESNASINDA KESME KUVVETLERİ AÇISINDAN DEĞERLENDİRİLMESİ</i> Esra Sedef MİRALOĞLU¹*, Ali TEKĞÜLER²*, Kemal Çağatay SELVİ³) ¹ LogD. Logistic Technology Environment Innovation, İstanbul / Turkey; ² Ondokuz Mayıs University, Samsun Vocational School, Program of Agricultural Machinery, Samsun / Turkey; ³ Ondokuz Mayıs University, Department of Agricultural Machinery and Technologies Engineering, Samsun / Turkey *Tel: 00 543 772 85 92; *E-mail: atekgul@omu.edu.tr</p>	930-945	<p>EXPERIMENTAL RESEARCH ON THE ESTABLISHMENT OF AGROFORESTRY CURTAINS USING THE EPF 1 FORESTRY SEEDLING PLANTING EQUIPMENT / <i>CERCETĂRI EXPERIMENTALE PRIVIND ÎNFIINTAREA PERDELELOR AGROFORESTIERE UTILIZĂND ECHIPAMENTUL DE PLANTAT PUIEȚI FORESTIERI EPF 1</i> Elena SORICĂ¹*, Nicolae-Valentin VLĂDUȚ¹*, Cristian Marian SORICĂ¹*, Dragoș ANGHELACHE¹*, Daniela TRIFAN²*, Nicolae POPESCU²*, Alexandru BECHERU³) ¹INMA Bucharest / Romania; ²ARDS Brăila / Romania; ³University POLITEHNICA Bucharest / Romania *Tel: (+40) 722 487 889; *E-mail: postelnicu.elena@yahoo.com</p>	930-945
<p>APPLICATION OF MACHINE LEARNING MODELS FOR PREDICTIVE MAINTENANCE OF BIOTECHNICAL SYSTEMS / <i>UTILIZAREA MODELELOR DE ÎNVĂȚARE AUTOMATĂ PENTRU MENTENANȚA PREDICTIVĂ A SISTEMELOR BIOTEHNICE</i> Adrian IOSIF¹*, Edmond MAICAN¹*, Sorin BIRIȘ¹*, Nicolae-Valentin VLĂDUȚ²) ¹Faculty of Biotechnical Systems Engineering, National University of Science and Technology POLITEHNICA Bucharest / Romania; ²INMA Bucharest / Romania *E-mail: aiosif@yahoo.com</p>	945-1000	<p>ASPECTS ON THE EFFICACY AND SELECTIVITY OF ACLONIFEN IN SUNFLOWER WEED CONTROL / <i>ASPECTE PRIVIND EFICACITATEA ȘI SELECTIVITATEA ACLONIFENULUI ÎN CONTROLUL BURUIENILOR DIN CULTURA FLORII-SOARELUI</i> Marga GRĂDILĂ¹*, Daniel JALOBĂ¹*, Valentin Marius CIONTU¹*, Raluca Monica CRISTEA¹*, Mihaela ȘERBAN²*, Victor PETCU²*, Eugen MARIN³*, Cătălina TUDORA³) ¹Research - Development Institute for Plant Protection - ICDPP, Bucharest / Romania; ² National Agricultural Research and Development Institute Fundulea / Romania; ³ INMA Bucharest / Romania *Tel: 0724 925 155; *E-mail: marga_gradila@yahoo.com</p>	945-1000
<p>INTEGRATED UAV TECHNOLOGIES USED IN THE ANALYSIS OF THE CONDITION OF CROPS IN VINEYARDS AND ORCHARDS / <i>TEHNOLOGII INTEGRATE UAV UTILIZATE ÎN ANALIZA STĂRII CULTURILOR DIN VII ȘI LIVEZI</i> George IPATE¹*, Iuliana GĂGEANU²*, Andreea - Nicoleta BURCEA¹*, Stefan DUMITRU¹*, Mădălina- Elena ȘTEFAN¹*, Dan CUJBESCU²*, Elena-Melania CISMARU²) ¹National University of Science and Technology POLITEHNICA Bucharest, Faculty of Biotechnical Systems Engineering / Romania; ²INMA Bucharest / Romania *E-mail: george.ipate@upb.ro; iulia.gageanu@gmail.com</p>	1000-1015	<p>USE OF CANNABIS SATIVA PLANT MASS / <i>UTILIZAREA MASEI DE PLANTE DE CANNABIS SATIVA</i> Florin NENCIU¹*, Iulian DUMITRU¹*, Alexandru IONESCU¹*, Gabriel NAE¹*, Valentin VLADUȚ¹*, Andreea Iulia GRIGORE¹*, Costin MIRCEA¹*, Laurentiu VLADUTOIU¹*, Mariana IONESCU²*, Lorena-Diana POPA³) ¹INMA Bucharest / Romania; ²National University of Science and Technology POLITEHNICA Bucharest / Romania; ³Secuieni Agricultural Research-Development Station / Romania *Tel: 0773 720 468; *E-mail: dumitru.iulian2016@gmail.com</p>	1000-1015
<p>STUDY OF THE KINETICS OF PEAT CRUSHING ON A VIBRATING MILL TO INCREASE FLOWABILITY / <i>ВИБЧЕННЯ КІНЕТИКИ ПОДРІБНЕННЯ ТОРФУ НА ВІБРАЦІЙНОМУ МЛІНІ ДЛЯ ЗБІЛЬШЕННЯ СІПУЧОСТІ</i> Oleksandr BEREZNIAK¹*, Olena BEREZNIAK¹*, Mykola KHARYTONOV²) ¹Dnipro University of Technology / Ukraine; ²Dnipro State Agrarian and Economic University / Ukraine *Tel: +38 (097) 936 65 80; *E-mail: berezniak.e.a@nmu.one</p>	1015-1030	<p>RESEARCH ON WOOL WASTE PROCESSING TECHNOLOGIES FOR USE IN AGRICULTURAL CROPS / <i>CERCETARI PRIVIND TEHNOLOGIILE DE PRELUCRARE A DESEURILOR DE LĂNĂ ÎN VEDEREA UTILIZĂRII ÎN CULTURILE AGRICOLE</i> Elena Mihaela NAGY¹*, Teodor Gabriel FODOREAN¹*, Teodora DEAC²*, Lucian FECHETE-TUTUNARU²) ¹ INMA Bucharest, Branch Cluj – Napoca / Romania; ² Technical University of Cluj-Napoca, Faculty of Automotive, Mechatronics and Mechanical Engineering / Romania *E-mail: nagy_m2002@yahoo.co.uk</p>	1015-1030
<p>INFLUENCE OF TIRE INFLATION PRESSURE ON FUEL CONSUMPTION AND WEAR RATE IN FREIGHT VEHICLES / <i>INFLUENȚA PRESIUNII DE UMFLARE A ANVELOPELOR ASUPRA CONSUMULUI DE COMBUSTIBIL ȘI A GRADULUI DE UZURĂ ÎN CAZUL AUTOVEHICULELOR DE TRANSPORT MARFĂ</i> Andrei Călin SZİRBE, Liviu Călin BOLUNDUȚ, Lucian Viorel FECHETE-TUTUNARU* Technical University of Cluj-Napoca / Romania *E-mail: Lucian.Fechete@auto.utcluj.ro</p>	1030-1045	<p>REALIZATION AND IMPLEMENTATION OF A PROJECT REGARDING THE DISTRIBUTION OF MANURE AT THE CURTICI AGROINDUSTRIAL COMPLEX IN ARAD COUNTY, USING A MODERN IRRIGATION SYSTEM / <i>REALIZAREA ȘI IMPLEMENTAREA UNUI PROIECT PRIVIND DISTRIBUIREA DE DEJECTII LA COMBINATUL AGROINDUSTRIAL CURTICI ÎN JUDEȚUL ARAD, UTILIZĂND O INSTALAȚIE DE IRIGAT MODERNĂ</i> Sorin-Tiberiu BUNGESCU¹*, Laurentiu CAUC²*, Valentin VLADUȚ³*, Sorin-Stefan BIRIS⁴*, Daniel POPA¹) ¹University of Life Sciences "KING MIHAI I" from TIMIȘOARA / Romania; ²MEWI Import - Export Agrar Industrietechnik S.R.L. / Romania; ³INMA Bucharest / Romania; ⁴National University of Science and Technology POLITEHNICA Bucharest / Romania *E-mail: sobungi@yahoo.com</p>	1030-1045
<p>EXPERIMENTAL STUDY ON THE ACOUSTIC CHARACTERISTICS OF A WIDE-SPECTRUM VIBROACOUSTIC NOISE REDUCTION SYSTEM BASED ON ELASTIC ELEMENTS / <i>STUDIUL EXPERIMENTAL PRIVITOR LA CARACTERISTICILE ACUSTICE ALE UNUI SISTEM VIBROACUSTIC DE REDUCERE A ZGOMOTULUI DE SPECTRU LARG BAZAT PE ELEMENTE ELASTICE</i> Nicolae ORĂȘANU*, Cristian- George DRAGOMIRESCU*, Andrei CRAIFALEANU* Department of Mechanics „Radu P. Voinea”, National University of Science and Technology POLITEHNICA Bucharest / Romania *E-mail: nicolae.orasanu@upb.ro</p>	1045-1100	<p>THE AFTEREFFECT OF SEWAGE SLUDGE AND GREEN MANURE APPLICATION ON TOPSOIL FERTILITY IN POST-MINING LANDS / <i>ЕФЕКТ ПІСЛЯДІЇ ВНЕСЕННЯ ОСАДІВ СТІЧНИХ ВОД І СІДЕРАТІВ НА РОДЮЧІСТЬ ВЕРХНЬОГО ШАРУ ҐРУНТУ НА РЕКУЛЬТИВОВАНИХ ПІСЛЯ ВИДОБУТКУ КОРИСНИХ КОПАЛИН ЗЕМЛЯХ</i> Mykola KHARYTONOV¹*, Mykhailo BABENKO¹*, Svitlana LEMISHKO¹*, Nadia MARTYNOVA²) ¹ Dnipro State Agrarian and Economic University, Dnipro / Ukraine; ² Dnipro National University, Dnipro / Ukraine *E-mail: kharytonov.m.m@dsau.dp.ua</p>	1045-1100
1100-1130: Coffee break			
<p>RESEARCH ON THE DEMANDS ACTING ON THE ROTOR OF A VACUUM PUMP FROM MILKING INSTALLATIONS USING THE FINITE ELEMENT METHOD / <i>CERCETARI PRIVIND SOLICITĂRILE CARE INTERVIN ASUPRA ROTORULUI UNEI POMPE DE VACUUM DE LA INSTALAȚIILE DE MILS FOLOSIND METODA ELEMENTELOR FINITE</i> Sorin-Tiberiu BUNGESCU¹*, George ANGHIOIU²*, Sorin-Stefan BIRIS³*, Valentin VLADUȚ⁴*, POPA Daniel¹) ¹University of Life Sciences "KING MIHAI I" from TIMIȘOARA / Romania; ²National University of Science and Technology POLITEHNICA Bucharest / Romania; ³INMA Bucharest / Romania; ⁴INMA Bucharest / Romania *E-mail: sobungi@yahoo.com</p>	1130-1140	<p>SUSTAINABILITY OF THE DENSIFICATION PROCESS OF THE BIOMASS RESULTED FROM VINE WINTER PRUNING / <i>SUSTENABILITATEA DENSIFICĂRII BIOMASEI REZULTATĂ DE LA TĂIERILE DE FRUCTIFICARE A VITEI DE VIE</i> Ioan ȚENU¹*, Radu ROȘCA¹*, Cecilia ROMAN²*, Lacrimioara SENILA²*, Oana-Raluca CORDUNEANU¹*, Petru CĂRLESCU¹) ¹ University of Life Sciences "Ion Ionescu de la Brad" Iași, Agricultural Machinery Department / Romania; ² INOE 2000 – ICIA / Romania *E-mail: rosca_rd@yahoo.com</p>	1130-1145

SECTION 1 - POWER AND MACHINERY - ORAL PRESENTATION		SECTION 2 - ECOLOGY & ENVIRONMENT - ORAL PRESENTATION	
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<p>KINEMATIC ANALYSIS OF THE LEG OF A SPIDER ROBOT / ANALIZA CINEMATICA A PICIORULUI UNUI ROBOT DE TIP PAIANJEN Sorin NEGROIU, Andrei CRAIFALEANU* National University of Science and Technology POLITEHNICA Bucharest / Romania *E-mail: ycraif@yahoo.com</p>	11 ⁴⁰ -11 ⁵⁰	<p>MODERN DECONTAMINATION APPROACHES THAT USE MICROORGANISMS EXTRACTED FROM COMPOST / ABORDARI MODERNE DE DECONTAMINARE CARE FOLOSESC MICROORGANISME OBTINUTE DIN COMPOST Florin NENCIU*¹, Gabriel NAE¹, Andreea MATACHE¹, Irina ISTRATE², Lavinia BERCA³, Manuela RASCOL³, Simona ISTICIOAIA⁴ ¹INMA Bucharest / Romania; ²National University of Science and Technology POLITEHNICA Bucharest / Romania; ³IABA Bucharest / Romania; ⁴ ARDS Secuiei / Romania *E-mail: florin_nenciu2000@yahoo.com</p>	11 ⁴⁰ -11 ⁵⁰
<p>APPLICATION OF AN ARTIFICIAL INTELLIGENCE ALGORITHM TO THE CONTROL OF A MECHANICAL COMPONENT OF AN AGRICULTURAL ROBOTS / ZASTOSOWANIE ALGORYTMU SZTUCZNEJ INTELIGENCJI DO STEROWANIA KOMPONENTEM MECHANICZNYM ROBOTA ROLNICZEGO Adam EKIELSKI*¹, Tomasz ŻELAZIŃSKI¹, Paweł SOBCZAK² ¹Warsaw University of Life Sciences, Department of Production Engineering, Warsaw University of Life Sciences, / Poland; ²Department of Food Engineering and Machines, University of Life Sciences in Lublin / Poland *E-mail: adam_ekielski@sggw.edu.pl; pawel.sobczak@up.lublin.pl</p>	11 ⁵⁰ -12 ⁰⁰	<p>HARNESSING BENEFICIAL MICROORGANISMS FOR THE REGENERATION OF ARID SOILS - A REVIEW / VALORIFICAREA MICROORGANISMELOR BENEFICE PENTRU REGENERAREA SOLURILOR ARIDE – REVIEW Lavinia-Diana-Nicoleta BUTURUGĂ-BARBU^{1,2}, Oana-Alina BOIU-SICUIA^{1,2}*, Cristina Maria LUMINARE^{1,2}, Daniel-Nicolae COJANU^{1,2}, Sorina DINU¹, Nicolae-Valentin VLADUȚ³ ¹Research - Development Institute for Plant Protection, Bucharest / Romania; ² University of Agronomic Sciences and Veterinary Medicine of Bucharest, Faculty of Biotechnologies / Romania; ³INMA Bucharest / Romania *E-mail: sicuiua_oana@yahoo.com; Phone : 004-021-2693231</p>	11 ⁵⁰ -12 ⁰⁰
