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**PROGRAM OF THE**

**INTERNATIONAL SYMPOSIUM**

**ISB-INMA TEH**

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

**- 2021 -**

29 October

*Online*

# October 29<sup>th</sup>, 2021

- ONLINE -

9<sup>00</sup> – 9<sup>40</sup>

## **Opening speech**

- Gigel PARASCHIV *State Secretary – Ministry of Education*
- Mihnea COSTOIU *Rector – University “POLITEHNICA” of Bucharest*
- Valeriu TABĂRĂ *President - Academy of Agricultural and Forestry Sciences*
- Sorin Ștefan BIRIȘ *Dean - Faculty of Biotechnical Engineering Systems, University “POLITEHNICA” of Bucharest*
- Gheorghe VOICU *Director of the Biotechnical Systems Department, Faculty of Biotechnical Engineering Systems, University “POLITEHNICA” of Bucharest*
- Cristina COVALIU-MIERLA *Director of PhD students School “Biotechnical Systems Engineering”*
- Nastasia BELC *General Manager, National Research and Development Institute for Food Bioresources – IBA Bucharest*
- Valentin VLĂDUȚ *General Manager, National Institute of Research-Development for Machines and Installations Designed for Agriculture and Food Industry – INMA Bucharest*
- Cătălin DUMITRESCU *Director, INOE 2000 – Subsidiary Hydraulics & Pneumatics Research Institute -IHP Bucharest*

9<sup>40</sup> – 12<sup>00</sup>

### **Presentation of papers on sections (ORAL)**

- SECTION 1 - POWER AND MACHINERY
- SECTION 2 - ECOLOGY & ENVIRONMENT
- SECTION 3 - FOOD INDUSTRY
- SECTION 4 – YOUNG PEOPLE (Ph.D. Students)

12<sup>00</sup> – 12<sup>30</sup>

### **Coffee break**

12<sup>30</sup> – 15<sup>00</sup>

### **Presentation of papers on sections (ORAL)**

- SECTION 1 - POWER AND MACHINERY
- SECTION 2 - ECOLOGY & ENVIRONMENT
- SECTION 3 - FOOD INDUSTRY
- SECTION 4 – YOUNG PEOPLE (Ph.D. Students)

9<sup>40</sup> – 12<sup>00</sup>

### **Presentation of papers on sections (POSTER)**

- SECTION 1 - POWER AND MACHINERY
- SECTION 2 - ECOLOGY & ENVIRONMENT
- SECTION 3 - FOOD INDUSTRY
- SECTION 4 – YOUNG PEOPLE (Ph.D. Students)

12<sup>00</sup> – 12<sup>30</sup>

### **Coffee break**

12<sup>30</sup> – 15<sup>00</sup>

### **Presentation of papers on sections (POSTER)**

- SECTION 1 - POWER AND MACHINERY
- SECTION 2 - ECOLOGY & ENVIRONMENT
- SECTION 3 - FOOD INDUSTRY
- SECTION 4 – YOUNG PEOPLE (Ph.D. Students)