<p>THEORETICAL AND EXPERIMENTAL RESEARCH REGARDING THE VERIFICATION OF MACHINES FOR COMBATING EXISTING DISEASES AND PESTS WITHIN THE FARM "CĂRUNTU C. GHEORGHE" INDIVIDUAL ENTERPRISE FROM THE TOWN OF GIARMATA, JUD. TIMIȘ / CERCETĂRI TEORETICE ȘI EXPERIMENTALE PRIVIND VERIFICAREA MAȘINILOR PENTRU COMBATEREA BOLILOR ȘI DAUNĂTORILOR EXISTENTE ÎN CADRUL FERMEI "CĂRUNTU C. GHEORGHE" ÎNȚREPRINDERE INDIVIDUALĂ DIN LOCALITATEA GIARMATA, JUD. TIMIȘ Sorin Tiberiu BUNGESCU¹, Ion HARCAU², Valentin VLADUȚ³, Sorin-Stefan BIRIS⁴, POPA¹, Anisoara DUMA COPCEA¹, Veaceslav MAZARE¹ ¹University of Life Sciences "KING MIHAI I" from TIMIȘOARA / Romania; ²Beayne Agrorom SRL / Romania; ³INMA Bucharest / Romania; ⁴National University of Science and Technology POLITEHNICA Bucharest / Romania *E-mail: sobungi@yahoo.com</p>	12 ⁰⁰ -12 ¹⁰	<p>INFLUENCE OF ADDITION OF SELECTED RAW MATERIALS TO PLA FILAMENT ON MECHANICAL PROPERTIES AND BIODEGRADABILITY OF SAMPLES OBTAINED BY FDM TECHNOLOGY / WPŁYW DODATKU WYBRANYCH SUROWCÓW UTYLIZACYJNYCH DO FILAMENTU PLA NA WŁAŚCIWOŚCI MECHANICZNE ORAZ BIODEGRADOWALNOŚĆ PROBEK UZYSKANYCH TECHNOLOGII FDM Jacek MAZUR*¹, Paweł SOBCZAK¹, Marian PANASIEWICZ¹, Patrycja ŁUSIAK¹, Marta KRAJEWSKA², Paweł FINDURA³, Sławomir OBIDZIŃSKI⁴, Wioletta ŻUKIEWICZ-SOBCZAK^{2, 5} ¹ Department of Food Engineering and Machines, University of Life Science in Lublin, Lublin / Poland; ²Department of Biological Bases of Food and Feed Technologies, University of Life Science in Lublin / Poland; ³Slovak University of Agriculture in Nitra, Faculty of Engineering / Slovakia; ⁴Department of Agri-Food Engineering and Environmental Management, Białystok University of Technology / Poland; ⁵Department of Nutrition and Food, University of Kalisz / Poland *E-mail: jacek.mazur@up.lublin.pl</p>	12 ⁰⁰ -12 ¹⁰
<p>SOFTWARE APPLICATION FOR DETERMINING THE QUALITY INDICES OF SPRAYING WORKS / APLICAȚIE SOFTWARE PENTRU DETERMINAREA INDICILOR CALITATIVI AI LUCRĂRILOR DE STROPIT Marius Ioan GHERES*¹, Nicolae FILIP¹, Mihaela NAGY², Marinela GHERES³, Ovidiu RANTA⁴, Iacob-Liviu SCURTU¹, Ioan SZABO¹ ¹ Technical University of Cluj-Napoca / Romania; ² INMA - Bucharest / Romania; ³ Babes Bolyai University of Cluj-Napoca / Romania; ⁴ University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca / Romania *E-mail: Marius.Gheres@auto.utcluj.ro</p>	12 ¹⁰ -12 ²⁰	<p>EDUCATIONAL PLATFORM FOR ASSESSING EFFICIENCY IN ELECTROMECHANICAL ENERGY TRANSFORMATION SYSTEMS / PLATFORMĂ EDUCAȚIONALĂ PENTRU EVALUAREA EFICIENȚEI ÎN SISTEMELE ELECTROMECHANICE George Bogdan BANIAS¹, Mihai OLAN², Lucian Viorel FECHETE-TUTUNARU¹ ¹Technical University of Cluj-Napoca / Romania; ²INMA Bucharest / Romania *E-mail: Lucian.Fechete@auto.utcluj.ro</p>	12 ¹⁰ -12 ²⁰
<p>EQUIPMENT AND TECHNOLOGY FOR THE PRODUCTION OF ORGANIC FEED FOR BIRDS / ECHIPAMENT ȘI TEHNOLOGIE PENTRU PRODUCȚIA FURAJELOR ÎN PENTRU PASĂRI Mihai OLAN*¹, Iulian VOICEA¹, Valentin VLADUȚ¹, Alexandru ZAICA¹, Laurentiu VLADUTOIU¹, George BANIAS² ¹INMA Bucharest / Romania; ²Technical University of Cluj-Napoca / Romania *E-mail: olaninma@gmail.com; valentin_vladut@yahoo.com</p>	12 ²⁰ -12 ³⁰	<p>BRIQUETTE PRODUCTION FROM BLUEBERRY PRUNING WASTES USING A PROTOTYPE BRIQUETTING MACHINE / PROTOTIP BRIKETLEME MAKİNESİ KULLANILARAK YABAN MERİSİNİ BUDAMA ATIKLARINDAN BRIKET ELDE EDİLMESİ Önder KABAS Akdeniz University, Technical Science Vocational School, Department of Machine, Antalya, Türkiye Tel: +90 242 3106700; E-mail: okabas@akdeniz.edu.tr</p>	12 ²⁰ -12 ³⁰
<p>SOLUTIONS BASED ON ARTIFICIAL INTELLIGENCE FOR TOMATO LEAF DISEASE IDENTIFICATION / SOLUȚII BAZATE PE INTELIGENȚĂ ARTIFICIALĂ PENTRU IDENTIFICAREA BOLILOR FRUNZELOR DE TOMATE Mihai Gabriel MATACHE*, Robert CRISTEA, Dorin CIRSTEA, Mariana EPURE National Institute of Research - Development for Machines and Installations Designed to Agriculture and Food Industry - INMA Bucharest / Romania *E-mail: gabimatache@yahoo.com</p>	12 ³⁰ -12 ⁴⁰	<p>SUBSTANTIATION OF DIGITAL TOOLS FOR OPEN INNOVATION / FUNDAMENTAREA INSTRUMENTELOR DIGITALE PENTRU INOVAREA DESCHISA Raluca SFIRU*, Cornelia MURARU-IONEL, Vergil-Marian MURARU, Simona-Izabella BIRIS National Institute of Research – Development for Machines and Installations Designed for Agriculture and Food Industry – INMA Bucharest / Romania *E-mail: raluca_sfiru@yahoo.com</p>	12 ³⁰ -12 ⁴⁰
<p>COMPARATIVE STUDY ON EQUIPMENT FOR THINNING FRUIT TREE INFLORESCENCES / STUDIU COMPARATIV ASUPRA ECHIPAMENTELOR DE RĂRIT ÎN FLORESCENȚA POMILOR FRUCTIFERI Ana ZAICA*¹, Radu CIUPERCĂ¹, Lucreția POPA¹, Vasilica ȘTEFAN¹, Alexandru ZAICA¹, Elena-Melania CISMARU¹, Dragos-Nicolae DUMITRU¹, Gabriel-Ciprian TELIBAN² ¹INMA Bucharest / Romania; ²Ion Ionescu de la Brad" University of Life Sciences Iași / Romania *Tel: 0728 977 317; *E-mail: zaica_ana@yahoo.com</p>	12 ⁴⁰ -12 ⁵⁰	<p>STUDY REGARDING THE INFLUENCE OF THE MECHANICAL PROPERTIES BY THE PROCESSING PARAMETERS IN THE CASE OF TERNARY BIOPOLYMER BLENDS / STUDIU PRIVIND INFLUENȚA ASUPRA PROPRIETĂȚILOR MECANICE A PARAMETRIILOR DE PRELUCRARE ÎN CAZUL AMESTECURILOR TERNARE DE BIOPOLIMERI Teodor Gabriel FODOREAN¹, Elena Mihaela NAGY¹, Nicolae CIOICA¹, Teodora DEAC² ¹ INMA Bucharest, Branch Cluj – Napoca; ²Technical University of Cluj-Napoca, Cluj County / Romania *Tel: +40 264 418 162; *E-mail: gabrielfodorean@yahoo.com</p>	12 ⁴⁰ -12 ⁵⁰
<p>RESEARCH ON THE USE OF TIRES AND RUBBER TRACKS IN AGRICULTURAL TECHNOLOGY CURRENTLY USED WORLDWIDE / CERCETĂRI CU PRIVIRE LA UTILIZAREA ANVELOPELOR ȘI SENILELOR DE CAUCIUC ÎN TEHNICA AGRICOLĂ UTILIZATĂ LA ORA ACTUALĂ PE PLAN MONDIAL Sorin Tiberiu BUNGESCU*¹, Norbert GONCZ², Sorin-Stefan BIRIS³, Valentin VLADUȚ⁴, Daniel POPA¹, Anisoara DUMA COPCEA¹, Veaceslav MAZARE¹ ¹University of Life Sciences "KING MIHAI I" from TIMIȘOARA / Romania; ²IMPAR SRL / Romania; ³National University of Science and Technology POLITEHNICA Bucharest / Romania; ⁴INMA Bucharest / Romania *E-mail: sobungi@yahoo.com</p>	12 ⁵⁰ -13 ⁰⁰	<p>THE ROLE OF SHEEP WOOL WASTE AS A SUSTAINABLE FERTILIZER IN AGRICULTURE: POTENTIAL, CHALLENGES, AND FUTURE DIRECTIONS / ROLUL DEȘEURILOR DE LÂNĂ DE OAIE CA ÎNGRĂȘĂMÂNT SUSTENABIL ÎN AGRICULTURĂ: POTENȚIAL, PROVOCĂRI ȘI DIRECȚII VIITOARE Dragoș Vasile NICA*¹, Gabriel FODOREAN¹, Mihaela NAGY¹, Eveline Anda LAZA¹ 1) INMA - National Institute for Research-Development of Machines & Installations for Agriculture Tel: 00407737740721; E-mail: nicdragos@gmail.com</p>	12 ⁵⁰ -13 ⁰⁰
<p>KINEMATIC STUDY OF A ROBOTIC COMPONENT WITH RELATIVE MOTION / STUDIUL CINEMATIC AL UNEI COMPONENTE ROBOTICE CU MIȘCARE RELATIVĂ Florinel LUPU*, Andrei CRAIFALEANU* National University of Science and Technology POLITEHNICA Bucharest, Faculty of Biotechnical Systems Engineering / Romania *Tel: 0758.727.272; *E-mail: autokingdomlupu@gmail.com; *Tel: 021.402.92.50; *E-mail: ycraif@yahoo.com</p>	13 ⁰⁰ -13 ¹⁰	<p>RESISTANCE OF PLASMOPARA VITICOLA OOSPORES TO PESTICIDES / REZISTENȚA OOSPORILOR DE PLASMOPARA VITICOLA LA PESTICIDE Marian LIXANDRU*¹, Sergiu FENDRIHAN*², Ion LEVEANU¹ ¹ICDPP Bucharest / Romania; ²INCDPM Bucharest / Romania *E-mail: secretariat_general@icdpp.ro, secretariat stiintific@icdpp.ro; *E-mail: incdpm@incdpm.ro</p>	

SECTION 3 - FOOD INDUSTRY - ORAL PRESENTATION		SECTION 4 – YOUNG PEOPLE (PhD students School “BSE”) - ORAL PRESENTATION	
Chairman: VOICU Gheorghe / SORICĂ Cristian / BEGEA Mihaela		Chairman: COVALIU-MIERLĂ Cristina / GĂGEANU Iuliana <small>*BSE: PhD students School “Biotechnical Systems Engineering”</small>	
TECHNOLOGICAL SCHEMES FOR THE PRODUCTION OF FOOD LECITHIN BASED ON DIFFERENT EXTRACTION METHODS / АНАЛІЗ ТЕХНОЛОГІЧНИХ СХЕМ ВИРОБНИЦТВА ХАРЧОВОГО ЛЕЦИТИНУ, ЗАСНОВАНИХ НА РІЗНИХ МЕТОДАХ ЕКСТРАКЦІЇ Maryna LUTSENKO¹⁾, Gregorio PERON²⁾, Kalyna VIKTORIIA³⁾ <small>¹⁾ Luhansk Taras Shevchenko National University, Poltava / Ukraine; ²⁾ Department of Molecular and Translational Medicine, University of Brescia / Italy; ³⁾ Department of Food Technologies, Dnipro State Agrarian and Economic University, Dnipro / Ukraine <i>*E-mail: maryna.lutsenko11@gmail.com</i></small>	9 ³⁰ -9 ⁴⁰	NUMERICAL PERFORMANCE STUDY OF A TREE-SHAPED WIND TURBINE INTENDED FOR INHABITED REGIONS / STUDIU NUMERIC AL PERFORMAN EI UNEI TURBINE EOLIENE ÎN FORMĂ DE COPAC DESTINATĂ REGIUNILOR LOCUITE Bogdan Ovidiu DURAN¹⁾, Adrian PANDELE¹⁾, Dragos Mihail PREDA¹⁾, Gheorghe VOICU¹⁾, Mihai-Gabriel MATACHE²⁾ <small>¹⁾National University of Science and Technology POLITEHNICA Bucharest / Romania; ²⁾ INMA Bucharest / Romania <i>* Tel: +40 749 995 555; +40 724715585; *E-mail: bogdan.o.duran@gmail.com, gheorghe.voicu@upb.ro</i></small>	9 ³⁰ -9 ⁴⁰
INFLUENCE OF SOWING TIME ON YIELD COMPONENTS OF WINTER BARLEY (HORDEUM VULGARE L.) / INFLUENȚA EPOCII DE SEMĂNAT ASUPRA COMPONENTELOR PRODUCȚIEI ORZULUI DE TOAMNĂ (HORDEUM VULGARE L.) Raluca Monica CRISTEA^{1,2)}, Marga GRĂDILĂ^{1,2)}, Daniel JALOBĂ^{1,2)}, Valentin-Marius CIONTU^{1,2)}, Doru MARIN²⁾, <small>¹⁾ Research-Development Institute for Plant Protection – ICDPP Bucharest / Romania; ²⁾ University of Agronomic Sciences and Veterinary Medicine of Bucharest / Romania <i>*Tel: + 40 212 693 231; *Fax: + 40 212 693 239; *E-mail: raluca.cristea98@yahoo.com</i></small>	9 ⁴⁰ -9 ⁵⁰	DATA ACQUISITION USING NI6001 AND LABVIEW AND THE DEVELOPMENT OF A MACHINE LEARNING SYSTEM USING THE ACQUIRED DATA FOR MODELING A HEAT TRANSFER PROCESS / ACHIZIȚIA DE DATE FOLOSIND NI6001 ȘI LABVIEW ȘI DEZVOLTAREA UNUI SISTEM DE ÎNVĂȚARE AUTOMATĂ FOLOSIND DATELE ACHIZITIONATE, ÎN VEDEREA MODELĂRII UNUI PROCES DE TRANSFER TERMIC Andrei-Marian GHEORGHE¹⁾, Adrian IOSIF²⁾, Eduard-Nicolae RĂCMAN¹⁾, Dragoș ANGHELACHE²⁾ <small>¹⁾National University of Science and Technology POLITEHNICA Bucharest, Faculty of Biotechnical Systems Engineering / Romania; ²⁾ INMA Bucharest / Romania <i>*E-mail: aiosif@yahoo.com</i></small>	9 ⁴⁰ -9 ⁵⁰
POLYPHENOLIC PHYTOCHEMICAL COMPOSITION AND BIOACTIVE PROPERTIES RASPBERRY (RUBUS IDAEUS L.) FROM ORGANIC, AGROFORESTRY AND CONVENTIONAL CULTIVATION SYSTEMS / COMPOZIȚIA FITOCHEMICĂ POLIFENOLICĂ ȘI PROPRIETĂȚILE BIOACTIVE ALE ZMEURII (RUBUS IDAEUS L.) DIN SISTEMELE DE CULTIVARE ORGANICĂ, AGROSILVICĂ ȘI CONVENȚIONALĂ Elisabeta-Irina GEANĂ*, Corina Teodora CIUCURE, Adelina CONSTANTIN, Oana Romina BOTORAN, Roxana Elena IONETE <small>National Research and Development Institute for Cryogenics and Isotopic Technologies – ICSI, Râmnicu Vâlcea / Romania <i>*E-mail: irina.geana@icsi.ro</i></small>	9 ⁵⁰ -10 ⁰⁰	OPTIMIZATION OF SOIL SAMPLING: INTEGRATING MODERN EQUIPMENT AND METHODS / OPTIMIZAREA PRELEVĂRII PROBELOR DE SOL: INTEGRAREA ECHIPAMENTELOR ȘI METODELOR MODERNE Alexandru IONESCU¹⁾, Nicolae-Valentin VLADUȚ¹⁾, Costin MIRCEA¹⁾, Iulian DUMITRU¹⁾, Gheorghe STROESCU¹⁾, Robert BLEJAN²⁾, Cătălin LAZĂR³⁾, Claudiu UTOIU⁴⁾, Dragoș-Mihail PREDA⁵⁾ <small>¹⁾INMA Bucharest / Romania; ²⁾ INOE 2000 - Subsidiary Hydraulics and Pneumatics Research Institute, Bucharest / Romania; ³⁾National Institute of Research for Agricultural Development, Fundulea / Romania; ⁴⁾National Institute of Research-Development for Food Bioresources, Bucharest / Romania; ⁵⁾ ROLIX IMPEX SERIES SRL / Romania <i>*E-mail: alex.alex12alx@gmail.com</i></small>	9 ⁵⁰ -10 ⁰⁰
EVALUATION OF PRODUCTIVITY AND QUALITY OF DIFFERENT VARIETIES OF UKRAINIAN GROUP OF NICOTIANA RUSTICA / ОЦІНКА ВРОЖАЙНОСТІ ТА ЯКОСТІ РІЗНИХ УКРАЇНСЬКИХ СОРТІВ УКРАЇНСЬКОЇ ГРУПИ NICOTIANA RUSTICA Caroline SHEYDIK¹⁾, Mykola KHARYTONOV²⁾ <small>¹⁾ Uzhgorod National University, Uzhgorod / Ukraine; ²⁾ Dnipro State Agrarian and Economic University, Dnipro / Ukraine <i>*E-mail: kharytonov.m.@dsau.dp.ua</i></small>	10 ⁰⁰ -10 ¹⁰	CONVERTING BIOMASS INTO BIOCHAR. USES OF BIOCHAR / TRANSFORMAREA BIOMASEI ÎN BIOCHAR. ÎNTREBUINȚĂRILE BIOCHARULUI Nicoleta-Alexandra VANGHELE^{1,2)}, Nicolae-Valentin VLADUȚ¹⁾, Laurențiu VLADUȚOIU¹⁾, Andreea MATACHE¹⁾, Augustina PRUTEANU¹⁾, Mirela-Nicoleta DINCĂ²⁾ <small>¹⁾INMA Bucharest, Romania; ²⁾National University of Science and Technology POLITEHNICA Bucharest, Faculty of Biotechnical Systems <i>*Tel: (+40) 212 693 457; *E-mail: laurentiuvladutoiu82@gmail.com</i></small>	10 ⁰⁰ -10 ¹⁰
THE BREEDING OF NEW HYBRIDS WITH BROOM AND SWEET SORGHUM VARIETIES USING AS POLLINATORS FOR CULTIVATION IN THE MARGINAL LANDS OF UKRAINE / СЕЛЕКЦІЯ НОВИХ ГІБРИДІВ З ВИКОРИСТАННЯМ СОРТІВ ВІНИКОВОГО ТА ЦУКРОВОГО СОРГО ДЛЯ ВИРОЩУВАННЯ НА МАРГІНАЛЬНИХ ЗЕМЛЯХ УКРАЇНИ Maksym NOSOV, Mykola KHARYTONOV* <small>Dnipro State Agrarian and Economic University, Dnipro / Ukraine <i>*E-mail: kharytonov.m.m@dsau.dp.ua</i></small>	10 ¹⁰ -10 ²⁰	THE USE OF SLAG AND AGRICULTURAL WASTES AS ALTERNATIVE MATERIALS IN WASTEWATER TREATMENT PROCESSES / UTILIZAREA ZGURII ȘI A DEȘEURILOR AGRICOLE CA MATERIALE ALTERNATIVE ÎN PROCESELE DE EPURARE A APELOR UZATE Cristina-Ileana COVALIU-MIERLĂ*, Sorin IONESCU <small>National University of Science and Technology Politehnica Bucharest / Romania <i>*E-mail: cristina_covaliu@yahoo.com</i></small>	10 ¹⁰ -10 ²⁰
STUDY REGARDING THE INFLUENCE OF TREATMENT WITH DECOCTIONS OF CALENDULA OFFICINALIS L. AND CAPSICUM FRUTESCENS L. ON THE GERMINATION OF MAIZE SEEDS USING THE VACUUM IMBIBITION METHOD / STUDIU PRIVIND INFLUENȚA TRATAMENTULUI CU DECOCTURI DE CALENDULA OFFICINALIS L. ȘI CAPSICUM FRUTESCENS L. ASUPRA GERMINĂȚIEI SEMINȚELOR DE PORUMB FOLOSIND METODA ÎMBIBĂRII PRIN VACUUMARE Violel FATU¹⁾, Gheorghe VOICU²⁾, Roxana ZAHARIA¹⁾, Mariana POPA¹⁾, Ana DINU¹⁾, Paula TUDOR²⁾, Iulian VOICEA³⁾ <small>¹⁾ICDPP Bucharest / Romania; ²⁾National University of Science and Technology POLITEHNICA Bucharest / Romania; ³⁾INMA Bucharest / Romania <i>*Tel: 004-021-2693231 (32, 34); *E-mail: fatu_violel@yahoo.com</i></small>	10 ²⁰ -10 ³⁰	ASPECTS REGARDING THE NATURAL ENVIRONMENT OF THE MUNICIPALITY OF ROSIORI DE VEDE / ASPECTE PRIVIND MEDIUL NATURAL DIN MUNICIPIUL ROSIORI DE VEDE Maria-Magdalena CERNAT POPA¹⁾* Carmen-Otilia RUSĂNESCU¹⁾, Gheorghe VOICU¹⁾, Raluca-Lucia DINCULOIU¹⁾, Anca Ștefania MAXIM²⁾, Aura-Elena MĂNĂILĂ¹⁾, Oana CRISTEA³⁾ <small>¹⁾National University of Science and Technology POLITEHNICA Bucharest - Faculty of Biotechnical Systems Engineering / Romania; ²⁾University POLITEHNICA Bucharest, Faculty of Automatic Control and Computer Sciences / Romania; ³⁾INMA Bucharest / Romania <i>*E-mail: maria.cernat@stud.isb.upb.ro</i></small>	10 ²⁰ -10 ³⁰
EVALUATION OF THE PRODUCTIVITY OF NEW HYBRIDS OF SWEET AND BROOM SORGHUM FOR THE PRODUCTION OF BIOFUEL ON THE MARGINAL LANDS OF THE STEPPE ZONE OF UKRAINE / ОЦІНКА ПРОДУКТИВНОСТІ НОВИХ ГІБРИДІВ ЦУКРОВОГО ТА ВІНИЧНОГО СОРГО ДЛЯ ВИРОБНИЦТВА БІОПАЛИВА НА МАРГІНАЛЬНИХ ЗЕМЛЯХ СТЕПОВОЇ ЗОНИ УКРАЇНИ Mykola KHARYTONOV¹⁾, Mykhailo BABENKO¹⁾, Maksim NOSOV²⁾, Vasyli HAMANDI³⁾ <small>¹⁾Dnipro State Agrarian and Economic University, Dnipro / Ukraine; ²⁾Institute of Grain Crops NAASU, Dnipro / Ukraine <i>*Tel: +38-0973 456 227; *E-mail: kharytonov.m.m@dsau.dp.ua</i></small>	10 ³⁰ -10 ⁴⁰	COMPOSTING TECHNOLOGIES AND EQUIPMENT: A REVIEW / TEHNOLOGII ȘI ECHIPAMENTE DE COMPOSTARE, REVIEW Elena-Melania CISMARU¹⁾, Nicolae VLADUȚ¹⁾, Elena-Mădălina ȘTEFAN²⁾ <small>¹⁾ National Institute of Research - Development for Machines and Installations Designed to Agriculture and Food Industry - INMA Bucharest / Romania; ²⁾National University of Science and Technology POLITEHNICA Bucharest / Romania <i>*Tel: 0730 221 773; *E-mail: celenamelania2@gmail.com</i></small>	10 ³⁰ -10 ⁴⁰
MULTISPECTRAL ASSESSMENT OF FOUR SEEDLINGS OF AVOCADO ROOTSTOCKS DIFFERENT REACTION TO SALT STRESS / EVALUACIÓN MULTIESPECTRAL DE CUATRO PLÁNTULAS DE PORTAINJERTOS DE AGUACATE CON DIFERENTE REACCIÓN AL ESTRÉS SALINO Paloma HUESO - GONZALEZ^{1,2)}, Jose Damian RUIZ - SINOGA^{1,2)}, Jose Jorge GONZÁLEZ - FERNANDEZ³⁾, Jose Iñaki HORMAZA - URROZ³⁾, Artem ANDREIEV⁴⁾, Mykola KHARYTONOV^{1,5)} <small>¹⁾ Geomorphology and Soil Laboratory, Habitat Territory and Digitalization Institute, University of Málaga, Málaga / Spain; ²⁾ Geography Department, University of Málaga, Málaga / Spain; ³⁾ IHSM La Mayora-UMA-CSIC, Málaga / Spain; ⁴⁾ Geoinformation Technologies in Remote Sensing of the Earth Department, Scientific Centre for Aerospace Research, National Academy of Sciences of Ukraine, Kyiv / Ukraine; ⁵⁾ Nature Agriculture Centre, Dnipro State Agrarian and Economic University / Ukraine <i>*Tel: +38-0973 456 227; E-mail: kharytonov.m.m@dsau.dp.ua</i></small>	10 ⁴⁰ -11 ⁰⁰	COMPUTATIONAL FLUID DYNAMICS ANALYSIS OF LENZ-TYPE VERTICAL AXIS WIND TURBINE EFFICIENCY / ANALIZA EFICIENȚIEI TURBINEI EOLIENE CU AX VERTICALĂ DE TIP LENZ FOLOSIND DINAMICA FLUIDELOR COMPUTATIONALE Adrian PANDELE¹⁾, Bogdan Ovidiu DURAN¹⁾, Dragos Mihail PREDA¹⁾, Gheorghe VOICU¹⁾, Mariana EPURE²⁾ <small>¹⁾National University of Science and Technology POLITEHNICA Bucharest / Romania; ²⁾INMA Bucharest / Romania <i>*Tel: +40 722 655 056; *E-mail: adrian.pandele@arrows.ro</i></small>	10 ⁴⁰ -11 ⁰⁰
		STATIC STRUCTURAL ANALYSIS OF PNEUMATIC CONVEYOR SYSTEMS USING SOLIDWORKS SIMULATION / ANALIZA STRUCTURALĂ STATICĂ A SISTEMELOR TRANSPORTOARE PNEUMATICE FOLOSIND SOLIDWORKS SIMULATION Adriana Raluca ZOTA¹⁾, Nelus-Evelin GHEORGHITA¹⁾, Sorin-Stefan BIRIS¹⁾, Adrian IOSIF¹⁾, Alina-Daiana IONESCU¹⁾, Alin-Nicolae HARABAGIU²⁾ <small>¹⁾National University of Science and Technology POLITEHNICA Bucharest / Romania; ²⁾INMA Bucharest / Romania <i>*E-mail: evelin_gheorghita@yahoo.com</i></small>	10 ⁵⁰ -11 ⁰⁰

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Chairman: VOICU Gheorghe / SORICĂ Cristian / BEGEA Mihaela		Chairman: COVALIU-MIERLĂ Cristina / GĂGEANU Iuliana	
		*BSE: PhD students School “Biotechnical Systems Engineering”	
11⁰⁰-11³⁰: Coffee break			
<p>IMPROVING BREAD QUALITY BY INCORPORATING DEHYDRATED SOURDOUGH INTO WHEAT FLOUR / ÎMBUNĂȚIREA CALITĂȚII PĂINII PRIN ÎNCORPORAREA MAIELEI DESHIDRATATE ÎN FĂINA DE GRĂU Șerban Eugen CUCU¹⁾, Luiza Maria PASCAL¹⁾, Ovidiu Dan FLORIAN²⁾ ¹⁾National Institute of Research and Development for Food Bioresources – IBA Bucharest / Romania; ²⁾S.C. Bunătăria Florian SRL <i>Email: serban.cucu@bioresurse.ro</i></p>	11 ³⁰ -11 ⁴⁰	<p>BLACK SOLDIER FLY UTILIZATION FOR BIOCONVERSION OF FOOD WASTE IN EUROPEAN COUNTRIES- A REVIEW / UTILIZAREA MUȘTEI SOLDAT NEGRE PENTRU BIOCONVERSIA DEȘEURILOR ALIMENTARE ÎN ȚĂRILE EUROPENE - O REVIZUIRE Alina-Daiana IONESCU¹⁾, Nelus-Evelin GHEORGHITA^{*1)}, Raluca ZOTA¹⁾, Eveline-Anda LAZA²⁾ ¹⁾National University of Science and Technology POLITEHNICA Bucharest / Romania; ²⁾INMA Bucharest / Romania <i>*E-mail: evelin_gheorghita@yahoo.com</i></p>	11 ³⁰ -11 ⁴⁰
<p>COMPARATIVE STUDY OF THE EFFICIENCY OF PROCESSING EQUIPMENTS IN FRUIT GROWING AND VITICULTURE / STUDIUL COMPARATIV A EFICIENȚEI ECHIPAMENTELOR DE PRELUCRARE ÎN POMICULTURĂ ȘI VITICULTURĂ Dragoș ANGHELACHE^{1,2)}, Dragoș-Nicolae DUMITRU¹⁾, Ana-Maria TĂBĂRAȘU¹⁾, Elisabeta PRISACARIU¹⁾, Alin HARABAGIU¹⁾, Andrei-Marian GHEORGHE²⁾ ¹⁾INMA Bucharest / Romania; ²⁾ National University of Science and Technology POLITEHNICA Bucharest / Romania <i>*E-mail: dragos1989anghelache@gmail.com</i></p>	11 ⁴⁰ -11 ⁵⁰	<p>ANALYSIS OF THE PHYSICAL PARAMETERS OF THE TRAMPOLINES USED IN GYMNASTICS FOR JUMPING OVER THE GOAT AND OVER THE HORSE: A REVIEW / ANALIZA PARAMETRILOR FIZICI AI TRAMBULINELOR UTILIZATE ÎN GIMNASTICA PENTRU SARITURA PESTE CAPRA ȘI PESTE CAL; REVIEW Daniel DUMITRESCU¹⁾, Gheorghe VOICU^{*1)}, Liliana CALIOP ISCRU¹⁾, Bianca-Ștefania ZĂBĂVA¹⁾, Oana-Elena MILEA²⁾ ¹⁾ Department of Biotechnical Systems, National University of Science and Technology POLITEHNICA Bucharest / Romania; ²⁾INMA Bucharest / Romania; <i>*Tel: 07443 71 574; *E-mail: gheorghe.voicu@upb.ro</i></p>	11 ⁴⁰ -11 ⁵⁰
<p>COLLECTION AND DISPOSAL OF PRODUCTS WITH HIGH DUST CONTENT FROM GRAIN MILLS / COLECTAREA ȘI EVACUAREA PRODUSELOR CU CONȚINUT RIDICAT DE PRAF ÎN MORILE CU CEREALE Liliana CALIOP ISCRU¹⁾, Gheorghe VOICU^{*1)}, Daniel DUMITRESCU¹⁾, Magdalena-Laura TOMA¹⁾, Augustina PRUTEANU²⁾ ¹⁾Department of Biotechnical Systems, National University of Science and Technology POLITEHNICA Bucharest / Romania; ²⁾INMA Bucharest / Romania <i>*Tel: 0744 371 574; *E-mail: gheorghe.voicu@upb.ro</i></p>	11 ⁵⁰ -12 ⁰⁰	<p>CLIMATE CHANGES IN THE CITY OF PLOIESTI / SCHIMBĂRI CLIMATICE ÎN ORAȘUL PLOIEȘTI Corina STOIAN, Cristina-Ileana COVALIU-MIERLĂ* National University of Science and Technology Politehnica Bucharest / Romania <i>*E-mail: cristina_covaliu@yahoo.com</i></p>	11 ⁵⁰ -12 ⁰⁰