<b>SECTION 1 - POWER AND MACHINERY - ORAL PRESENTATION</b>		<b>SECTION 2 - ECOLOGY &amp; ENVIRONMENT - ORAL PRESENTATION</b>	
<b>Chairman:</b> BIRIS Sorin / VLĂDUȚ Valentin / PARASCHIV Gigel		<b>Chairman:</b> RUSĂNESCU Carmen / NENCIU Florin / UNGUREANU Nicoleta	
<b>REDUCING THE CONSUMPTION OF RAW MATERIALS THROUGH PREDICTIVE MAINTENANCE AND COMPONENT REMANUFACTURING OF FLUID POWER EQUIPMENT / REDUCEREA CONSUMULUI DE MATERII PRIME PRIN MENTENANȚĂ PREDICTIVĂ ȘI REMANUFACTURAREA COMPONENTELOR HIDRAULICE</b> Radoi R. <sup>1)</sup> , Dumitrescu C. <sup>1)</sup> , Sefu St. <sup>1)</sup> , Tudor B. <sup>1)</sup> , Anghelache D. <sup>2)</sup> <sup>1)</sup> INOE 2000 – Subsidiary Hydraulics & Pneumatics Research Institute / Romania; <sup>2)</sup> INMA Bucharest / Romania E-mail: <a href="mailto:radoi.ihp@fluidas.ro">radoi.ihp@fluidas.ro</a>	9 <sup>45</sup> -10 <sup>00</sup>	<b>RESEARCH ON DISEASE AND PEST CONTROL IN DOINA FIELD BEAN CULTURE USING SOLID AND LIQUID DIATOMITE / CERCETARI PRIVIND COMBATAREA BOLILOR ȘI A DĂUNĂTORILOR ÎN CULTURA DE FASOLE DE CÂMP DOINA UTILIZÂND DIATOMITA SOLIDĂ ȘI LICHIDĂ</b> Mirea E. <sup>1)</sup> , Bumichi F. <sup>1)</sup> , Toader A. C. <sup>1)</sup> , Toma D. M. <sup>1)</sup> , Manea V. <sup>1)</sup> , Staicu B. <sup>1)</sup> , Gurau L. <sup>2)</sup> , Florescu I. <sup>2)</sup> <sup>1)</sup> Vegetable Research and Development Station Buzau, / Romania; <sup>2)</sup> Research and Development Institute for Plant Protection Bucharest, Romania Tel: 004-0763366050; E-mail: <a href="mailto:mirea_emilian_11@yahoo.com">mirea_emilian_11@yahoo.com</a>	9 <sup>45</sup> -10 <sup>00</sup>
<b>CONSIDERATIONS REGARDING THE USE OF SLATTED MOLDBOARD IN PLOWING EQUIPMENT / CONSIDERAȚII PRIVIND UTILIZAREA CORMANELOR LAMELARE ÎN ECHIPAREA PLUGURILOR</b> Oprescu R.M.* <sup>1)</sup> , Dumitru I. <sup>1)</sup> , Nenciu F. <sup>1)</sup> , Voicea I. <sup>1)</sup> <sup>1)</sup> INMA Bucharest / Romania Tel: +40-766-580.791; E-mail: <a href="mailto:oprescu.remusmaris@gmail.com">oprescu.remusmaris@gmail.com</a>	10 <sup>00</sup> -10 <sup>15</sup>	<b>STUDIES AND RESEARCH REGARDING THE EFFICIENCY OF THE OPERATION OF A BIOHUMUS PRODUCTION INSTALLATION / STUDII ȘI CERCETĂRI PRIVIND EFICIENȚA FUNCȚIONĂRII UNEI INSTALAȚII DE PRODUCERE A BIOHUMUSULUI</b> Laza E-A. <sup>1)</sup> , Caba I. <sup>1)</sup> , Stroescu Gh. <sup>1)</sup> , Păun A. <sup>1)</sup> , Bălțatu C., Zaica A. <sup>1)</sup> , Zaica Al. <sup>1)</sup> , Naie M. <sup>2)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> SCDA Secuieni / Romania E-mail: <a href="mailto:eveline_anda@yahoo.com">eveline_anda@yahoo.com</a>	10 <sup>00</sup> -10 <sup>15</sup>
<b>A SEMI-EMPIRICAL MODEL FOR WHEEL TRACTION: MODEL EXTENSION BASED ON DIFFERENT SHAPES OF TIRE CROSS-SECTION / UN MODEL SEMI-EMPIRIC PENTRU TRACȚIUNEA ROȚII CU PNEU: EXTINDEREA MODELULUI PENTRU DIFERITE FORME ALE SECȚIUNII TRANSVERSALE A PNEULUI</b> Roșca R. <sup>1)</sup> , Cârlescu P. <sup>1)</sup> , Țenu I. <sup>1)</sup> <sup>1)</sup> University of Life Sciences, Iași / Romania; Tel: +40-744-43675.1 E-mail: <a href="mailto:rosca@uaiasi.ro">rosca@uaiasi.ro</a>	10 <sup>15</sup> -10 <sup>30</sup>	<b>RESEARCH ON THE APPLICABILITY OF WATER HYACINTH BIOMASS IN SUSTAINABLE AGRICULTURE / CERCETĂRI PRIVIND APLICABILITATEA BIOMASEIDIN ZAMBILA DE APĂ ÎN AGRICULTURA DURABILĂ - REVIEW</b> Matache A. <sup>1)</sup> , Vanghele N. A. <sup>1)</sup> , Petre A. A. <sup>1)</sup> , Stanciu M. M. <sup>1)</sup> , Mihalache D. B. <sup>1)</sup> <sup>1)</sup> INMA Bucharest / Romania; Tel: 0212693259; E-mail: <a href="mailto:andmatache@yahoo.com">andmatache@yahoo.com</a>	10 <sup>15</sup> -10 <sup>30</sup>
<b>CONSTRUCTIVE OPTIMIZATION OF THE WORKING PARTS OF TECHNICAL EQUIPMENT INTENDED FOR VINEYARD MAINTENANCE WORKS MECHANIZATION / OPTIMIZAREA CONSTRUCTIVĂ A ORGANELOR DE LUCRU DIN COMPONENTA UNUI ECHIPAMENT TEHNIC DESTINAT PENTRU MECANIZAREA LUCRĂRIILOR DE ÎNTREȚINERE A PLANTAȚILE DE VIȚĂ DE VIE</b> Sumedrea D-I. <sup>1)</sup> , Tănase A. <sup>1)</sup> <sup>1)</sup> INCDBH Ștefănești Argeș / Romania Tel: 0722678926; E-mail: <a href="mailto:dsumedrea@yahoo.com">dsumedrea@yahoo.com</a>	10 <sup>30</sup> -10 <sup>45</sup>	<b>CONTROL OF WEEDS IN SWEET POTATOES ON SANDY SOILS / COMBATAREA BURUIENILOR DIN CULTURA DE CARTOF DULCE PE SOLURI NISIPOASE</b> Grădilă M.* <sup>1)</sup> , Jalobă D. <sup>1)</sup> , Ciontu <sup>1)</sup> , Cristea R. <sup>1)</sup> , Drăghici R. <sup>2)</sup> , Dumitru I. <sup>3)</sup> , Constantin A-M. <sup>3)</sup> <sup>1)</sup> Research - Development Institute for Plant Protection Bucharest / Romania; <sup>2)</sup> Research and Development Station for Plant Culture on Sandy Soils Dăbuleni / Romania; <sup>3)</sup> INMA Bucharest / Romania Tel: 0724925155; e-mail: <a href="mailto:marga_gradila@yahoo.com">marga_gradila@yahoo.com</a>	10 <sup>30</sup> -10 <sup>45</sup>