<p>INFLUENCE OF GRINDING TIME ON THE PARTICLE SIZE DISTRIBUTION WHEN OBTAINING ROSEHIPS POWDER / INFLUENȚA TIMPULUI DE MĂCINARE ASUPRA DISTRIBUȚIEI DIMENSIUNII PARTICULELOR LA OBTINEREA PULBERII DE MĂCEȘE Alina-Daiana IONESCU¹⁾, Gheorghe VOICU^{*1)}, Gabriel-Alexandru CONSTANTIN¹⁾, George IPATE¹⁾, Mariana FERDES¹⁾, Elena Mădălina ȘTEFAN¹⁾, Mihaela BEGEA¹⁾, Raluca ZOTA¹⁾, Costin MIRCEA²⁾ ¹⁾National University of Science and Technology POLITEHNICA Bucharest - Faculty of Biotechnical Systems Engineering / Romania; ²⁾INMA Bucharest / Romania <i>*Tel: 0724 715 585; *E-mail: ghvoicu_2005@yahoo.com</i></p>	12 ⁰⁰ -12 ¹⁰	<p>USE AND MECHANICAL BEHAVIOR OF RED MUD MIXTURES AND CEMENT IN CONSTRUCTION / UTILIZAREA ȘI COMPORTAREA MECANICĂ A AMESTECURILOR DE ȘLAM ROȘU ȘI CIMENT ÎN CONSTRUCȚII Augustin VOINEA^{*1)}, Gheorghe VOICU^{*1)}, Edmond MAICAN¹⁾, George IPATE¹⁾, Gabriel-Alexandru CONSTANTIN¹⁾, Gheorghe STROESCU²⁾ ¹⁾National University of Science and Technology POLITEHNICA Bucharest / Romania; ²⁾INMA Bucharest / Romania <i>* Tel: +40760 149 027; +40 724 715 585; *E-mail: august26g@yahoo.com, gheorghe.voicu@upb.ro</i></p>	12 ⁰⁰ -12 ¹⁰
<p>ANALYSIS OF AGRICULTURAL PRICE FLUCTUATIONS IN ROMANIA: A NATIONAL PERSPECTIVE ON 2019-2023 / ANALIZA FLUCTUAȚIILOR PREȚURILOR AGRICOLE ÎN ROMÂNIA: O PERSPECTIVĂ NAȚIONALĂ ASUPRA ANILOR 2019-2023 Corina CRUCERU, Iulian GHIULEANU USAMV Bucharest, Faculty of Management and Rural Development Branch Slatina / Romania; <i>*E-mail: c.cruceru19@yahoo.com</i></p>	12 ¹⁰ -12 ²⁰	<p>A NOVEL PHYTOREMEDIATION STRATEGY USING HELIANTHUS ANNUUS SEEDLINGS TO REMOVE COPPER FROM POLLUTED WATERS / METODA INOVATIVĂ DE FITOREMEDIERE PENTRU INDEPARTAREA CUPRULUI DIN APE POLUATE UTILIZAND PLANTE DE HELIANTHUS ANNUUS Alexandru BECHERU¹⁾, Cristina-Ileana COVALIU MIERLĂ¹⁾, Gigel PARASCHIV¹⁾, Sorin-Stefan BIRIS¹⁾, Elena SORICĂ²⁾ ¹⁾National University of Science and Technology POLITEHNICA Bucharest / Romania; ²⁾INMA Bucharest / Romania <i>*E-mail: cristina_covaliu@yahoo.com</i></p>	12 ¹⁰ -12 ²⁰
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<p>AQUAPONIC CULTURE SYSTEM / <i>SISTEMUL DE CULTURA ACVAPONIC</i> Vlad-Nicolae ARSENOAIA¹⁾, Iulian VOICEA²⁾, Florin NENCIU²⁾, Catalin PERSU²⁾, Dan CUJBESCU²⁾, Viorel FATU³⁾, Ioana Corina MOGA⁴⁾ ¹⁾Department of Pedotechnics, Faculty of Agriculture, "Ion Ionescu de la Brad" University of Agricultural 8 Sciences and Veterinary Medicine / Romania; ²⁾INMA Bucharest / Romania; ³⁾ Research Development Institute for Plant Protection - ICDPP Bucharest / Romania; ⁴⁾Romanian Academy, National Institute for Economic Research, Center for Study and Research for AgroForestry Biodiversity "Acad. David Davidescu" Bucharest / Romania <i>*E-mail: voicea_iulian@yahoo.com</i></p>	10 ¹⁵ -10 ²⁰	<p>MICROBIAL COMMUNITIES INVOLVED IN THE BIOREMEDIATION OF HYDROCARBON POLLUTED SOIL / <i>COMUNITĂȚI MICROBIENE IMPLICATE ÎN BIOREMEDIAREA SOLURILOR POLUATE CU HIDROCARBURI</i> Mariana FERDES*, Mirela-Nicoleta DINCĂ, Irina - Aura ISTRATE, Gabriel MUȘUROI, Gigel PARASCHIV, Elena-Valeria VLĂDUȚ National University of Science and Technology POLITEHNICA Bucharest / Romania <i>*E-mail: marianaferdes@yahoo.com</i></p>	10 ¹⁵ -10 ²⁰
<p>PRECISION AGRICULTURE - INNOVATIVE TECHNOLOGIES FOR INCREASING EFFICIENCY AND SUSTAINABILITY / <i>AGRICULTURA DE PRECIZIE - TEHNOLOGII INOVATOARE PENTRU CREȘTEREA EFICIENȚEI ȘI SUSTENABILITĂȚII</i> Iulian VOICEA¹⁾, Florin NENCIU¹⁾, Cătălin PERSU¹⁾, Dan CUJBESCU¹⁾, Remus OPRESCU¹⁾, Iuliana GĂGEANU¹⁾, Roxana ZAHARIA²⁾, Viorel FATU²⁾, Angela MOHORA³⁾, Vlad-Nicolae ARSENOAIA⁴⁾, Diana STEGARUS (POPESCU)⁵⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ ICDPP Bucharest / Romania; ³⁾ HORTING Bucharest / Romania; ⁴⁾ University of Agricultural Sciences and Veterinary Medicine Iasi / Romania; ⁵⁾ ICSI Râmnicu Vâlcea / Romania <i>*Tel: 0752 161 780; *E-mail: voicea_iulian@yahoo.com</i></p>	10 ²⁰ -10 ²⁵	<p>STUDIES AND RESEARCH ON WOOL WASTE AND ORGANIC ADDITIVES, IN THE CASE OF BACTERIA, REGARDING THEIR USE TO OBTAIN A BIOFERTILIZER MATERIAL / <i>STUDII ȘI CERCETĂRI ASUPRA DEȘEURILOR DE LÂNĂ ȘI A ADAOSURILOR ORGANICE, ÎN SPETĂ BACTERII, PRIVIND UTILIZAREA ACESTORA LA OBTINEREA UNUI MATERIAL BIOFERTILIZANT</i> Evelin-Anda LAZA¹⁾, Dragoș Vasile NICA¹⁾, Gabriel FODOREAN¹⁾, Elena-Mihaela NAGY¹⁾, Teodor VINTILA²⁾, Teodora TOADER²⁾, Igori BALTA²⁾, Alina-Daiana IONESCU³⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ University of Life Science "King Mihai I" from Timisoara / Romania; ³⁾National University of Science and Technology POLITEHNICA Bucharest / Romania <i>*Tel: 0741.122.570; *E-mail: eveline_anda@yahoo.com</i></p>	10 ²⁰ -10 ²⁵
<p>THE CURRENT STATE OF NEW EQUIPMENT USED IN ROMANIA FOR CLEANING, FERTILIZING, SEEDING, AND OVERSEEDING PERMANENT GRASSLANDS IN VARIOUS CONDITIONS OF DEGRADATION / <i>STADIUL ACTUAL AL ECHIPAMENTELOR NOI FOLOSITE ÎN ROMÂNIA PENTRU CURĂȚIREA, FERTILIZAREA, REÎNSĂMÂNȚAREA ȘI SUPRAÎNSĂMÂNȚAREA PAJIȘTILOR PERMANENTE AFLATE ÎN DIFERITE CONDIȚII DE DEGRADARE</i> Melania CISMARU¹⁾, Eugen MARIN¹⁾, Dragoș MANEA¹⁾, Marinela MATEESCU¹⁾, Vasile MOCANU²⁾, Tudor-Adrian ENE²⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ Research-Development Institute for Grassland, Brașov / Romania <i>*E-mail: celenamelania2@gmail.com</i></p>	10 ²⁵ -10 ³⁰	<p>STUDIES AND RESEARCH REGARDING THE TECHNICAL SOLUTIONS FOR BIOLOGICAL FILTRATION WITHIN INTENSIVE RECIRCULATING AQUACULTURE SYSTEMS / <i>STUDII ȘI CERCETĂRI PRIVIND SOLUȚII TEHNICE PENTRU FILTRAREA BIOLOGICĂ ÎN CADRUL SISTEMELOR ACVACOLE RECIRCULANTE</i> Evelin-Anda LAZA¹⁾, Dragoș Vasile NICA¹⁾, Gheorghe DOBROTĂ²⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ Nucet Fisheries Development Research Station / Romania <i>*Tel: 0741.122.570; *E-mail: eveline_anda@yahoo.com</i></p>	10 ²⁵ -10 ³⁰
<p>THE CURRENT STATE OF NEW EQUIPMENT USED WORLDWIDE FOR CLEANING, FERTILIZING, SEEDING, AND OVERSEEDING PERMANENT GRASSLANDS IN VARIOUS STAGES OF DEGRADATION / <i>STADIUL ACTUAL AL ECHIPAMENTELOR NOI FOLOSITE PE PLAN MONDIAL PENTRU CURĂȚIREA, FERTILIZAREA, REÎNSĂMÂNȚAREA ȘI SUPRAÎNSĂMÂNȚAREA PAJIȘTILOR PERMANENTE AFLATE ÎN DIFERITE CONDIȚII DE DEGRADARE</i> Melania CISMARU¹⁾, Eugen MARIN¹⁾, Dragoș MANEA¹⁾, Marinela MATEESCU¹⁾, Vasile MOCANU²⁾, Tudor-Adrian ENE²⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ Research-Development Institute for Grassland, Brașov / Romania <i>*E-mail: celenamelania2@gmail.com</i></p>	10 ³⁰ -10 ³⁵	<p>RESEARCH ON THE IN-SITU EVALUATION OF CERTAIN PHYSICO-CHEMICAL PROPERTIES OF THE SOIL, IN ORDER TO ESTABLISH BIOMASS CROPS ON TAILINGS DUMPS / <i>CERCETĂRI PRIVIND EVALUAREA IN SITU A ANUMITOR PROPRIETĂȚI FIZICO-CHIMICE ALE SOLULUI, ÎN VEDEREA ÎNFIINȚĂRII UNOR CULTURI DE BIOMASĂ PE HALDE DE STERIL</i> Cristian Marian SORICĂ¹⁾, Nicolae-Valentin VLĂDUȚ¹⁾, Elena SORICĂ¹⁾, Laurentiu VLĂDUȚOIU¹⁾, Remus OPRESCU¹⁾, Victor GAVRILĂ¹⁾, Emilia DUNCA²⁾, Carmen-Otilia RUSĂNESCU³⁾, Chiriță Alexandru-POLIFRON⁴⁾ ¹⁾INMA Bucharest / Romania; ²⁾University of Petrosani / Romania; ³⁾National University of Science and Technology POLITEHNICA Bucharest / Romania; ⁴⁾ INOE 2000-IHP / Romania <i>*Tel: (+40) 728 045 004; *E-mail: cri_sor2002@yahoo.com</i></p>	10 ³⁰ -10 ³⁵
<p>AGRICULTURAL ROBOTS - STATE OF THE ART / <i>ROBOȚI AGRICOLI - STADIU ACTUAL</i> Mariana EPURE¹⁾, Florin Bogdan MARIN²⁾, Robert CRISTEA³⁾, Alexandru IONESCU³⁾, Mihai Gabriel MATACHE³⁾, Adrian PANDELE³⁾ ¹⁾INMA Bucharest / Romania; ²⁾University "Dunărea de Jos" in Galați / Romania; ³⁾National University of Science and Technology POLITEHNICA Bucharest / Romania <i>*Tel: 0727 957 693; *E-mail: gabimatache@yahoo.com</i></p>	10 ⁴⁰ -10 ⁴⁵	<p>COLLABORATIVE MODEL OF PLATFORM FOR THE EXCELLENCE DEVELOPMENT OF CLUSTERS / <i>MODEL DE PLATFORMA COLABORATIVA PENTRU DEZVOLTAREA DE EXCELENTA A CLUSTERELOR</i> Cornelia MURARU-IONEL¹⁾, Vergil-Marian MURARU¹⁾, Sebastian-Lucian MURARU²⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ IND-AGRO-POL Association / Romania <i>*E-mail: cornelia.muraru.ionel@gmail.com</i></p>	10 ⁴⁰ -10 ⁴⁵
<p>CURRENT ASPECTS IN THE DEVELOPMENT OF THINNING TECHNOLOGY FOR FRUIT TREE INFLORESCENCES IN PRECISION AGRICULTURE / <i>ASPECTE ACTUALE ÎN DEZVOLTAREA TEHNOLOGIEI DE RĂRIRE A INFLORESCENȚEI LA POMII FRUCTIFERI ÎN AGRICULTURA DE PRECIZIE</i> Ana ZAICA*, Radu CIUPERCĂ, Lucreția POPA, Gabriel-Valentin GHEORGHE, Vasilica ȘTEFAN, Alexandru ZAICA, Elisabeta PRISACARIU, Alin HARABAGIU INMA Bucharest / Romania <i>*Tel: 0728 977 317; *E-mail: zaica_ana@yahoo.com</i></p>	0 ⁴⁵ -10 ⁵⁰	<p>WEB PLATFORM FOR SMART FARMING / <i>PLATFORMA WEB PENTRU AGRICULTURA INTELIGENTA</i> Vergil-Marian MURARU* Cornelia MURARU-IONEL, Raluca SFIRU, Simona-Izabella BIRIS, Tania Manuela TICU INMA Bucharest / Romania <i>*E-mail: virgil.muraru@gmail.com</i></p> <p>ROLE OF OILSEED CROPS IN CIRCULAR BIOECONOMY / <i>ROLUL CULTURILOR OLEAGINOASE IN BIOECONOMIA CIRCULARA</i> Steliana RODINO*, Daniela VOICILĂ ICEADR / Romania <i>*E-mail: steliana.rodino@yahoo.com</i></p>	10 ⁴⁵ -10 ⁵⁰
<p>PREDICTIVE EVALUATION OF SORTING MACHINES USING DEDICATED SOFTWARE TITLE / <i>EVALUAREA PREDICTIVĂ A MAȘINILOR DE SORTARE FOLOSIND SOFTWARE DEDICAT</i> Iacob-Liviu SCURTU¹⁾, Marius Ioan GHERES¹⁾, Alexandra-Daniela SCURTU³⁾, Ioan SZABO¹⁾, Ancuța JURCO¹⁾, Călin PRODAN¹⁾, Gabriel GHEORGHE³⁾ ¹⁾ Technical University of Cluj-Napoca / Romania; ²⁾ ICIA – Cluj-Napoca / Romania; ³⁾INMA Bucharest / Romania <i>*Tel: +40761140448; E-mail: liviu.scurtu@auto.utcluj.ro</i></p>	10 ⁵⁰ -10 ⁵⁵	<p>EFFECTS OF CLIMATE CHANGE ON AQUACULTURE / <i>EFECTELE SCHIMBĂRILOR CLIMATICE ASUPRA ACVACULTURII</i> Anca Nicoleta SĂVESCU (CORDELI)*, Magdalena TENCIU*, Mirela CREȚU, Elena ȘIRBU, Neculai PATRICHE, Floricea Maricea DIMA Institute for Research and Development in Aquatic Ecology, Fishing and Aquaculture, Galați, Galați County / Romania <i>*E-mail: cordeliana@yahoo.com</i></p>	10 ⁵⁰ -10 ⁵⁵
<p>THE AREA UNDER OILSEED RAPE IN ROMANIA: EVOLUTION AND TRENDS / <i>SUPRAFAȚA CULTIVATĂ CU RAPITĂ ÎN ROMÂNIA: EVOLUȚIE ȘI TENDINȚE</i> Corina CRUCERU¹⁾, Iulian GHIULEANU¹⁾, Cristinel DUMITRU²⁾ ¹⁾ USAMV Bucharest, Faculty of Management and Rural Development Branch Slatina / Romania; ²⁾ INMA Bucharest / Romania <i>*E-mail: c.cruceru19@yahoo.com</i></p>	10 ⁵⁵ -11 ⁰⁰	<p>HARMFUL EFFECTS OF PEST BIRD ATTACK ON CROPS / <i>EFECTELE NOCIVE ALE ATACULUI PĂSĂRILOR DĂUNĂTOARE ASUPRA CULTURILOR</i> Augustina PRUTEANU¹⁾, Nicoleta-Alexandra VANGHELE¹⁾, Andreea MATACHE¹⁾, Liliana CALIOP ISCRU²⁾ ¹⁾INMA Bucharest / Romania; ²⁾National University of Science and Technology POLITEHNICA Bucharest / Romania <i>*E-mail: pruteanu_augustina@yahoo.com</i></p>	10 ⁵⁵ -11 ⁰⁰

11⁰⁰-11³⁰: Coffee break

<p>CONSIDERATIONS ON THE SPEED OF CYLINDRICAL SCREENS FOR SEED SEPARATION / CONSIDERATII PRIVIND TURATIA SITELOR CILINDRICE PENTRU SEPARAREA SEMINTELOR Costin MIRCEA¹⁾, Florin NENCIU¹⁾, Alexandru IONESCU¹⁾, Iulian DUMITRU¹⁾, Gheorghe VOICU²⁾, Alina-Daiana IONESCU²⁾, Olian-Bogdan ROȘU²⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ National University of Science and Technology POLITEHNICA Bucharest, Faculty of Biotechnical Systems Engineering / Romania <i>*Tel: 0766.420.952; *E-mail: costinmircea@yahoo.com</i></p>	<p>11³⁰-11³⁵</p>	<p>RESEARCH ON THE USE OF AN ADDITIVE MANUFACTURING TECHNIQUE OF THE CKD DOSING DEVICE AND BIOCOMPOSITES FROM THE COMPONENTE OF AN EQUIPMENT FOR SOIL BIOREMEDIATION AND STIMULATION OF THE PLANT MICROBIOME / CERCEȚĂRI PRIVIND UTILIZAREA UNEI TEHNICI DE FABRICARE ADITIVĂ A APARATULUI DE DOZARE CKD ȘI BIOCOMPOZITE DIN COMPONENTA UNUI ECHIPAMENT PENTRU BIOREMEDIEREA SOLULUI ȘI STIMULAREA MICROBIOMULUI VEGETAL Marinela MATEESCU*, Dragoș MANEA, Eugen MARIN INMA Bucharest / Romania <i>*E-mail: marinelamateescu@yahoo.com</i></p>	<p>11³⁰-11³⁵</p>
<p>THE DESIGN AND CONSTRUCTION OF AN EQUIPMENT INTENDED FOR THE PYROLYSIS OF POULTRY WASTE / PROIECTAREA ȘI REALIZAREA UNUI ECHIPAMENT DESTINAT PIROLIZEI DEȘEURILOR AVICOLE Vasilica ȘTEFAN¹⁾, Lucretia POPA¹⁾, Ana ZAICA¹⁾, Radu CIUPERCA¹⁾, Gabriel GHEORGHE¹⁾, Alin HĂRABAGIU¹⁾, Elisabeta PRISACARIU¹⁾, Bogdan Ioan STANA²⁾, ¹⁾INMA Bucharest / Romania; ²⁾Technical University of Cluj-Napoca / Romania <i>*E-mail: valle_vali@yahoo.com</i></p>	<p>11³⁵-11⁴⁰</p>	<p>ASPECTS OF PHYSIOLOGICAL AND BIOCHEMICAL CHANGES IN CEREAL PLANTS GROWN IN HEAVY METAL-POLLUTED SOILS / ASPECTE PRIVIND MODIFICĂRILE FIZIOLOGICE ȘI BIOCHIMICE ÎN PLANTELE CEREALIERE CULTIVATE ÎN SOLURI POLUATE CU METALE GRELE Elena-Mădălina ȘTEFAN¹⁾, Aura-Irina ISTRATE¹⁾, Gabriel-Alexandru CONSTANTIN¹⁾, Mariana-Gabriela MUNTEANU¹⁾, Gheorghe VOICU¹⁾, Gabriel MUSUROI¹⁾, Melania CISMARU²⁾ ¹⁾National University of Science and Technology POLITEHNICA Bucharest / Romania; ²⁾INMA Bucharest / Romania <i>*Tel: 004-0723-5 42 609; *E-mail: irina_aura.istrate@upb.ro</i></p>	<p>11³⁵-11⁴⁰</p>
<p>ARCHITECTURE AND OPERATIONAL LOGIC OF A SYSTEM DEDICATED TO MONITORING PESTS OF FRUIT CROPS / ARHITECTURA ȘI LOGICA OPERAȚIONALĂ A UNUI SISTEM DESTINATE MONITORIZĂRII DĂUNĂTORILOR CULTURILOR POMICOLE Catalin PERSU¹⁾, Gabriel GHEORGHE¹⁾, Iuliana GĂGEANU¹⁾, Dan CUJBESCU¹⁾, Alexandru IONESCU¹⁾, Dragoș ANGHELACHE¹⁾, Corina CRUCERU²⁾ ¹⁾INMA Bucharest / Romania; ²⁾ USAMV Bucharest, Faculty of Management and Rural Development Branch Slatina / Romania <i>*E-mail: persucatalin@yahoo.com</i></p>	<p>11⁴⁰-11⁴⁵</p>	<p>VALORIZATION OF AGRICULTURAL WASTE IN THE CONTEXT OF CIRCULAR ECONOMY / VALORIFICAREA DEȘEURILOR AGRICOLE ÎN CONTEXTUL ECONOMIEI CIRCULARE Mirela - Nicoleta DINCĂ¹⁾, Gabriel - Alexandru CONSTANTIN¹⁾, Mariana FERDEȘ¹⁾, Irina - Aura ISTRATE¹⁾, Gigel PARASCHIV¹⁾, Mariana IONESCU¹⁾, Gabriel MUȘUROI¹⁾, Nicoleta VANGHELE²⁾ ¹⁾National University of Science and Technology Politehnica Bucharest / Romania; ²⁾INMA Bucharest / Romania <i>*Tel: (+40)761 938 017; *E-mail: mirela.dinca@upb.ro</i></p>	<p>11⁴⁰-11⁴⁵</p>
<p>SYSTEMS FOR HIGH PRECISION APPLICATION OF PLANT PROTECTION PRODUCTS, FERTILIZERS AND FOR SEEDING IN DIFFICULT AREAS / SISTEME PENTRU APLICAREA CU PRECIZIE ÎNDICATĂ A PRODUSELOR DE PROTECȚIE PLANTELOR, FERTILIZANȚILOR ȘI PENTRU ÎNSĂMÂNTAREA ÎN ZONE GREU ACCESIBILE Gabriel GHEORGHE¹⁾, Marinela MATEESCU¹⁾, Elena-Melania CISMARU¹⁾, Elisabeta PRISACARIU¹⁾, Alin HĂRABAGIU¹⁾, Ștefan DUMITRU¹⁾, Iacob-Liviu SCURTU²⁾ ¹⁾INMA Bucharest / Romania; ²⁾Technical University of Cluj-Napoca / Romania <i>*Tel: 0731 583 104; *E-mail: gabrielvalentinghe@yahoo.com</i></p>	<p>11⁴⁵-11⁵⁰</p>	<p>BIOLOGICAL PRETREATMENT FOR SUBSTRATE DECOMPOSITION IN ANAEROBIC DIGESTION PROCESS / PRETRATAMENT BIOLOGIC ÎN SCOPUL DESCOMPUNERII SUBSTRATULUI ÎN PROCESUL DE FERMENTAȚIE ANAEROBĂ Mirela - Nicoleta DINCĂ¹⁾, Mariana FERDEȘ¹⁾, Bianca - Ștefania ZĂBĂVĂ¹⁾, Georgiana MOICEANU¹⁾, Mariana IONESCU¹⁾, Nicoleta UNGUREANU¹⁾, Iulian DUMITRU²⁾ ¹⁾National University of Science and Technology Politehnica Bucharest / Romania; ²⁾INMA Bucharest / Romania <i>*Tel: (+40)761 938 017; *E-mail: mirela.dinca@upb.ro</i></p>	<p>11⁴⁵-11⁵⁰</p>
<p>RESEARCH ON THE DESIGN AND CONSTRUCTION OF TECHNICAL EQUIPMENT FOR THE TECHNOLOGY OF HARVESTING AND PROCESSING HEMP, IN ORDER TO OBTAIN OIL FROM SEEDS / CERCEȚĂRI PRIVIND PROIECTAREA ȘI REALIZAREA UNOR ECHIPAMENTE TEHNICE DESTINATE TEHNOLOGIEI DE RECOLTARE ȘI PROCESARE A CÂNEPII, ÎN VEDEREA OBTINERII ULEIULUI DIN SEMINTE Lucretia POPA*, Radu CIUPERCA, Ana ZAICA, Vasilica ȘTEFAN INMA Bucharest / Romania <i>*E-mail: Lucretia_popa@yahoo.com</i></p>	<p>11⁵⁰-11⁵⁵</p>	<p>TRENDS, IMPACT AND PROSPECTS OF BIOCHAR IN THE CONTEXT OF FIGHTING CLIMATE CHANGE AND PROMOTING SUSTAINABLE DEVELOPMENT / TENDINȚE, IMPACT ȘI PERSPECTIVELE BIOCHARULUI ÎN CONTEXTUL COMBATERII SCHIMBĂRILOR CLIMATICE ȘI PROMOVĂRII DEZVOLTĂRII DURABILE Florin NENCIU, Iulian DUMITRU*, Laurențiu VLĂDUȚIU, Alexandru IONESCU, Gabriel NAE, Valentin VLĂDUȚ, Costin MIRCEA, Iulian VOICEA, Andreea-Iulia GRIGORE, Marius OPREȘCU INMA Bucharest / Romania <i>*E-mail: dumitrujul@yahoo.com</i></p>	<p>11⁵⁰-11⁵⁵</p>
<p>VALORIZATION OF BY-PRODUCTS AND WASTE FROM THE COFFEE INDUSTRY / VALORIFICAREA SUBPRODUSELOR ȘI DEȘEURILOR DIN INDUSTRIA CAFELEI Nicoleta UNGUREANU¹⁾, Nicolae-Valentin VLĂDUȚ²⁾, Oana-Elena MILEA^{1,2)}, Mirela-Nicoleta DINCĂ¹⁾, Valeria Elena VLĂDUȚ¹⁾, Dragoș ANGHELACHE^{1,2)}, Iulian DRENEA¹⁾, Cristinel DUMITRU²⁾ ¹⁾ National University of Science and Technology Politehnica Bucharest / Romania; ²⁾ INMA Bucharest / Romania <i>E-mail: valentin_vladut@yahoo.com</i></p>	<p>11⁵⁵-12⁰⁰</p>	<p>WASTEWATER TREATMENT IN THE FOOD INDUSTRY / EPURAREA APELOR UZATE DIN INDUSTRIA ALIMENTARĂ Bianca-Ștefania ZĂBĂVĂ¹⁾, Gheorghe VOICU¹⁾, Mirela - Nicoleta DINCĂ¹⁾, Mariana IONESCU¹⁾, Mariana FERDEȘ¹⁾, Gigel PARASCHIV¹⁾, Georgiana MOICEANU²⁾, Dan CUJBESCU³⁾ ¹⁾Department of Biotechnical Systems, National University of Science and Technology POLITEHNICA Bucharest / Romania; ²⁾Department of Management and Entrepreneurship, National University of Science and Technology POLITEHNICA Bucharest / Romania; ³⁾INMA Bucharest / Romania <i>*Tel: (+40) 731 538 941; *E-mail: bianca.dragoju@upb.ro</i></p>	<p>11⁵⁵-12⁰⁰</p>
<p>TOMATOES IN FIGURES: PRODUCTION, PRICES AND OUTLOOK FOR THE FUTURE/ TOMATELE IN CIFRE: PRODUCȚIE, PREȚURI ȘI PERSPECTIVE PENTRU VIITOR Corina CRUCERU¹⁾, Iulian GHIULEANU¹⁾, Cătălin PERSU²⁾ ¹⁾ USAMV Bucharest, Faculty of Management and Rural Development Branch Slatina / Romania; ²⁾INMA Bucharest / Romania <i>*E-mail: c.cruceru19@yahoo.com</i></p>	<p>12⁰⁰-12⁰⁵</p>	<p>VALORIZATION OF WASTES FROM THE FRUIT AND VEGETABLE INDUSTRY / VALORIFICAREA DEȘEURILOR DIN INDUSTRIA FRUCTELOR ȘI LEGUMELOR Mariana IONESCU¹⁾, Gigel PARASCHIV¹⁾, Mariana FERDEȘ¹⁾, Bianca-Ștefania ZĂBĂVĂ¹⁾, Mirela - Nicoleta DINCĂ¹⁾, Nicoleta UNGUREANU¹⁾, Florin NENCIU²⁾ ¹⁾National University of Science and Technology POLITEHNICA Bucharest / Romania; ²⁾INMA Bucharest / Romania <i>*E-mail: marina.ionescu@yahoo.com</i></p>	<p>12⁰⁰-12⁰⁵</p>
<p>TRENDS IN THE DEVELOPMENT OF CONSERVATIVE / ECOLOGICAL AND DIGITAL AGRICULTURE IN THE CONTEXT OF CURRENT CLIMATE CHANGE – A REVIEW / TENDINȚE ÎN DEZVOLTAREA AGRICULTURII CONSERVATIVE / ECOLOGICE ȘI DIGITALE ÎN CONTEXTUL SCHIMBĂRILOR CLIMATICE ACTUALE - O SINTEZĂ Nicolae-Valentin VLĂDUȚ¹⁾, Iulian VOICEA¹⁾, Iuliana GĂGEANU¹⁾, Mihai-Gabriel MATACHE¹⁾, Florin NENCIU¹⁾, Nicoleta UNGUREANU²⁾, Sorin-Ștefan BIRIȘ²⁾, Lorena-Diana POPA³⁾, Sorin BORUZ⁴⁾, Gheorghe MATEI⁴⁾, Atanas ATANASOV⁵⁾, Valerian CEREMPEI⁶⁾, Tomasz ZELAZINSKI⁷⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ National University of Science and Technology POLITEHNICA Bucharest / Romania; ³⁾ ARDS Secuieni / Romania; ⁴⁾ University of Craiova / Romania; ⁵⁾ University of Ruse / Bulgaria; ⁶⁾ State Agrarian University of Moldova / Moldova; ⁷⁾ Warsaw University of Life Sciences – SGGW / Poland <i>*E-mail: valentin_vladut@yahoo.com</i></p>	<p>12⁰⁵-12¹⁰</p>	<p>EVALUATION OF THE POTENTIAL TO USE INDUSTRIAL HEMP (CANNABIS SATIVA L.) SEEDS AND BIOMASS FOR FOOD PURPOSES / EVALUAREA POTENTIALULUI DE UTILIZARE A SEMINTELOR ȘI BIOMASEI DE CÂNEPĂ INDUSTRIALĂ (CANNABIS SATIVA L.) ÎN SCOP ALIMENTAR Lorena-Diana POPA¹⁾, Alexandra-Andreea BUBURUZ¹⁾, Simona-Florina ISTICIOAIA¹⁾, Florin NENCIU²⁾, Alexandra LEONTE¹⁾, Tatiana ONISEI³⁾, Alina-Laura AGAPIE⁴⁾, Gheorghe MATEI⁵⁾, Gabriel-Ciprian TELIBAN⁶⁾, Ioana BUTERCHI⁶⁾ ¹⁾ Agricultural Research and Development Station Secuieni / Romania; ²⁾ INMA Bucharest / Romania; ³⁾ National Research and Development Institute for Food Bioreources - IBA Bucharest / Romania; ⁴⁾ Agricultural Research and Development Station Lovrin / Romania; ⁵⁾ University of Craiova / Romania; ⁶⁾ "Ion Ionescu de la Brad" University of Life Sciences Iasi / Romania <i>*E-mail: ioana.calin16@yahoo.com</i></p>	<p>12⁰⁵-12¹⁰</p>
<p>RESEARCH ON THE MULTIPLE DIRECTIONS FOR THE USE OF INDUSTRIAL HEMP (CANNABIS SATIVA L.) CROP / CERCEȚĂRI PRIVIND DIRECȚIILE MULTIPLE DE UTILIZARE ALE CULTURII DE CÂNEPĂ INDUSTRIALĂ (CANNABIS SATIVA L.) Lorena-Diana POPA¹⁾, Simona-Florina ISTICIOAIA¹⁾, Ioan PUIU²⁾, Gheorghe MATEI³⁾, Iuliana GĂGEANU⁴⁾, Paula-Lucelia PINTILIE¹⁾, Anca PANDA⁵⁾, Gabriel-Ciprian TELIBAN²⁾, Alexandra-Andreea BUBURUZ²⁾ ¹⁾ Agricultural Research and Development Station Secuieni / Romania; ²⁾ "Ion Ionescu de la Brad" University of Life Sciences Iasi / Romania; ³⁾ University of Craiova / Romania; ⁴⁾ INMA Bucharest / Romania; ⁵⁾ Agricultural Research and Development Station Lovrin / Romania <i>*E-mail: alexandra.buburuz@scda.ro</i></p>	<p>12¹⁰-12¹⁵</p>	<p>COMPARATIVE STUDY OF THE COVERAGE DEGREE WHEN APPLYING PHYTOSANITARY TREATMENTS IN AUTUMN TO CANOLA CROP / STUDIU PRIVIND GRADUL DE ACOPERIRE LA APLICAREA TRATAMENTELOR FITORSANITARE ÎN TOAMNA LA CULTURA DE RAPITĂ Ștefan DUMITRU¹⁾, Gabriel GHEORGHE¹⁾, Dragoș-Nicolae DUMITRU¹⁾, Dragoș MANEA¹⁾, Lucretia POPA¹⁾, Vasilica ȘTEFAN¹⁾, Ana ZAICA¹⁾, Mihai NICOLESCU²⁾ ¹⁾INMA Bucharest / Romania; ²⁾Academy of Agricultural and Forestry Sciences Gheorghe Ionescu-Sisești / Romania <i>*Tel: 0731 583 104; *E-mail: gabrielvalentinghe@yahoo.com</i></p>	<p>12¹⁰-12¹⁵</p>