<b>FUNCTIONAL CONTROLABILITY OF THE «MACHINE-ANIMAL» SYSTEM / ФУНКЦІОНАЛЬНА КЕРОВАНІСТЬ СИСТЕМИ «МАШИНА-ТВАРИНА»</b> Dmytriv I.V. Lviv Polytechnic National University, Institute of Engineering Mechanics and Transport, Lviv / Ukraine E-mail: <a href="mailto:dmytriv_v@ukr.net">dmytriv_v@ukr.net</a>	10 <sup>45</sup> -11 <sup>00</sup>	<b>CORRELATION BETWEEN FERTILIZATION, CARBOHYDRATE CONTENT AND FROST RESISTANCE OF VINEYARDS / CORELAȚIA DINTRE FERTILIZARE, CONȚINUTUL DE CARBOHIDRATI ȘI REZISTENȚA LA ÎNGHET, LA CULTURA DE VITA DE VIE</b> Lixandru M.* <sup>1)</sup> , Fendrihan S. <sup>1)</sup> , Ștefan V. <sup>2)</sup> <sup>1)</sup> Research Institute for Plant Protection / Romania; <sup>2)</sup> INMA Bucharest / Romania Tel: 0723092467; E-mail: <a href="mailto:lixandrumarian@yahoo.com">lixandrumarian@yahoo.com</a>	10 <sup>45</sup> -11 <sup>00</sup>
<b>METHOD OF THEORY OF DIMENSIONS IN EXPERIMENTAL RESEARCH OF SYSTEMS AND PROCESSES / МЕТОД ТЕОРІЇ РОЗМІРНОСТЕЙ В ЕКСПЕРИМЕНТАЛЬНИХ ДОСЛІДЖЕННЯХ СИСТЕМ І ПРОЦЕСІВ</b> Dmytriv V.T. <sup>1)</sup> , Dmytriv I.V. <sup>1)</sup> , Horodetskyi I.M. <sup>2)</sup> , Gorodnyak R. V. <sup>1)</sup> , Dmytriv T.V. <sup>3)</sup> <sup>1)</sup> Lviv Polytechnic National University, Institute of Mechanical Engineering and Transport / Ukraine <sup>2)</sup> Lviv National Agrarian University, Faculty of Mechanic, Power Engineering and Information Technologies / Ukraine <sup>3)</sup> Lviv Polytechnic National University, Institute of Computer Technologies, Automation and Metrology / Ukraine E-mail: <a href="mailto:dmytriv_v@ukr.net">dmytriv_v@ukr.net</a>	11 <sup>00</sup> -11 <sup>15</sup>	<b>THE EFFECT OF SPRAYING NANOPARTICLES OF SEAWEEDS, ADDING COMPOST OF WATER HYACINTH AND COW MANURE ON VEGETATIVE GROWTH PARAMETERS AND QUALITATIVE CHARACTERISTICS OF FRUITS OF OKRA PLANTS (ABELMOSCHUS ESCULENTUS L.) GROWN IN UNHEATED PLASTIC HOUSES</b> D. A. Taain <sup>1)</sup> , A. A. A. Abdullah <sup>2)</sup> , A. H. Jaber <sup>3)</sup> <sup>1), 2)</sup> Department of Horticulture and Landscape - College of Agriculture - University of Basra, <sup>3)</sup> Department of horticulture - College of Agriculture - University of Muthanna, Iraq E-mail: <a href="mailto:golden_fruit@yahoo.com">golden_fruit@yahoo.com</a>	11 <sup>00</sup> -11 <sup>15</sup>
<b>POWERED DISC IMPLEMENTS: BEST FOR CONSERVATIONAL TILLAGE SYSTEMS AND SUSTAINABLE AGRICULTURAL DEVELOPMENT / POWERED DISC IMPLEMENTS: TERBAIK UNTUK SISTEM PENGOLAHAN TANAH KONSERVASI DAN PERTANIAN BERKELANJUTAN</b> Nalavade P. <sup>1)</sup> , Soni P. <sup>2)</sup> , Salokhe V. <sup>3)</sup> , Niyamapa T. <sup>4)</sup> <sup>1)</sup> Punjabrao Deshmukh Krishi Vidhyapeeth, Akola (MH) / India <sup>2)</sup> Faculty, Department of Agricultural and Food Engineering, Indian Institute of Technology / India <sup>3)</sup> Former Faculty, Agricultural Systems and Engineering, Asian Institute of Technology / Thailand <sup>4)</sup> Former Faculty, Department of Agricultural Engineering, Kasetsart University Kamphengsan / Thailand E-mail: <a href="mailto:parish.nalavade@yahoo.com">parish.nalavade@yahoo.com</a>	11 <sup>15</sup> -11 <sup>30</sup>	<b>PRODUCTION OF ENERGY AND AGRIBIOCHAR WITHOUT RESIDUES AND WITH NEGATIVE CARBON FOOTPRINT WITH CHAB AND CHPAB CONCEPTS FROM THE ANNUAL RESIDUAL VEGETABLE AGRICULTURAL BIOMASS FROM ROMANIA / PRODUCȚIA DE ENERGIE ȘI AGRIBIOCĂRBUNE FĂRĂ REZIDUURI ȘI CU AMPRENTĂ DE CARBON NEGATIVĂ CU CONCEPTE CHAB ȘI CHPAB DIN BIOMASA AGRICOLĂ VEGETALĂ REZIDUALĂ ANUALĂ DIN ROMÂNIA</b> Murad E. EKKO AG Inovative Department / Romania E-mail: <a href="mailto:erolmurad@yahoo.com">erolmurad@yahoo.com</a>	11 <sup>15</sup> -11 <sup>30</sup>

<b>SECTION 1 - POWER AND MACHINERY - ORAL PRESENTATION</b>		<b>SECTION 2 - ECOLOGY &amp; ENVIRONMENT - ORAL PRESENTATION</b>	
<b>Chairman:</b> BIRIS Sorin / VLĂDUȚ Valentin / PARASCHIV Gigel		<b>Chairman:</b> RUSĂNESCU Carmen / NENCIU Florin / UNGUREANU Nicoleta	
<b>OBSERVATION AND SURVEILLANCE MOBILE PLATFORM FOR EMERGENCY SITUATIONS INTERVENTIONS – SMARTISU / PLATFORMĂ MOBILĂ DE OBSERVARE ȘI SUPRAVEGHERE PENTRU INTERVENȚII ÎN SITUAȚII DE URGENȚĂ - SMARTISU</b> Vasii M. <sup>1)</sup> , Moraru D.E. <sup>1)</sup> , Sorică E. <sup>2)</sup> , Sorică C. <sup>2)</sup> , Grigore A. I. <sup>2)</sup> , Vlăduțoiu L. <sup>2)</sup> , <sup>1)</sup> C4PRO ENGINEERING S.R.L. / Romania; <sup>2)</sup> INMA Bucharest / Romania Tel: 0723505191; E-mail: <a href="mailto:mihaiavocat@yahoo.com">mihaiavocat@yahoo.com</a>	11 <sup>30</sup> -11 <sup>45</sup>	<b>HUMAN HEALTH RISKS IN WASTEWATER – IRRIGATED AGRICULTURE / RISCURI ASUPRA SĂNĂTĂȚII UMANE ÎN AGRICULTURA IRIGATĂ CU APE UZATE</b> Ungureanu N. <sup>1)</sup> , Vlăduț V. <sup>2)</sup> , Biriș S.- Șt. <sup>1)</sup> <sup>1)</sup> University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; <sup>2)</sup> INMA Bucharest / Romania Tel: 0748283409; E-mail: <a href="mailto:valentin_vladut@yahoo.com">valentin_vladut@yahoo.com</a>	11 <sup>30</sup> -11 <sup>45</sup>
<b>DESIGNING A HYBRID SUPPLY SYSTEM FOR POWERING A RECIRCULATING FISHING POND / PROIECTAREA UNUI SISTEM ENERGETIC HIBRID PENTRU ALIMENTAREA UNUI BAZIN DE PESCUIT CU RECIRCULARE</b> Nenciu F.*, Vocea I. INMA Bucharest / Romania E-mail: <a href="mailto:florin_nenciu2000@yahoo.com">florin_nenciu2000@yahoo.com</a>	11 <sup>45</sup> -12 <sup>00</sup>	<b>GRANULE FERTILISER POROSITY EFFECT ON VOLUMETRIC DISPENSING UNIFORMITY FOR PRECISION FERTILISATION / GRAANUL VĂETISE POORSUSE MÖJU MAHT DOSEERIMISE ÜHTLUSELE TÄPPISVÄETUSEL</b> Virro Indrek <sup>*1)</sup> , Lillerand Tormi <sup>1)</sup> , Soots Kaarel <sup>1)</sup> , Jõgi Erkki <sup>1)</sup> <sup>1)</sup> Estonian University of Life Sciences, Tartu/ Estonia Tel: +372 59081360; E-mail: <a href="mailto:indrek.virro@emu.ee">indrek.virro@emu.ee</a>	11 <sup>45</sup> -12 <sup>00</sup>
<b>12<sup>00</sup>-12<sup>30</sup>: Coffee break</b>			
<b>PRINCIPLES AND METHODS USED FOR FISH FARMING USING POLYCULTURE / PRINCIPII ȘI METODE UTILIZATE PENTRU CREȘTEREA PEȘTELOR ÎN SISTEM DE POLICULTURĂ</b> Nenciu F.*, Vocea I. INMA Bucharest / Romania E-mail: <a href="mailto:florin_nenciu2000@yahoo.com">florin_nenciu2000@yahoo.com</a>	12 <sup>30</sup> -12 <sup>45</sup>	<b>HEC-RAS SIMULATION AND PHYSICAL MODELING OF THE DANUBE RIVER / HEC-RAS СИМУЛАЦИЯ И ФИЗИЧЕСКО МОДЕЛИРАНЕ НА РЕКА ДУНАВ</b> Grancarova E. <sup>1)</sup> , Tadjer J. <sup>2)</sup> <sup>1)</sup> Institute of Soil Science, Agrotechnologies and Plant Protection "Nikola Poushkarov", Sofia / Bulgaria; <sup>2)</sup> HYDROGLOBALCONSULT LTD / Bulgaria E-mail: <a href="mailto:eveha@abv.bg">eveha@abv.bg</a>	12 <sup>30</sup> -12 <sup>45</sup>
<b>OPTIMIZING CONSUMPTION IN AGRICULTURAL MACHINES AND INSTALLATIONS BY USING DIGITAL HYDRAULICS / OPTIMIZAREA CONSUMULUI ÎN MAȘINILE ȘI INSTALAȚIILE AGRICOLE PRIN UTILIZAREA HIDRAULICII DIGITALE</b> Sefu St. <sup>1)</sup> , Tudor B. <sup>1)</sup> , Radoi R. <sup>1)</sup> , Balan I. <sup>1)</sup> , Cristea M. <sup>2)</sup> <sup>1)</sup> INOE 2000 – Subsidiary Hydraulics & Pneumatics Research Institute / Romania; <sup>2)</sup> INMA Bucharest / Romania E-mail: <a href="mailto:sefu.ihp@fluidas.ro">sefu.ihp@fluidas.ro</a>	12 <sup>45</sup> -13 <sup>00</sup>	<b>SOLUTIONS FOR POULTRY INDUSTRY WASTE TREATMENT WITH ENERGY RECOVERY / SOLUȚII PENTRU TRATAREA DEȘEURILOR DIN INDUSTRIA AVICOLA CU RECUPERARE DE ENERGIE</b> Stan C. <sup>1)</sup> , Apostol T. <sup>1)</sup> , Streche C. <sup>1)</sup> , Cocarta D.M. <sup>1)</sup> , Pasztai Z. <sup>1)</sup> , Nenciu F.* <sup>2)</sup> <sup>1)</sup> University Politehnica of Bucharest / Romania; <sup>2)</sup> INMA Bucharest / Romania E-mail: <a href="mailto:florin_nenciu2000@yahoo.com">florin_nenciu2000@yahoo.com</a>	12 <sup>45</sup> -13 <sup>00</sup>
<b>IMPROVING THE ENERGY EFFICIENCY OF WIND TURBINES USING HYDRAULIC DRIVES / ÎMBUNĂȚIREA RANDAMENTELOR ENERGETICE ALE TURBINELOR EOLIENE FOLOSIND ACȚIONĂRILE HIDRAULICE</b> Baciu I. <sup>1)</sup> , Chiriță P. <sup>1)</sup> , Radoi R. <sup>1)</sup> , Drumea P. <sup>1)</sup> , Vocea I. <sup>2)</sup> <sup>1)</sup> INOE 2000 – Subsidiary Hydraulics & Pneumatics Research Institute / Romania; <sup>2)</sup> INMA Bucharest / Romania E-mail: <a href="mailto:baciu.ihp@fluidas.ro">baciu.ihp@fluidas.ro</a>	13 <sup>00</sup> -13 <sup>15</sup>	<b>STUDY OF MODERN SOIL REMEDIATION METHODS AND TECHNOLOGIES / STUDIUL METODELOR ȘI TEHNOLOGIILOR MODERNE DE REMEDIERE A SOLULUI</b> Streche C. <sup>1)</sup> , Cocarta D.M. <sup>1)</sup> , Apostol T. <sup>1)</sup> , Stan C. <sup>1)</sup> , Nenciu F.* <sup>2)</sup> , Feodorov C. <sup>1)</sup> <sup>1)</sup> University Politehnica of Bucharest / Romania; <sup>2)</sup> INMA Bucharest / Romania E-mail: <a href="mailto:florin_nenciu2000@yahoo.com">florin_nenciu2000@yahoo.com</a>	13 <sup>00</sup> -13 <sup>15</sup>