<p>ANALYSIS OF PROPAGATION MODES OF ACOUSTIC PRESSURE WAVES IN PARALLELIPIEDAL ENCLOSURES / ANALIZA MODURILOR DE PROPAGARE A UNDELOR DE PRESIUNE ACUSTICĂ ÎN INCINTE PARALELIPIEDICE Ramona Maria MOTRUNĂ¹⁾, Cerasela Elena DOBRIN²⁾, Ovidiu VASILE³⁾ ^{1,2)} National University of Science and Technology POLITEHNICA Bucharest, Faculty of Biotechnical Systems Engineering / Romania; ³⁾ University POLITEHNICA Bucharest, Faculty of Biotechnical Systems Engineering, Department of Mechanics / Romania *E-mail: chiru_ramona@yahoo.com, ella_cerasela@yahoo.com; *Tel: 0722 172 700; *E-mail: ovidiu_vasile2002@yahoo.co.uk</p>	12 ¹⁵ -12 ²⁰	<p>THE USE OF AN AGRICULTURAL DRONE FOR THE MULTISPECTRAL MAPPING OF A POTATO CROP / UTILIZAREA UNEI DRONE AGRICOLE PENTRU CARTAREA MULTISPECTRALA A UNEI CULTURI PE CARTOFI Gabriel GHEORGHE¹⁾, Iuliana GĂGEANU¹⁾, Cătălin PERSU¹⁾, Marinela MATEESCU¹⁾, Floriana Maria STEFAN²⁾, Ana-Maria TĂBĂRAȘU¹⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ INCDCSZ Brașov, Brașov County / Romania *Tel: 0731 583 104; *E-mail: gabrielvalentinghe@yahoo.com</p>	12 ¹⁵ -12 ²⁰
<p>USE OF DIC (INSTANT CONTROLLED PRESSURE DROP) PROCESS FOR THE EXTRACTION OF ESSENTIAL OILS - REVIEW / UTILIZAREA PROCEDEULUI DIC (DETENTA INSTANTANEE CONTROLATA) PENTRU EXTRAȚIA ULEIURILOR ESENȚIALE - REVIEW Adriana MUSCALU¹⁾, Cătălina TUDORA¹⁾, Dragoș ANGHELACHE¹⁾, Mihai CONSTANTINESCU¹⁾, Alexandru-Polifron CHIRIȚA²⁾, Margareta NAIE³⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ INOE 2000 - IHP Bucharest / Romania; ³⁾ ARDS Secuieni / Romania *Tel: 0726 234 242; *E-mail: amuscalis@yahoo.com</p>	12 ²⁰ -12 ²⁵	<p>MONITORING METHODS OF CARBON FOOTPRINT IN AGRICULTURE SECTOR / METODE DE MONITORIZARE A AMPRETEI DE CARBON ÎN SECTORUL AGRICOL Oana-Diana CRISTEA¹⁾, Carmen BRACACESCU¹⁾, Laurentiu VLADUTOIU¹⁾, Nino MARICA²⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ Nucet Fisheries Development Research Station / Romania *Tel: 0761 052 624; *E-mail: diana10.cristea@gmail.com</p>	12 ²⁰ -12 ²⁵
<p>STUDY ON THE SMART APPLICATION OF PLANT PROTECTION PRODUCTS / STUDIUL PRIVIND APLICAREA INTELIGENTĂ A PRODUSELOR DE PROTEȚIE A PLANTELOR Marinela MATEESCU, Gabriel GHEORGHE*, Elena-Melania CISMARU, Elisabeta PRISACARIU, Alin HARABAGIU, Stefan DUMITRU INMA Bucharest / Romania *Tel: 0731 583 104; *E-mail: gabrielvalentinghe@yahoo.com</p>	12 ²⁵ -12 ³⁰	<p>ASPECTS REGARDING AIR POLLUTION / ASPECTE PRIVIND POLUAREA AERULUI Carmen-Otilia RUSĂNESCU¹⁾, Irina Aura ISTRATE¹⁾, Denisa Elena PREDESCU¹⁾, Andrei-Marian RUSĂNESCU²⁾, Raluca Lucia DINCULOIU¹⁾, Maria CIOBANU¹⁾, Roxana FRINCUI¹⁾, Daniela MIHAİ¹⁾ ¹⁾National University of Science and Technology POLITEHNICA Bucharest - Faculty of Biotechnical Systems Engineering / Romania; ²⁾National University of Science and Technology POLITEHNICA Bucharest - Faculty of Computer Science / Romania *E-mail: ia_istrate@yahoo.com</p>	12 ²⁵ -12 ³⁰
<p>THE STUDY OF A BASIL ASSORTMENT (OCIMUM BASILICUM L.) IN THE ECOPEDOCLIMATIC CONDITIONS OF IAȘI COUNTY / STUDIUL UNUI SORTIMENT DE BUSUIOC (OCIMUM BASILICUM L.) ÎN CONDIȚIILE ECOPEDOCLIMATICE DIN JUDEȚUL IAȘI Gabriel-Ciprian TELIBAN¹⁾, Vasile STOLERU¹⁾, Nicolae-Valentin VLĂDUȚ²⁾, Lorena-Diana POPA³⁾, Marian BURDUCEA⁴⁾, Alexandru COJOCARU¹⁾, Roxana BABET¹⁾, Ana ZAICA²⁾ ¹⁾ "Ion Ionescu de la Brad" University of Life Sciences Iasi, Iasi County / Romania; ²⁾ INMA Bucharest / Romania; ³⁾ Agricultural Research and Development Station Secuieni / Romania; ⁴⁾ "Alexandru Ioan Cuza" University Iasi / Romania *E-mail: zaica_ana@yahoo.com</p>	12 ³⁰ -12 ³⁵	<p>REMEDY OF POLLUTED SOILS WITH POLYCYCLIC AROMATIC HYDROCARBONS USING NANOMATERIALS / REMEDIEREA SOLURILOR POLUATE CU HIDROCARBURI AROMATICE POLICICLICE UTILIZAND NANOMATERIALE Carmen-Otilia RUSĂNESCU¹⁾, Irina Aura ISTRATE¹⁾, Gabriel Alexandru CONSTANTIN¹⁾, Gigel PARASCHIV¹⁾, Gheorghe VOICU¹⁾, SORIN-Ștefan BIRIȘ¹⁾, Andrei-Marian RUSĂNESCU²⁾, Eugen MARIN¹⁾, Sabrina Maria BĂLĂNESCU¹⁾, Larisa PURDEA¹⁾, Cristian SORICĂ³⁾ ¹⁾National University of Science and Technology POLITEHNICA Bucharest - Faculty of Biotechnical Systems Engineering / Romania; ²⁾University POLITEHNICA Bucharest - Faculty of Computer Science / Romania; ³⁾INMA Bucharest / Romania *E-mail: ia_istrate@yahoo.com</p>	12 ³⁰ -12 ³⁵
<p>CONCENTRATED FEEDS, AN IMPORTANT FACTOR FOR THE DEVELOPMENT OF ANIMAL HUSBANDRY / NUTREȚURILE CONCENTRATE, FACTOR IMPORTANT PENTRU DEZVOLTAREA ZOOTEHNIEI Alexandru ZAICA*, Dragoș ANGHELACHE, Ana ZAICA, Ana-Maria TĂBĂRAȘU, Melania CISMARU, Elisabeta PRISACARIU National Institute for Research-Development of Machines and Installations designed for Agriculture and Food Industry - INMA Bucharest / Romania *Tel: 0726 147 336; *E-mail: zaica_alexandru@yahoo.com</p>	12 ³⁵ -12 ⁴⁰	<p>APPLYING CIRCULAR ECONOMY PRINCIPLES BY REUSING ELECTRIC VEHICLE BATTERIES IN AGRICULTURE / APLICAREA PRINCIPILOR ECONOMIEI CIRCULARE PRIN REUTILIZAREA BATERIILOR DE LA VEhicULELE ELECTRICE ÎN AGRICULTURĂ Ioan SZABO*, Iacob-Liviu SCURTU, Marius Ioan GHEREȘ, Ferenc GASPARG, Monica BĂLCĂU, Anuța JURCO, Adela Ioana BORZAN, Levente KOCSIS Technical University of Cluj-Napoca / Romania. *Tel: +40740813679.; E-mail: ioan.szabo@auto.utcluj.ro</p>	12 ³⁵ -12 ⁴⁰
<p>COMPARATIVE ANALYSIS OF THE PRODUCTIVE PERFORMANCE OF SOME CYPRINID SPECIES GROWING IN POLY CULTURE / ANALIZA COMPARATIVĂ A PERFORMANȚELOR PRODUCTIVE LA CREȘTEREA ÎN POLICULTURĂ A UNOR SPECII DE CIPRINIDE Daniela RADU¹⁾, Mioara COSTACHE¹⁾, Nino MARICA¹⁾, Marinela GANCEA¹⁾, Silvia RADU¹⁾, Nicoleta DOBROTA¹⁾, Mariana Cristina ARCADE¹⁾, Andreea MATAȚHE²⁾ ¹⁾Nucet Fisheries Development Research Station / Romania; ²⁾INMA Bucharest / Romania E-mail: dradu64@yahoo.com</p>	12 ⁴⁰ -12 ⁵⁰	<p>INTELLIGENT SYSTEMS FOR GROWING CULTURED CARP IN THE FIRST SUMMER/ SISTEME INTELIGENTE DE CREȘTERE A CRAPULUI DE CULTURĂ ÎN VARA ÎNTÂIA Nino MARICA¹⁾, Sorin Marian DRĂGUȚ¹⁾, Giorgiana Mădălina DELIU¹⁾, Daniela RADU¹⁾, Mioara COSTACHE¹⁾, Mihail COSTACHE¹⁾, Oana-Diana CRISTEA²⁾ ¹⁾Nucet Fisheries Development Research Station / Romania; ²⁾INMA Bucharest / Romania E-mail: nino.marica@yahoo.com</p>	12 ⁴⁰ -12 ⁵⁰
<p>RESEARCH ON THE EVOLUTION OF TECHNOLOGICAL PARAMETERS IN THE GROWTH OF CARP (C.CARPİO) IN THE SECOND SUMMER, IN AN INTENSIVE SYSTEM / CERCETĂRI PRIVIND EVOLUȚIA PARAMETRIILOR TEHNOLOGICI LA CREȘTEREA CRAPULUI (C.CARPİO) ÎN VARA A II-A, ÎN SISTEM INTENSIV Silvia RADU¹⁾, Daniela RADU¹⁾, Mioara COSTACHE¹⁾, Nicoleta DOBROTA¹⁾, Gheorghe BOBROTĂ¹⁾, Nino MARICA¹⁾ ¹⁾Nucet Fisheries Development Research Station / Romania E-mail: vlostef06@yahoo.com</p>	12 ⁵⁰ -12 ⁵⁵	<p>RESEARCH ON THE INFLUENCE OF CLIMATE CHANGE ON THE ICHTHYOFAUNA IN THE FRUNZARU RESERVOIR FROM THE HYDROGRAPHIC BASIN OF THE OLT RIVER / CERCETĂRI PRIVIND INFLUENȚA SCHIMBĂRIILOR CLIMATICE ASUPRA IHTIOFAUNEI LACULUI DE ACUMULARE FRUNZARU DIN BAZINUL HIDROGRAFIC AL RÂULUI OLT Gheorghe DOBROTĂ¹⁾, Nicoleta DOBROTA¹⁾, Silvia RADU¹⁾, Mioara COSTACHE¹⁾, Daniela RADU¹⁾, Nino MARICA¹⁾, Giorgiana Mădălina DELIU¹⁾, Evelin-Anda LAZA²⁾ ¹⁾Nucet Fisheries Development Research Station / Romania; ²⁾INMA Bucharest / Romania E-mail: dobrota19dng@yahoo.com</p>	12 ⁵⁰ -12 ⁵⁵
<p>PRELIMINARY RESEARCH ON THE INTRODUCTION OF BIOFLOC TECHNOLOGY (BFT) FOR SUSTAINABLE AQUACULTURE / CERCETĂRI PRELIMINARE PRIVIND INTRODUCEREA TEHNOLOGIEI BIOFLOC (BFT) PENTRU O ACVACULTURĂ SUSTENABILĂ Marinela GANCEA¹⁾, Mariana Cristina ARCADE¹⁾, Mioara COSTACHE¹⁾, Daniela RADU¹⁾, Nino MARICA¹⁾, Alin Constantin BARBU¹⁾, Sorin DRĂGUT¹⁾, Dan CUJBESCU²⁾ ¹⁾Nucet Fisheries Development Research Station / Romania; ²⁾INMA Bucharest / Romania E-mail: marinella1968@yahoo.com</p>	12 ⁵⁵ -13 ⁰⁰	<p>RESEARCH ON SELECTIVE REPRODUCTION AND THE INITIATION OF EPIGENETIC PROGRAMMING IN CULTURED CARP OF THE ROPȘA RACE / CERCETĂRI PRIVIND REPRODUCEREA SELECTIVĂ ȘI ÎNȚIEREA PROGRAMĂRII EPIGENETICE LA CRAPUL DE CULTURĂ DIN RASA ROPȘA Mioara COSTACHE¹⁾, Mariana Cristina ARCADE¹⁾, Mihail COSTACHE¹⁾, Iulian VOICEA²⁾, Marinela GANCEA¹⁾, Sorin Marian DRĂGUT¹⁾ ¹⁾Nucet Fisheries Development Research Station / Romania; ²⁾INMA Bucharest / Romania E-mail: mioaracostache48@yahoo.com</p>	12 ⁵⁵ -13 ⁰⁰

<p>RESEARCH ON SOIL PROPERTIES, THE MOST IMPORTANT SOIL INDICATORS AND POSSIBLE DETERMINATIONS / CERCETĂRI PRIVIND PROPRIETĂȚILE SOLULUI, CEI MAI IMPORTANȚI INDICATORI DE SOL ȘI POSIBILE DETERMINĂRI Iulia GRIGORE¹⁾, Laurentiu VLADUTOIU¹⁾, Cristian SORICA¹⁾, Elena SORICA¹⁾, Mario CRISTEA¹⁾, Robert Dorin CRISTEA¹⁾, Paula PINTILIE²⁾ ¹⁾INMA Bucharest / Romania; ²⁾ARDS Secuieni / Romania <i>*E-mail: igrigore44@gmail.com</i></p>	13 ⁰⁰ -13 ⁰⁵	<p>PHYSICO-CHEMICAL QUALITY REQUIREMENTS OF THE INDUSTRIAL WATER USED IN AQUAPONIC SYSTEMS / CERINTE DE CALITATE FIZICO-CHIMICE A APEI TEHNOLOGICE UTILIZATE ÎN SISTEMELE ACVAPONICE Oana CRISTEA¹⁾, Iulian VOICEA¹⁾, Dan CUBJESCU¹⁾, Carmen BRĂCĂCESCU¹⁾, Maria-Magdalena CERNAT POPA²⁾ ¹⁾National Institute for Research-Development of Machines and Installations designed for Agriculture and Food Industry – INMA Bucharest / Romania; ²⁾National University of Science and Technology POLITEHNICA Bucharest / Romania <i>*E-mail: diana10.cristea@gmail.com</i></p>	13 ⁰⁰ -13 ⁰⁵
<p>MODERN AGRICULTURE USED IN THE VINEYARDS OF THE BANAT REGION ASSISTED BY DIGITAL TECHNOLOGY / AGRICULTURA MODERNĂ UTILIZATĂ PE CÂMPURILE VITICOLE DIN REGIUNEA BANAT ASISTATĂ DE TEHNOLOGIE DIGITALĂ Ioan Ladislau CABA¹⁾, Constantin BRÎNCOVEANU²⁾, Sorin-Tiberiu BUNGESCU²⁾ ¹⁾INMA Bucharest / Romania; ²⁾King Michael I University of Life Sciences of Timișoara / Romania <i>*E-mail: cabaioan@yahoo.com</i></p>	13 ⁰⁵ -13 ¹⁰	<p>CONSIDERATIONS REGARDING THE BEHAVIOR OF SOME TYPES OF BIOMASS IN THE PYROLYSIS PROCESS / CONSIDERAȚII PRIVIND COMPORTAMENTUL UNOR TIPURI DE BIOMASĂ ÎN PROCESUL DE PIROLIZĂ Iulia GRIGORE[*], Laurentiu VLADUTOIU, Cristian SORICA, Elena SORICA, Mario CRISTEA, Robert Dorin CRISTEA, Nicoleta VANGHELE INMA Bucharest / Romania <i>*E-mail: igrigore44@gmail.com</i></p>	13 ⁰⁵ -13 ¹⁰