<b>CFD SIMULATION OF AN INNOVATIVE SYSTEM FOR DRYING HEMP SEEDS / SIMULAREA CFD A UNUI SISTEM INOVATIV PENTRU USCAREA SEMINTELOR DE CÂNEPĂ</b> Olan M.* <sup>1)</sup> , Cârlescu P. <sup>2)</sup> , Vlăduț V. <sup>1)</sup> , Păun A. <sup>1)</sup> , Troțuș E. <sup>3)</sup> , Popa D. <sup>3)</sup> , Bunduchi G. <sup>1)</sup> , Zaica Al. <sup>1)</sup> , Chiriță Al.P. <sup>4)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> USAMV Iași / Romania; <sup>3)</sup> SCDA Secuieni / Romania; <sup>4)</sup> INOE 2000 – Subsidiary Hydraulics & Pneumatics Research Institute / Romania Tel: 0763705180; E-mail: <a href="mailto:vibroblac@yahoo.com">vibroblac@yahoo.com</a>	13 <sup>15</sup> -13 <sup>30</sup>	<b>INSTALLATION FOR THE PRODUCTION OF THERMAL ENERGY WITH BIOMASS GASIFICATION / INSTALAȚIE PENTRU PRODUCEREA ENERGIEI TERMICE CU GAZEIFICAREA BIOMASEI</b> Dumitrescu C.* <sup>1)</sup> , Radoi R. <sup>1)</sup> , Pavel I. <sup>1)</sup> , Sovaiala Gh. <sup>1)</sup> , Dulgheru V. <sup>1)</sup> , Gageanu I. <sup>2)</sup> <sup>1)</sup> INOE 2000 – Subsidiary Hydraulics & Pneumatics Research Institute / Romania; <sup>2)</sup> INMA Bucharest / Romania E-mail: <a href="mailto:dumitrescu.ihp@fluidas.ro">dumitrescu.ihp@fluidas.ro</a>	13 <sup>15</sup> -13 <sup>30</sup>
<b>RESEARCH REGARDING THE GRAIN DISCHARGE SYSTEMS DESIGN / CERCETĂRI PRIVIND PROIECTAREA SISTEMELOR DE EVACUARE A CEREALELOR</b> Petre A.* <sup>1)</sup> , Vlăduțoiu L. <sup>1)</sup> , Vanghele N. <sup>1)</sup> , Stanciu M. <sup>1)</sup> , Mihalache B. <sup>1)</sup> , Matache A. <sup>1)</sup> , Grigore I. <sup>1)</sup> , Dumitru D. <sup>1)</sup> <sup>1)</sup> INMA Bucharest / Romania Tel: 0763705180; E-mail: <a href="mailto:ancapetre28@gmail.com">ancapetre28@gmail.com</a>	13 <sup>30</sup> -13 <sup>45</sup>	<b>INFLATION - AN IMPORTANT FACTOR IN THE NATIONAL ECONOMY / INFLAȚIA - FACTOR IMPORTANT ÎN CADRUL ECONOMIEI NAȚIONALE</b> Cruțeru C. USAMV Bucharest, Branch Slatina / Romania E-mail: <a href="mailto:c.cruceru19@yahoo.com">c.cruceru19@yahoo.com</a>	13 <sup>30</sup> -13 <sup>45</sup>
<b>INNOVATIVE MECHANIZATION TECHNOLOGIES FOR THE MAINTENANCE OF VINEYARDS CULTIVATED UNDER THE SPECIFIC CONDITIONS OF WINE-GROWING OR VINEYARD REGIONS IN ROMANIA / TEHNOLOGII INOVATIVE DE MECANIZARE PENTRU ÎNTREȚINEREA PLANTAȚIILOR DE VIȚĂ DE VIE CULTIVATE ÎN CONDIȚIILE SPECIFICE REGIUNILOR VITICOLE SAU PODGORIILOR DIN ROMÂNIA</b> Cristea O-D.* <sup>1)</sup> , Marin E. <sup>1)</sup> , Mateescu M. <sup>1)</sup> , Cristea L-C. <sup>1)</sup> , Ranta A. <sup>2)</sup> , Ayar E-S. <sup>2)</sup> , Tăbăranu G. <sup>3)</sup> , Enache V. <sup>3)</sup> , Sumedrea D- <sup>4)</sup> , Tănase A. <sup>4)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> SCDVV Murfatlar / Romania; <sup>3)</sup> SCDVV Bujoru / Romania; <sup>4)</sup> INCDBH Ștefănești Argeș / Romania Tel: 0761.052.624; E-mail: <a href="mailto:diana10.cristea@gmail.com">diana10.cristea@gmail.com</a>	13 <sup>45</sup> -13 <sup>50</sup>	<b>IN-DEPTH EXPERIMENTAL RESEARCH REGARDING THE VERIFICATION OF SPRAYING MACHINES IN LARGE CULTURE FARMS IN THE WESTERN AREA OF ROMANIA / CERCETARI EXPERIMENTALE APROFUNDATE PRIVIND VERIFICAREA MASINILOR DE STROPIT ÎN FERMELE DE CULTURA MARE DIN ZONA DE VEST A ROMÂNIEI</b> Bungescu S. <sup>1)</sup> , Caba I. <sup>2)</sup> , Duma Copcea A. <sup>1)</sup> , Popa D. <sup>1)</sup> , Salanki R. <sup>3)</sup> , Giurgiu C. <sup>4)</sup> , Melneciuc C. <sup>5)</sup> , Valer P. <sup>6)</sup> <sup>1)</sup> USAMVB "Regele Mihai I al României" from Timisoara / Romania; <sup>2)</sup> INMA Bucharest / Romania; <sup>3)</sup> Agricultural Society "17 Decembrie 1989" / Romania; <sup>4)</sup> Vest Tract / Romania; <sup>5)</sup> Agrocomert Holding SRL / Romania; <sup>6)</sup> SC ELMAS SRL / Romania E-mail: <a href="mailto:sobungi@yahoo.com">sobungi@yahoo.com</a>	13 <sup>45</sup> -13 <sup>50</sup>
<b>CAR BREAKING SYSTEMS. A RETROSPECTIVE RESEARCH / SISTEMUL DE FRĂNARE. STUDIU RETROSPECTIV</b> Cristescu A.C.* <sup>1)</sup> , Filip I. <sup>1)</sup> , Popa L. <sup>2)</sup> , Stefan V. <sup>2)</sup> , Ipate G. <sup>1)</sup> , Voicu G. <sup>1)</sup> <sup>1)</sup> UPB Bucharest / Romania; <sup>2)</sup> INMA Bucharest / Romania E-mail: <a href="mailto:andreea.catalina.cristescu@gmail.com">andreea.catalina.cristescu@gmail.com</a>		<b>THE IMPORTANCE OF MATERIALS USED IN CAR BREAKING SYSTEMS IMPORTANȚA MATERIALELOR UTILIZATE ÎN SISTEMUL DE FRĂNARE AL AUTOVEHICULELOR</b> Cristescu A.C.* <sup>1)</sup> , Filip I. <sup>1)</sup> , Popa L. <sup>2)</sup> , Stefan V. <sup>2)</sup> , Ipate G. <sup>1)</sup> , Voicu G. <sup>1)</sup> <sup>1)</sup> UPB Bucharest / Romania; <sup>2)</sup> INMA Bucharest / Romania E-mail: <a href="mailto:andreea.catalina.cristescu@gmail.com">andreea.catalina.cristescu@gmail.com</a>	

<b>SECTION 3 - FOOD INDUSTRY - ORAL PRESENTATION</b>		<b>SECTION 4 – YOUNG PEOPLE (PhD students School “BSE”) - ORAL PRESENTATION</b>	
<b>Chairman:</b> VOICU Gheorghe / SORICĂ Cristian / VINTILĂ Marian		<b>Chairman:</b> COVALIU-MIERLA Cristina / GĂGEANU Iuliana / ȘTEFAN Mădălina <span style="float: right;">*BSE PhD students School "Biotechnical Systems Engineering"</span>	
<b>CONSIDERATIONS ON THE IMPORTANCE OF THE CONDITIONING OF INDUSTRIAL HEMP SEEDS /</b> <b>CONSIDERATII PRIVIND IMPORTANȚA CONDIȚIONĂRII SEMINTELOR DE CÂNEPĂ INDUSTRIALA</b> Brăcăcescu C.* <sup>1)</sup> , Nedelcu A. <sup>1)</sup> , Cristea O.-D. <sup>1)</sup> , Zaica A. <sup>1)</sup> <sup>1)</sup> INMA Bucharest / Romania; Tel: 0770513926; E-mail: <a href="mailto:carmenbraca@yahoo.com">carmenbraca@yahoo.com</a>	9 <sup>45</sup> -10 <sup>00</sup>	<b>AN ANALYSIS OF THE STATE OF RESEARCH ON THE EFFICIENCY OF THE USE OF WOOL WASTE IN VEGETABLE CULTIVATION /</b> <b>O ANALIZA A STADIULUI CERCETĂRII PRIVIND EFICIENȚA UTILIZĂRII DESEURILOR DIN LANA IN CULTIVAREA LEGUMELOR</b> Milian G.* <sup>1)</sup> , Biris S-St. <sup>2)</sup> , Ungureanu N. <sup>2)</sup> , Ipate G. <sup>2)</sup> , Matache M. <sup>1)</sup> , Vlăduț V. <sup>1)</sup> , Vocea I. <sup>1)</sup> , Găgeanu I. <sup>1)</sup> , Sorică E. <sup>1)</sup> , Nenciu F. <sup>1)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> University "Politehnica" Bucharest, Biotechnical System Department / Romania Tel: 0766453970.; E-mail: <a href="mailto:gabrielmilian44@gmail.com">gabrielmilian44@gmail.com</a>	9 <sup>45</sup> -10 <sup>00</sup>
<b>ASPECTS REGARDING THE PRESERVATION OF FOODS WITH THE HELP OF HIGH PRESSURES /</b> <b>ASPECTE PRIVIND CONSERVAREA PRODUSELOR ALIMENTARE CU AJUTORUL PRESIUNILOR ÎN ALTE</b> Sorică E.* <sup>1)</sup> , Vlăduț V. <sup>1)</sup> , Sorică C. <sup>1)</sup> , Grigore A. I. <sup>1)</sup> , Vladutoiu L. <sup>1)</sup> , Milian G. <sup>1)</sup> <sup>1)</sup> INMA Bucharest / Romania Tel: 0722487889; E-mail: <a href="mailto:postelnicu.elena@yahoo.com">postelnicu.elena@yahoo.com</a>	10 <sup>00</sup> -10 <sup>15</sup>	<b>TECHNOLOGIES FOR PHYTOSANITARY CONTROL IN VITICULTURE /</b> <b>TEHNOLOGII PENTRU CONTROLUL FITOSANITAR ÎN VITICULTURĂ</b> Miron I-C.* <sup>1)</sup> , Stefan V. <sup>1)</sup> , Marin A.M. <sup>1)</sup> , Popa L. <sup>1)</sup> , Olteanu B.G. <sup>1)</sup> <sup>1)</sup> INMA Bucharest / Romania E-mail: <a href="mailto:m.ciprian24@yahoo.com">m.ciprian24@yahoo.com</a>	10 <sup>00</sup> -10 <sup>15</sup>
<b>THE EFFECTS OF INCLUDING MILK THISTLE CAKE OR CORIANDER CAKE IN WETHER'S DIETS ON THEIR RUMINAL METABOLISM /</b> <b>EFFECTELE INCLUDERII TURTELOR DE ARMURARIU SAU TURTELOR DE CORIANDRU ÎN RAȚIA BATALILOR ASUPRA METABOLISMULUI RUMINAL AL ACESTORA</b> Oancea Al. G. *, Dragomir C., Popa S., Cismileanu A. INCDBNA - IBNA Balotesti / Romania Email: <a href="mailto:oancea.alexandra63@yahoo.com">oancea.alexandra63@yahoo.com</a>	10 <sup>15</sup> -10 <sup>30</sup>	<b>METHODS OF EXTRACTING THE ACTIVE PRINCIPLES FROM MEDICINAL AND AROMATIC PLANTS. A REVIEW /</b> <b>METODE DE EXTRAȚIE A PRINCIPIILOR ACTIVE DIN PLANTE MEDICINALE ȘI AROMATICE. UN REVIEW</b> Tăbărașu A-M.* <sup>1)</sup> , Biris S.Șt. <sup>2)</sup> , Găgeanu I. <sup>1)</sup> , Anghelache D. <sup>1)</sup> , Bălțatu C. <sup>1)</sup> , Persu C. <sup>1)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> University Politehnica of Bucharest / Romania Tel: 0730.417.449; E-mail: <a href="mailto:anamariatabarasu22@yahoo.com">anamariatabarasu22@yahoo.com</a>	10 <sup>15</sup> -10 <sup>30</sup>
<b>THE USE OF INTEGRATED CONTROL METHODS TO REDUCE RHOPALOSIPHUM PADI FROM SWEET SORGHUM CROPS /</b> <b>UTILIZAREA METODELOR DE COMBATERE INTEGRATĂ PENTRU DIMINUAREA RHOPALOSIPHUM PADI DIN CULTURA SORGULUI ZAHARAT</b> Nae G.* <sup>1)</sup> , Nenciu F. <sup>1)</sup> , Muscalu A. <sup>1)</sup> , Tudora C. <sup>1)</sup> , Șerbancea F. <sup>2)</sup> Teliban G.C. <sup>3)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> National Institute for Research and Development for Food Bioresources, Bucharest, Romania; <sup>3)</sup> University of Life Sciences Iași, Romania E-mail: <a href="mailto:gabi.nae83@yahoo.com">gabi.nae83@yahoo.com</a>	10 <sup>30</sup> -10 <sup>45</sup>	<b>AGRIDRONES, THE USE OF UAV DRONES AS UAS OPERATIONAL TOOLS IN PRECISION AGRICULTURE. A REVIEW /</b> <b>AGRIDRONE, UTILIZAREA DRONELOR UAV CA INSTRUMENTE OPERAȚIONALE UAS ÎN AGRICULTURA DE PRECIZIE. O SINTEZĂ</b> Constantin (Marin) A-M. <sup>1)</sup> , Caba I-L. <sup>1)</sup> , Vladuț V. <sup>1)</sup> , Matache M. <sup>1)</sup> , Vocea I. <sup>1)</sup> , Bracacescu C. <sup>1)</sup> , Vilcu C.* <sup>1,2)</sup> , Gheorghe G. <sup>1)</sup> , Fătu V. <sup>3)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> UPB - Faculty of Biotechnical Systems Engineering / Romania; <sup>3)</sup> ICDPP Bucharest / Romania Tel: +40757 631 657; +40720 392 341; E-mail: <a href="mailto:marin.anamaria26@gmail.com">marin.anamaria26@gmail.com</a> ; <a href="mailto:constantin.vilcu@inma.ro">constantin.vilcu@inma.ro</a>	10 <sup>30</sup> -10 <sup>45</sup>