<p>TECHNICAL SOLUTIONS FOR DETERMINING WATER QUALITY IN AQUACULTURE / SOLUȚII TEHNICE PENTRU DETERMINAREA CALITĂȚII APEI ÎN ACVACULTURĂ Dan CUBJESCU¹⁾, Dragoș DUMITRU¹⁾, Iulian VOICEA¹⁾, Cătălin PERSU¹⁾, Alexandru IONESCU¹⁾, Ana-Maria TĂBĂRAȘU¹⁾, Dragoș ANGHELACHE¹⁾, Bianca-Ștefana ZĂBAVĂ²⁾, Marinela GRANCEA³⁾ ¹⁾INMA Bucharest / Romania; ²⁾National University of Science and Technology POLITEHNICA Bucharest / Romania; ³⁾Nucet Fisheries Development Research Station / Romania <i>*Tel: 0752 038 668; *E-mail: dimitrudragos.nicolae@gmail.com</i></p>	13 ¹⁰ -13 ¹⁵	<p>EFFECTIVE PEST AND DISEASE MANAGEMENT IN POTATO CROPS: INNOVATIVE STRATEGIES FOR SUSTAINABLE AGRICULTURE / GESTIONAREA EFICIENTĂ A DĂUNĂTORILOR ȘI BOLILOR ÎN CULTURA DE CARTOF: STRATEGII INOVATIVE PENTRU AGRICULTURA DURABILĂ Daniel-Nicolae COJANU^{1,2)}, Maria-Cristina LUMINARE^{1,2)}, Oana Alina BOIU-SICUIA^{1,2)}, Lavinia Diana Nicoleta BUTURUGA-BARBU^{1,2)}, Călina Petruța CORNEA¹⁾ ¹⁾University of Agronomic Sciences and Veterinary Medicine of Bucharest / Romania ²⁾Research Development Institute for Plant Protection, Bucharest / Romania <i>*E-mail: daniel.cojanu13@yahoo.com</i></p>	13 ¹⁰ -13 ¹⁵
<p>SECTION 3 - FOOD INDUSTRY - POSTER PRESENTATION</p>		<p>SECTION 4 – YOUNG PEOPLE (PhD students School “BSE”) - POSTER PRESENTATION</p>	
<p>Chairman: ȘTEFAN Mădălina / MARIN Eugen / CATANĂ Luminița</p>		<p>Chairman: CRAIȚĂLEANU Andrei / DUȚU Mihaela / GHEORGHE Gabriel ^{*BSE: PhD students School “Biotechnical Systems Engineering”}</p>	
<p>OBTAINING CHARACTERIZATION AND TESTING OF ESSENTIAL OILS EXTRACTED FROM NEW VARIETIES OF MEDICINAL PLANTS / OBȚINEREA, CARACTERIZAREA ȘI TESTAREA ULEIURILOR ESENȚIALE OBȚINUTE DIN SOIURI NOI DE PLANTE MEDICINALE Cătălina TUDORA¹⁾, Adriana MUSCALU¹⁾, Valentin-Nicolae VLĂDUȚ¹⁾, Floarea BURNICHIP²⁾, Florentina GATEA³⁾, Oana-Alina BOIU SICUIA^{4,5)}, Florentina ISRAEL-ROMING⁵⁾, Oana MÎRZAN⁶⁾ ¹⁾INMA Bucharest / Romania; ²⁾Vegetable Research and Development Station Buzau / Romania; ³⁾INSB Bucharest / Romania; ⁴⁾Research Development Institute for Plant Protection Bucharest / Romania; ⁵⁾Department of Plant Sciences, University of Agronomic Sciences and Veterinary Medicine of Bucharest / Romania; ⁶⁾ARDS Secuieni / Romania <i>*Tel: 0726 274 958; *E-mail: cmc_tudora@yahoo.com</i></p>	09 ⁰⁰ -09 ⁰⁵	<p>THE IMPACT OF WEEDS ON THE SOIL SAMPLING PROCESS / IMPACTUL BURUIENILOR ASUPRA PROCESULUI DE PRELEVARE A PROBELOR DE SOL Alexandru IONESCU¹⁾, Nicolae-Valentin VLADUȚ¹⁾, Costin MIRCEA¹⁾, Iulian DUMITRU¹⁾, Gheorghe STROESCU¹⁾, Robert BLEJAN²⁾, Cătălin LAZĂR³⁾, Claudiu UTOIU⁴⁾ ¹⁾INMA Bucharest / Romania; ²⁾INOE 2000 - Subsidiary Hydraulics and Pneumatics Research Institute, Bucharest / Romania; ³⁾National Institute of Research for Agricultural Development, Fundulea / Romania; ⁴⁾National Institute of Research-Development for Food Bioresources, Bucharest / Romania; <i>*E-mail: alex.alex12abx@gmail.com</i></p>	09 ⁰⁰ -09 ⁰⁵
<p>THE IMPACT OF DEHYDRATED SOURDOUGH ON WHEAT BREAD CHARACTERISTICS / IMPACTUL ALUATULUI DESHIDRATAT ASUPRA CARACTERISTICILOR PĂINII DE GRĂU Șerban Eugen CUCU¹⁾, Luiza Maria PASCAL¹⁾, Ovidiu Dan Florian²⁾ ¹⁾IBA Bucharest / Romania; ²⁾S.C. BUNĂȚĂRIA FLORIAN S.R.L. / Romania <i>*E-mail: serban.cucu@bioresurse.ro</i></p>	09 ⁰⁵ -09 ¹⁰	<p>TECHNICAL SOLUTIONS FOR PRECISION DATA GATHERING IN BEE FARMS / SOLUȚII TEHNICE PENTRU COLECTAREA DATELOR DE PRECIZIE ÎN FERMELE APICOLE Alexandru CIOACLĂ[*], Iuliana GĂGEANU, Robert CRISTEA, Mario CRISTEA, Dorin CÎRȘTEA INMA Bucharest / Romania <i>E-mail: cioaclacristian@gmail.com</i></p>	09 ⁰⁵ -09 ¹⁰
<p>THE POTENTIAL OF HEMP SEEDS AND ITS DERIVATIVES IN OBTAINING FOOD PRODUCTS WITH HIGH NUTRITIONAL VALUE / POTENTIALUL SEMINTELOR DE CÂNEPĂ ȘI DERIVATELOR DIN ACEASTA ÎN OBȚINEREA PRODUSELOR ALIMENTARE CU VALOARE NUTRITIVĂ RIDICATĂ Andreea MATACHE¹⁾, Florin NENCIU¹⁾, Niçoleta Alexandra VANGHELE¹⁾, Augustina PRUTEANU¹⁾, Gabriel NAE¹⁾, Tatiana ONISEI²⁾, Manuela RĂSCOL²⁾, Lorena-Diana POPA³⁾, Daniela RADU⁴⁾ ¹⁾INMA Bucharest / Romania; ²⁾IBA Bucharest / Romania; ³⁾ARDS Secuieni / Romania; ⁴⁾Nucet Fisheries Development Research Station / Romania <i>*Tel: 0212 693 259; *E-mail: andmatache@yahoo.com</i></p>	09 ¹⁰ -09 ¹⁵	<p>USING MODERN CAD-CAE DESIGN METHODS TO DESIGN A SEEDER FOR DIRECT SOWING INTO MEADOW FIELD / UTILIZAREA METODELOR MODERNE DE PROIECTARE CAD-CAE PENTRU CONCEPEREA UNEI SEMĂNĂTORI PENTRU SEMĂNAT DIRECT ÎN MIRIȘTE Ștefan DUMITRU[*], Nicolae-Valentin VLADUȚ, Eugen MARIN, Dragoș MANEA INMA Bucharest / Romania <i>Tel: +40720275127 E-mail: stefan.dumitru2311@gmail.com</i></p>	09 ¹⁰ -09 ¹⁵
<p>EVALUATING THE BIOETHANOL PRODUCTION FROM LIGNOCELLULOSIC BIOMASS BY SIMULTANEOUS SACCHARIFICATION AND FERMENTATION (SSF) AFTER DIFFERENT PRETREATMENTS USING GAS ENDEAVOUR SYSTEM (GES) / EVALUAREA PRODUCȚIEI DE BIOETANOL DIN BIOMASA LIGNOCELULOZICĂ PRIN ZAHARIFICARE ȘI FERMENTARE SIMULTANĂ (SSF) DUPĂ DIFERITE PRETRATĂRI FOLOSIND GAS ENDEAVOUR SYSTEM (GES) Elisabeta-Irina GEANĂ[*], Corina Teodora CIUCURE, Axenia RADULESCU, Adelină CONSTANTIN, Oana Romina BOTORAN, Roxana Elena IONETE ICSI Râmnicu Vâcea, Râmnicu Vâlcea / Romania <i>*E-mail: irina.geana@icsi.ro</i></p>	09 ¹⁵ -09 ²⁰	<p>ASPECTS REGARDING WINE-MAKING TECHNOLOGIES USED IN THE MANUFACTURE OF WHITE AND RED WINES/ASPECTE PRIVIND TEHNOLOGIILE DE VINIFICAȚIE / ASPECTE PRIVIND TEHNOLOGIILE DE VINIFICAȚIE UTILIZATE LA FABRICAREA VINURILOR ALBE ȘI ROȘII Oana-Elena MILEA¹⁾, Sorin-Ștefan BIRIȘ²⁾, Iuliana GĂGEANU¹⁾, Ana-Maria TĂBĂRAȘU¹⁾, Vasilica ȘTEFAN¹⁾, Nicoleta UNGUREANU²⁾, Elena-Valeria VLĂDUȚ²⁾, Daniel DUMITRESCU²⁾ ¹⁾INMA Bucharest / Romania; ²⁾National University of Science and Technology POLITEHNICA Bucharest / Romania Email: sorinstefanbiris@gmail.com</p>	09 ¹⁵ -09 ²⁰
<p>RESEARCH ON THE IMPACT OF DIFFERENT SOIL TILLAGE METHODS ON BEAN YIELD UNDER THE SPECIFIC CONDITIONS AT A.R.D.S. SECUIENI / CERCETĂRI PRIVIND IMPACTUL DIFERITELOR METODE DE LUCRĂRI ALE SOLULUI ASUPRA PRODUCȚIEI DE FASOLE ÎN CONDIȚIILE SPECIFICE DE LA S.C.D.A. SECUIENI Alexandra LEONTE¹⁾, Andreea-Sabina PINTILIE¹⁾, Simona-Florina ISTICIOAIA¹⁾, Lorena-Diana POPA¹⁾, Paula-Lucelia PINTILIE¹⁾, Gabriel NAE²⁾ ¹⁾Secuieni Agricultural Research-Development Station Secuieni / Romania; ²⁾INMA Bucharest / Romania <i>*E-mail: andra29nt@yahoo.com</i></p>	09 ²⁰ -09 ²⁵	<p>EVALUATION OF SOIL QUALITY PARAMETERS IN ARMORACIA RUSTICANA SUSTAINABLE CULTIVAR AND GC-MS PROFILE OF FRESH ROOT EXTRACTS / EVALUAREA PARAMETRIILOR DE CALITATE A SOLULUI ÎN SOIUL DURABIL ARMORACIA RUSTICANA ȘI PROFILUL GC-MS AL EXTRACTELOR DE RĂDĂCINĂ PROASPĂTĂ Ștefania Eliza TĂNASIE¹⁾, Andreea Gabriela MOCANU¹⁾, Maria Viorica CIOCÎLȚEU¹⁾, Costel-Valentin MANDA¹⁾, Oana-Elena NICOLAESCU¹⁾, Mariana POPESCU¹⁾, Larisa Elisabeth CHRIGIU²⁾, Liviu CHRIGIU¹⁾, Denisa Constantina AMZOIU¹⁾ ¹⁾University of Medicine and Pharmacy of Craiova, Faculty of Pharmacy, Craiova / Romania ²⁾Constantin Brâncuși University, Faculty of Medical and Behavioral Sciences, Târgu Jiu / Romania Email: eliza_tanasie@yahoo.com</p>	09 ²⁰ -09 ²⁵

<p>PERFORMANCE OF SOME ROMANIAN AND FOREIGN CEREAL VARIETIES UNDER THE CONDITIONS OF CENTRAL MOLDOVA, ROMANIA / COMPORTAREA UNOR SOIURI DE CEREALE PĂIOASE ROMÂNEȘTI ȘI STRĂINE ÎN CONDIȚIILE DIN CENTRUL MOLDOVEI, ROMÂNIA Paula-Lucelia PINTILIE¹⁾, Roxana-Georgiana AMARGHIOALEI¹⁾, Elena TROTUȘ¹⁾, Andreea-Sabina PINTILIE^{*1)}, Cristina RADU²⁾, Iulia GRIGORE³⁾ ¹⁾ARDS Secuieni / Romania; ²⁾APPR ROMANIA Forum / Romania; ³⁾INMA Bucharest / Romania <i>*E-mail: andreeasabina97@yahoo.com</i></p>	09 ⁵⁵ -10 ⁰⁰	<p>THE IMPORTANCE OF CONSERVATION TECHNOLOGIES FOR AGRICULTURE IN THE CONDITIONS OF PROLONGED DROUGHT / IMPORTANȚA TEHNOLOGIILOR CONSERVATIVE PENTRU AGRICULTURĂ ÎN CONDIȚIILE UNOR SECETE PRELUNGITE Dragoș ANGHELACHE¹⁾, Mariana EPURE¹⁾, Nicoleta UNGUREANU²⁾, Cristinel DUMITRU¹⁾, Valentin VLĂDUȚ¹⁾, Mihai OLAN¹⁾, Gheorghe MATEI³⁾, Gabriel-Ciprian TELIBAN⁴⁾, Lavinia-Diana-Nicoleta BUTURUGA-BARBU⁵⁾ ¹⁾INMA Bucharest / Romania; ²⁾University "POLITEHNICA" Bucharest / Romania; ³⁾University of Craiova / Romania; ⁴⁾University of Life Sciences Iasi / Romania; ⁵⁾RICDPP Bucharest / Romania <i>Email: nicoletaung@yahoo.com; cdumitru@inma.ro; valentin_vladut@yahoo.com</i></p>	09 ⁵⁵ -10 ⁰⁰
<p>RESEARCH ON THE IMPACT OF TECHNOLOGICAL FACTORS ON THE GROWTH AND DEVELOPMENT OF SUGAR BEET IN THE CLIMATE CHANGE CONTEXT IN CENTRAL MOLDOVA / CERCETĂRI PRIVIND IMPACTUL FACTORILOR TEHNOLOGICI ASUPRA CREȘTERII ȘI DEZVOLTĂRII SFECLEI DE ZAHĂR ÎN CONTEXTUL SCHIMBĂRIILOR CLIMATICE DIN CENTRUL MOLDOVEI Simona-Florina ISTICIOAIA¹⁾, Alexandra LEONTE¹⁾, Andreea-Sabina PINTILIE¹⁾, Doru STANCIU^{*1)}, Lorena-Diana POPA¹⁾, Alexandra- Andreea BUBURUȘ¹⁾, Gheorghe MATEI²⁾, Lorena ADAM³⁾, Florin NENCIU⁴⁾, Gabriel-Ciprian TELIBAN⁵⁾ ¹⁾ ARDS Secuieni / Romania; ²⁾ University of Craiova / Romania; ³⁾ National Institute of Research and Development for Potato and Sugar Beet Brasov / Romania; ⁴⁾ INMA Bucharest / Romania; ⁵⁾ University of Life Sciences Iasi / Romania <i>*E-mail: dorustanciu98@yahoo.com</i></p>	10 ⁰⁰ -10 ⁰⁵	<p>ADVANCED TECHNIQUES FOR MONITORING PESTS IN FRUIT CROPS / TEHNICI AVANSATE DE MONITORIZARE A DĂUNĂTORILOR ÎN CULTURILE POMICOLE Catalin PERSU^{*1)}, Dan CUJBESCU¹⁾, Iuliana GĂGEANU¹⁾, Alexandru IONESCU¹⁾, Dragoș ANGHELACHE¹⁾, Bence KOVÁCS²⁾ ¹⁾INMA Bucharest / Romania; ²⁾Technical University of Cluj-Napoca / Romania <i>*E-mail: persucatalin@yahoo.com</i></p>	10 ⁰⁰ -10 ⁰⁵
<p>RESEARCH ON THE PRODUCTIVE AND QUALITATIVE POTENTIAL OF SPRING WHEAT CULTIVATED UNDER THE ECO-PEDOCLIMATIC CONDITIONS OF CENTRAL MOLDOVA / CERCETĂRI PRIVIND POTENȚIALUL PRODUCTIV ȘI CALITATIV AL GRÂULUI DE PRIMĂVARĂ CULTIVAT ÎN CONDIȚIILE ECOPEDOCLIMATICE DIN CENTRUL MOLDOVEI Simona-Florina ISTICIOAIA¹⁾, Alexandra LEONTE¹⁾, Andreea-Sabina PINTILIE¹⁾, Lorena-Diana POPA¹⁾, Alexandra- Andreea BUBURUȘ¹⁾, Gheorghe MATEI²⁾, Rozalia KADAR³⁾, Ionuț RACZ³⁾, Remus OPRESCU⁴⁾, Ioana BUȚERCH⁵⁾ ¹⁾ ARDS Secuieni / Romania; ²⁾ University of Craiova / Romania; ³⁾ ARDS Turda / Romania; ⁴⁾ INMA Bucharest / Romania; ⁵⁾ University of Life Sciences Iasi / Romania <i>*E-mail: ioana.calin16@yahoo.com</i></p>	10 ⁰⁵ -10 ¹⁰	<p>LEVERAGING ARDUINO MICROCONTROLLERS FOR DOUGHNUT PRODUCTION AUTOMATION / UTILIZAREA MICROCONTROLELOR ARDUINO PENTRU AUTOMATIZAREA PRODUCȚIEI DE GOGOȘI Bence KOVÁCS¹⁾, Cătălin PERSU²⁾, Lucian Viorel FECHETE-TUTUNARU¹⁾ ¹⁾Technical University of Cluj-Napoca / Romania; ²⁾INMA Bucharest / Romania <i>* E-mail: Lucian.Fechete@auto.utcluj.ro</i></p>	10 ⁰⁵ -10 ¹⁰