<b>THE EVALUATION OF THE TECHNOLOGICAL POTENTIAL OF THE DIFFERENT VINE VARIETIES FOR TABLE GRAPES AND WINE IN THE CONTEXT OF CLIMATE CHANGE IN DEALU MARE VINEYARD /</b> <b>EVALUAREA POTENTIALULUI TEHNOLOGICAL DIFERITELOR SOIURI DE STRUGURI PENTRU MASA SI VIN IN CONTEXTUL SCHIMBARILOR CLIMATICE IN PODGORIA DEALU MARE</b> Pircalabu L.* <sup>1)</sup> , Ion M. <sup>1)</sup> , Tudor G. <sup>1)</sup> , Balanescu I. <sup>1)</sup> <sup>1)</sup> Research and Development Institute for Viticulture and Oenology, Valea Calugareasca, Romania. Tel. 0721847922; E-mail: <a href="mailto:alexandrmalster@gmail.com">alexandrmalster@gmail.com</a>	10 <sup>45</sup> -11 <sup>00</sup>	<b>FINITE ELEMENT ANALYSIS OF THE EQUIPMENT USED FOR MODELING AND COMPARTMENTALIZING WATERING FURROWS WITH OPTIMIZED AND UNOPTIMIZED ROTOR /</b> <b>ANALIZA CU ELEMENT FINIT A ECHIPAMENTULUI PENTRU MODELAT ȘI COMPARTIMENTAT SOLUL ÎN BRAZDE DE UDARE CU ROTOR OPTIMIZAT ȘI NEOPTIMIZAT</b> Constantin A.M. <sup>1)</sup> , Popa L. <sup>1)</sup> , Stefan V. <sup>1)</sup> , Biris S.S. <sup>2)</sup> , Miron I.C. <sup>1)</sup> , Olteanu B. <sup>1,3)</sup> , Tabarasu A.M. <sup>1,3)</sup> , Gheorghe G. <sup>1)</sup> , Grădiliă M. <sup>3)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> University "POLITEHNICA" Bucharest, Faculty of Biotechnical Systems Engineering / Romania; <sup>3)</sup> ICDPP Bucharest / Romania Tel: 0757.631.657; E-mail: <a href="mailto:marin.anamaria26@gmail.com">marin.anamaria26@gmail.com</a>	10 <sup>45</sup> -11 <sup>00</sup>
<b>EVALUATION OF THE WINES WITH LOW ALCOHOLIC CONTENT IN DEALU MARE VINEYARD /</b> <b>EVALUAREA VINURILOR CU CONTINUT ALCOOLIC REDUS IN PODGORIA DEALU MARE</b> Tudor G.* <sup>1)</sup> , Pircalabu L. <sup>1)</sup> <sup>1)</sup> Research and Development Institute for Viticulture and Enology, Valea Calugareasca, Romania. Tel. 0733077856; E-mail: <a href="mailto:andreea_tga@yahoo.es">andreea_tga@yahoo.es</a>	11 <sup>00</sup> -11 <sup>15</sup>	<b>USE OF BAMBOO BIOMASS FOR THE PRODUCTION OF SOLID BIOFUELS /</b> <b>UTILIZAREA BIOMASEI DIN BAMBUS PENTRU PRODUCEREA UNOR BIOCOMBUSTIBILI SOLIZI</b> Vanghele N. A.* <sup>1)</sup> , Muscalu A.T. <sup>1)</sup> Matache A. <sup>1)</sup> , Petre A.A. <sup>1)</sup> , Mihalache D.B. <sup>1)</sup> , Stanciu M.M. <sup>1)</sup> <sup>1)</sup> INMA Bucharest / Romania Tel: 0212693259; E-mail: <a href="mailto:vanghelelr@gmail.com">vanghelelr@gmail.com</a>	11 <sup>00</sup> -11 <sup>15</sup>
<b>MICROBIAL INOCULANTS FOR SWEET POTATO [IPOMOEA BATATAS (L.) LAM.] /</b> <b>INOCULANȚI MICROBIENI PENTRU CARTOFUL DULCE [IPOMOEA BATATAS (L.) LAM].</b> Boiu-Sicuiă O.A.* <sup>1,2)</sup> , Barbu L.D.N. <sup>1,2)</sup> , Persu C. <sup>3)</sup> <sup>1)</sup> Research - Development Institute for Plant Protection, Bucharest / Romania; <sup>2)</sup> University of Agronomic Sciences and Veterinary Medicine of Bucharest, Faculty of Biotechnologies / Romania; <sup>3)</sup> INMA Bucharest / Romania Tel: 004-021-2693231; E-mail: <a href="mailto:sicuiua_oana@yahoo.com">sicuiua_oana@yahoo.com</a>	11 <sup>15</sup> -11 <sup>30</sup>	<b>USING AN EQUIPMENT WITH VIBRATING SIEVES FOR SEPARATION OF GRAPE SEEDS FROM MARC /</b> <b>UTILIZAREA UNUI ECHIPAMENT CU SITE VIBRATOARE PENTRU SEPARAREA SEMINTELOR DE STRUGURI DIN TESCOVINA</b> Bălțatu C.* <sup>1)</sup> , Milea D. <sup>1)</sup> , Păun A., Biris S.Șt. <sup>2)</sup> , Vlăduțoiu L. <sup>1)</sup> , Grigore A.I. <sup>1)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> University Politehnica of Bucharest / Romania Tel: 0760746566.; E-mail: <a href="mailto:carmen.vasilachi@gmail.com">carmen.vasilachi@gmail.com</a>	11 <sup>15</sup> -11 <sup>30</sup>
<b>ASPECTS REGARDING THE REPRESENTATION OF FARINOGRAPHIC CURVE FOR THE APPRECIATION OF WHEAT FLOUR DOUGH BASED BY MATHEMATICAL EQUATIONS /</b> <b>ASPECTE PRIVIND REPREZENTAREA CURBEI FARINOGRAFICE DE APRECIERE A ALUATURILOR PE BAZĂ DE FĂINĂ DE GRÂU PRIN ECUAȚII MATEMATICE</b> Voicu Gh. <sup>1)</sup> , Tudor P.* <sup>1)</sup> , Constantin G. A. <sup>1)</sup> , Stefan E.M. <sup>*1)</sup> , Munteanu M.G. <sup>1)</sup> <sup>1)</sup> University Politehnica of Bucharest /Romania Tel: +40723.850975; +40726043472; E-mail: <a href="mailto:paula.tudor@upb.ro">paula.tudor@upb.ro</a> ; <a href="mailto:madalina.stefan@upb.ro">madalina.stefan@upb.ro</a>	11 <sup>30</sup> -11 <sup>45</sup>	<b>IMPORTANTA UMIDITATI IN EXTRAGAREA ULEIURILOR DIN SEMINTE OLEAGINOASE- A REVIEW /</b> <b>THE IMPORTANCE OF MOISTURE IN EXTRACTING OILS FROM OILSEEDS - A REVIEW</b> Bălțatu C.* <sup>1)</sup> , Mateescu M. <sup>1)</sup> , Anghelache D., Tăbărașu A-M. <sup>1)</sup> <sup>1)</sup> INMA Bucharest / Romania Tel: 0760746566.; E-mail: <a href="mailto:carmen.vasilachi@gmail.com">carmen.vasilachi@gmail.com</a>	11 <sup>30</sup> -11 <sup>45</sup>
<b>EFFECT OF COCONUT FLOUR ON RHEOLOGICAL BEHAVIOR OF WHEAT DOUGH /</b> <b>INFLUENȚA FĂINII DE COCOS ASUPRA COMPORTĂRII REOLOGICE A ALUATULUI</b> Stefan E. M.* <sup>1)</sup> , Munteanu M. <sup>1)</sup> , Constantin G. Al. <sup>1)</sup> , Voicu Gh. <sup>1)</sup> , Mușuroi G. <sup>1)</sup> <sup>1)</sup> University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; Tel: +40726043472; E-mail: <a href="mailto:madalina.stefan@upb.ro">madalina.stefan@upb.ro</a>	11 <sup>45</sup> -12 <sup>00</sup>	<b>MANGANESE IONS REMOVAL FROM WASTEWATER USING TYPHA ANGUSTIFOLIA /</b> <b>ELIMINAREA IONILOR DE MANGAN DIN APELE UZATE UTILIZĂND TYPHA ANGUSTIFOLIA</b> Diaconu L. <sup>1)</sup> , Covaliu-Mierla I.C. <sup>1)</sup> , Coz A.F. <sup>2)</sup> , Paraschiv G. <sup>1)</sup> <sup>1)</sup> University Politehnica of Bucharest / Romania; <sup>2)</sup> Univeristy of Canabria / Spain E-mail: <a href="mailto:cristina_covaliu@yahoo.com">cristina_covaliu@yahoo.com</a>	11 <sup>45</sup> -12 <sup>00</sup>