<p>RESEARCH ON THE INFLUENCE OF TECHNOLOGICAL FACTORS ON SEED PRODUCTION IN CARTHAMUS TINCTORIUS (SAFFLOWER) SPECIES / CERCETĂRI PRIVIND INFLUENȚA FACTORILOR TEHNOLOGICI ASUPRA PRODUCȚIEI DE SEMINȚE LA SPECIA CARTHAMUS TINCTORIUS (ȘOFRĂNEL) Oana MÎRZAN¹⁾, Margareta NAIÉ¹⁾, Doru STANCIU¹⁾, Alexandra BUBURUȘ¹⁾, Cătălina TUDORA²⁾, Diana BAȚÎR RUSU³⁾ ¹⁾ ARDS Secuieni / Romania; ²⁾ INMA Bucharest / Romania; ³⁾ Plant Genetic Resources Bank Suceava / Romania <i>*E-mail: spanuoana@yahoo.com</i></p>	10 ¹⁰ -10 ¹⁵	<p>DESIGN AND IMPLEMENTATION OF AN AUTONOMOUS SIDE PARKING SYSTEM / PROIECTAREA ȘI IMPLEMENTAREA UNUI SISTEM AUTONOM DE PARCARE LATERALĂ Bogdan Ioan STANA¹⁾, Vasilica ȘTEFAN²⁾, Lucian Viorel FECHETE-TUTUNARU¹⁾ ¹⁾Technical University of Cluj-Napoca / Romania; ²⁾INMA Bucharest / Romania <i>* E-mail: Lucian.Fechete@auto.utcluj.ro</i></p>	10 ¹⁰ -10 ¹⁵
<p>RESEARCH ON THE PRODUCTIVITY OF SOME VARIETIES OF RED CLOVER (TRIFOLIUM PRATENSE) IN PEDOCLIMATIC CONDITIONS FROM A.R.D.S. SECUIENI / CERCETĂRI PRIVIND PRODUCTIVITATEA UNOR SOIURI DE TRIFOLIUM PRATENSE ÎN CONDIȚIILE PEDOCLIMATICE DE LA S.C.D.A. SECUIENI Margareta NAIÉ¹⁾, Oana MÎRZAN¹⁾, Alexandra BUBURUȘ¹⁾, Doru STANCIU¹⁾, Mihai STĂVARACHE²⁾, Adriana MUSCALU³⁾, Diana BAȚÎR RUSU⁴⁾ ¹⁾ ARDS Secuieni / Romania; ²⁾ Meadows Research - Development Station Vaslui / Romania; ³⁾ INMA Bucharest / Romania; ⁴⁾ Plant Genetic Resources Bank "Mihai Cristea" Suceava / Romania <i>*E-mail: naie.marieta@yahoo.com</i></p>	10 ¹⁵ -10 ²⁰	<p>SILAGE OF GREEN FODDER, A FAVORABLE ALTERNATIVE FOR SMALL AND MEDIUM-SIZED FARMS / INSILOZAREA FURAJELOR VERZI, ALTERNATIVA FAVORABILĂ PENTRU FERMELE MICI ȘI MIJLOCII Alexandru ZAICA[*], Dragoș ANGHELACHE, Ana ZAICA, Ana-Maria TĂBĂRAȘU, Melania CISMARU, Elisabeta PRISACARIU National Institute for Research-Development of Machines and Installations designed for Agriculture and Food Industry - INMA Bucharest / Romania <i>*Tel: 0726 147 336; *E-mail: zaica_alexandru@yahoo.com</i></p>	10 ¹⁵ -10 ²⁰
<p>RESEARCH ON THE ACHIEVEMENT OF A FUNCTIONAL INGREDIENT FROM BROCCOLI LEAVES BY LYOPHILLATION / CERCETĂRI PRIVIND OBTINEREA UNUI INGREDIENT FUNCȚIONAL DIN FRUNZELE DE BROCCOLI, PRIN LIOFILAZARE Mona CATANĂ¹⁾, Luminița CATANĂ¹⁾, Florica CONSTANTINESCU¹⁾*, Alexandra-Monica DĂRĂ¹⁾, Valentin VLĂDUȚ²⁾ ¹⁾ IBA Bucharest / Romania; ²⁾INMA Bucharest / Romania <i>*E-mail: cflori@yahoo.com, florica.constantinescu@bioresurse.ro</i></p>	10 ²⁰ -10 ²⁵	<p>RESEARCH ON THE FORTIFICATION OF A BAKERY PRODUCT WITH SPIRULINA, TO INCREASE ITS NUTRITIONAL VALUE AND ANTIOXIDANT CAPACITY / CERCETĂRI PRIVIND FORTIFIEREA CU SPIRULINĂ, A UNUI PRODUS DE PANIFICAȚIE, ÎN SCOPUL CREȘTERII VALORII NUTRIȚIONALE ȘI CAPACITĂȚII ANTIOXIDANTE Eugeniu TĂTARU¹⁾, Iulia IATCO¹⁾* ¹⁾ARBORVITAE S.R.L. / Romania; <i>*E-mail: iuliatco@gmail</i></p>	10 ²⁰ -10 ²⁵
<p>BIOACTIVE COMPOUNDS SYNTHESIZED BY MEDICINAL EDIBLE MUSHROOMS / COMPUȘI BIOACTIVI SINTETIZAȚI DE CIUPERCILE COMESTIBILE MEDICINALE Mariana FERDEȘ[*], Mirela-Nicoleta DINCĂ, Elena - Mădălina ȘTEFAN, Mariana IONESCU, Bianca – Ștefania ZĂBAVĂ National University of Science and Technology POLITEHNICA Bucharest / Romania <i>*E-mail: marianaferdesh@yahoo.com</i></p>	10 ²⁵ -10 ³⁰	<p>NUTRITIONAL EVALUATION OF PROTEIN SOURCES FROM CHLORELLA AND SPIRULINA / EVALUAREA NUTRIȚIONALĂ A SURSELOR PROTEICE DIN CHLORELLA ȘI SPIRULINA Iulia-Elena SUSMAN, Cristian FLOREA, Mihaela MULTESCU, Alina CULETU[*] National Institute of Research and Development for Food Bioresources - IBA Bucharest / Romania <i>*E-mail: alina.culetu@bioresurse.ro; alinaculetu@gmail.com</i></p>	10 ²⁵ -10 ³⁰
<p>RESEARCH ON THE NUTRITIONAL COMPOSITION AND CONTENT IN BIOACTIVE COMPOUNDS OF THE MICROALGA HAEMATOCOCCUS PLUVIALIS / CERCETĂRI PRIVIND COMPOZIȚIA NUTRIȚIONALĂ ȘI CONȚINUTUL ÎN COMPUȘI BIOACTIVI ALE MICROALGEI HAEMATOCOCCUS PLUVIALIS Luminița CATANĂ¹⁾, Mona CATANĂ¹⁾*, Eugeniu TĂTARU²⁾, Anda Gratiela BURNETE¹⁾, Florica CONSTANTINESCU¹⁾, Valentin VLĂDUȚ³⁾ ¹⁾ IBA Bucharest / Romania; ²⁾ARBORVITAE S.R.L. / Romania; ³⁾INMA Bucharest / Romania <i>*E-mail: mcatana1965@gmail.com; mona.catana@bioresurse.ro</i></p>	10 ³⁰ -10 ³⁵	<p>AMARANTH: FROM COMMON WEED TO POTENTIAL SUPERFOOD WITH PROMISING PHARMACOLOGICAL PROPERTIES / AMARANTH: DE LA BURUIANĂ COMUNĂ LA POTENTIALUL SUPERALIMENT CU PROPRIETĂȚI FARMACOLOGICE PROMĂTOARE Mihaela LACATUS¹⁾, Ioan Ladislau CABA^{*2)}, Nicolae-Valentin VLADUȚ²⁾, Simion ALDA³⁾, Despina-Maria BORDEAN¹⁾ ¹⁾ King Michael I University of Life Sciences of Timișoara / Romania; ²⁾INMA Bucharest / Romania; ³⁾ University of Life Sciences "King Michael I of Timișoara / Romania <i>*E-mail: cabaioan@yahoo.com</i></p>	10 ³⁰ -10 ³⁵

<p>EXTRACTION OF BIOACTIVE COMPOUNDS FROM CHICKPEAS (CICER ARIETINUM L.): A SCIENTIFIC OVERVIEW / EXTRAȚIA COMPUȘILOR BIOACTIVI DIN NĂUT (CICER ARIETINUM L.): ANALIZA BIBLIOGRAFICĂ Denisa Eglantina DUȚĂ¹⁾, Gabriela Daniela CRIVEANU-STAMATIE¹⁾, Valentin VLĂDUȚ²⁾ ¹⁾IBA Bucharest / Romania; ²⁾INMA Bucharest / Romania <i>Email: denisa.duta@bioresurse.ro</i></p>	10 ⁴⁴ -10 ⁴⁵	<p>TECHNOLOGIES AND EQUIPMENT FOR ADEQUATE MANAGEMENT OF ECOLOGICAL AGRICULTURE / TEHNOLOGII ȘI ECHIPAMENTE PENTRU UN MANAGEMENT ADECVAT AGRICULTURII ECOLOGICE Cristinel DUMITRU¹⁾, Valentin VLĂDUȚ¹⁾, Mihai OLAN¹⁾, Nicoleta UNGUREANU²⁾, Adrian IOSIF²⁾, Florin NENCIU¹⁾, Cristian SORICĂ¹⁾, Elena SORICĂ¹⁾, Cătălina TUDORA¹⁾, Luminița CATANĂ³⁾, Denisa DUȚĂ³⁾, Ștefan DUMITRU¹⁾ ¹⁾INMA Bucharest / Romania; ²⁾National University of Science and Technology POLITEHNICA Bucharest / Romania; ³⁾IBA Bucharest / Romania <i>Email: nicoletaung@yahoo.com; valentin_vladut@yahoo.com</i></p>	10 ⁴⁴ -10 ⁴⁵
<p>FACTORS INFLUENCING PROFICIENCY TESTING EVALUATION / FACTORII CARE INFLUENȚEAZĂ EVALUAREA TESTELOR DE PERFORMANȚĂ Floarea ȘERBANȚEA¹⁾, Florin NENCIU²⁾, Aurelia STĂNESCU³⁾, Cristian ȘERBANȚEA¹⁾ ¹⁾IBA Bucharest / Romania; ²⁾INMA Bucharest / Romania; ³⁾Faculty of Management, Bucharest University of Economic Studies / Romania <i>E-mail: floarea.serbancea@bioresurse.ro</i></p>	10 ⁴⁵ -10 ⁵⁰	<p>PERFORMANCE AND ACCURACY ANALYSIS OF YOLOV8 MODELS ON TOMATO IMAGE DATASETS / ANALIZA PERFORMANȚEI ȘI PRECIZIEI MODELELOR YOLOV8 PE SETURI DE DATE DE IMAGINI CU ROȘII Robert-Dorin CRISTEA¹⁾, Dorin-Andrei CÎRSTEĂ¹⁾, Alexandru IONESCU¹⁾, Mihai Gabriel MATAȚHE¹⁾, Grațiana-Florinela PANĂ²⁾ ¹⁾INMA Bucharest / Romania; ²⁾National University of Science and Technology POLITEHNICA Bucharest / Romania <i>*E-mail: robertcri@yahoo.com</i></p>	10 ⁴⁵ -10 ⁵⁰
<p>BIOLOGICAL FILTRATION SYSTEMS IN RECIRCULATED AQUACULTURE / SISTEME DE FILTRARE BIOLOGICĂ ÎN ACVACULTURA RECIRCULANTĂ Vlad-Nicolae ARSENOAIA¹⁾, Iulian VOICEA²⁾, Florin NENCIU²⁾, Catalin PERSU²⁾, Dan CUJBESCU²⁾, Viorel FATU³⁾, Ioana Corina MOGA⁴⁾ ¹⁾ Department of Pedotechnics, Faculty of Agriculture, "Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary Medicine / Romania; ²⁾INMA Bucharest / Romania; ³⁾ Research Development Institute for Plant Protection - ICDPP Bucharest / Romania; ⁴⁾Romanian Academy, National Institute for Economic Research, Center for Study and Research for AgroForestry Biodiversity "Acad. David Davidescu" Bucharest / Romania <i>*Tel: 0752 161 780; *E-mail: voicea_iulian@yahoo.com, vnarsenoaia@uaia.ro</i></p>	10 ⁵⁰ -10 ⁵⁵	<p>SIMULATION AND ANALYSIS OF SOIL TILLAGE AGGREGATE DYNAMICS USING ALTAIR'S EDEM SOFTWARE / SIMULAREA ȘI ANALIZA DINAMICII AGREGATULUI DE FREZAT SOLUL UTILIZÂND SOFTWARE-UL EDEM DE LA ALTAIR Elisabeta PRISACARIU¹⁾, Alin-Nicolae HARABAGIU¹⁾, Radu CIUPERCA¹⁾ Dragoș-Nicolae DUMITRU¹⁾, Stefano-Andreea MANTOVANI^{1,2)}, Vasilica ȘTEFAN¹⁾, Elena-Melania CISMARU¹⁾ ¹⁾INMA Bucharest / Romania; ²⁾ National University of Science and Technology Politehnica Bucharest / Romania <i>*Tel: 0760 474 881; *E-mail: elisabeta_betii@yahoo.com</i></p>	10 ⁵⁰ -10 ⁵⁵
<p>ULTRASOUND EXTRACTION TECHNIQUE APPLIED FOR THE EXTRACTION OF POLYPHENOLIC COMPOUNDS FROM THE SEA BUCKTHORN POMACE: A REVIEW / TEHNICĂ DE EXTRAȚIE CU ULTRASUNETE APLICATĂ PENTRU EXTRAȚIA COMPUȘILOR POLIFENOLICI DIN TESCOVINA DE CĂȚINĂ: O RECENZIE Mihai Bogdan NICOLCIOIU¹⁾, Alina CULEȚU¹⁾ ¹⁾National Institute of Research and Development for Food Bioresources, IBA Bucharest, Bucharest / Romania <i>E-mail: alina.culetu@bioresurse.ro; alinaculetu@gmail.com</i></p>	10 ⁵⁵ -11 ⁰⁰	<p>MODAL AND STRUCTURAL ANALYSIS OF THE BLADE ROTOR OF A MOWING EQUIPMENT FOR INTER-ROW SPACES USING SOLIDWORKS SIMULATION / ANALIZA MODALĂ ȘI STRUCTURALĂ A ROTORULUI CU CUȚITE A UNUI ECHIPAMENT DE COSIT PENTRU INTERVALURILE ÎNTERBATE UTILIZÂND SOLIDWORKS SIMULATION Alin-Nicolae HARABAGIU¹⁾, Elisabeta PRISACARIU¹⁾, Stefano-Andreea MANTOVANI^{1,2)}, Vasilica ȘTEFAN¹⁾, Lucreția POPA¹⁾, Elena-Melania CISMARU¹⁾, Dragoș-Nicolae DUMITRU¹⁾, Adriana-Raluca ZOTA²⁾ ¹⁾ INMA Bucharest / Romania; ²⁾National University of Science and Technology POLITEHNICA Bucharest / Romania <i>*Tel: 0040 773 867 656; *E-mail: alinhara04@gmail.com</i></p>	10 ⁵⁵ -11 ⁰⁰
<p>THE INFLUENCE OF PROCESSING METHOD AND PLANT PROTEIN INGREDIENTS ON THE BREAD MICROBIOLOGICAL QUALITY / INFLUENȚA METODEI DE PRELUCRARE ȘI A INGREDIENTELOR PROTEICE VEGETALE ASUPRA CALITĂȚII MICROBIOLOGICE A PĂINII Gabriela Daniela CRIVEANU-STAMATIE¹⁾, Denisa Eglantina DUȚĂ¹⁾, Mirela CUCU¹⁾, Alina DOBRE¹⁾, Valentin VLADUȚ²⁾ ¹⁾IBA Bucharest / Romania; ²⁾INMA Bucharest / Romania <i>*E-mail: gabriela.stamatie@bioresurse.ro</i></p>	10 ⁵⁵ -11 ⁰⁰		
11⁰⁰-11³⁰: Coffee break			

<p>SECTION 5 – PNRR C9_15_CeSoH_PS1: Soil health and food safety by introducing a soil remediation protocol and developing a mobile remediation equipment to reduce the concentration of organic/inorganic pollutants Chairman: ISTRATE Irina</p>	(ISB Faculty Hall D101) 14 ³⁰ -15 ³⁰
<p>SECTION 6 – PNRR C9_15_CeSoH_PS3: Fertile and healthy soil through conservative and biological practices Chairman: MANEA Dragoș</p>	(ISB Faculty Hall D101) 15 ³⁰ -16 ³⁰

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