12<sup>00</sup>-12<sup>30</sup>: Coffee break

<p><b>FEASIBILITY STUDY REGARDING THE PRODUCTION OF THE REFERENCE MATERIAL RM001F- IBA WHEAT FLOUR /</b>  <b>STUDIUL DE FEZABILITATE PRIVIND PRODUCEREA MATERIALULUI DE REFERINȚA RM001F- IBA WHEAT FLOUR</b>                  Șerbancea F.<sup>1)</sup>, Mărculescu O.<sup>1)</sup>, Nenciu F.<sup>2)</sup>, Stanescu A.<sup>3)</sup>  <sup>1)</sup>IBA Bucharest; <sup>2)</sup>INMA Bucharest; <sup>3)</sup>Faculty of Management, Bucharest University of Economic Studies                  Tel: 0720627141; E-mail: floarea.serbancea@bioresurse.ro</p>	<p>12<sup>30</sup>-12<sup>45</sup></p>	<p><b>CAPITALIZATION OF COVID-19 IMPACT ANALYSIS RESULTS IN ROMANIA RELATED TO THE DANUBE S3 CLUSTER PROJECT /</b>  <b>CAPITALIZAREA REZULTATELOR ANALIZEI IMPACTULUI COVID-19 IN ROMANIA AFERENTE PROIECTULUI DANUBE S3 CLUSTER</b>                  Condruz P.<sup>1)</sup>, Gageanu I.<sup>1)</sup>, Cristea O-D.<sup>1)</sup>  <sup>1)</sup>INMA Bucharest / Romania                  Tel: 0753.078.341; E-mail: paula.condruz91@gmail.com</p>	<p>12<sup>30</sup>-12<sup>45</sup></p>
<p><b>MARKETS OF MEANS OF PRODUCTION IN BULGARIAN BEEKEEPING /</b>  <b>ПАЗАРИ НА СРЕДСТВА ЗА ПРОИЗВОДСТВО В БЪЛГАРСКОТО ПЧЕЛАРСТВО</b>                  Lyubenov L. <sup>1)</sup>, Hristakov I. <sup>1)</sup>, Atanasov A. <sup>1)</sup>  <sup>1)</sup>Angel Kanchev University of Ruse/ Bulgaria                  Tel: +359 887693031; E-mail: llyubenov@uni-ruse.bg</p>	<p>12<sup>45</sup>-13<sup>00</sup></p>	<p><b>ABOUT THE MAINTENANCE OF TECHNICAL SYSTEMS - A SHORT REVIEW /</b>  <b>DESPRE MENTENANȚA SISTEMELOR TEHNICE – O SCURTĂ TREGERE ÎN REVISTĂ</b>                  Rosu B.<sup>1)</sup>, Voicu G.h<sup>1)</sup>, Tudor P.<sup>1)</sup>, Lazeanu Al.<sup>1)</sup>  <sup>1)</sup>University Politehnica of Bucharest, Splaiul Independentei 313, RO-60042 Bucharest, Romania                  Tel: +40-723850975; E-mail: paulavoicu85@yahoo.com</p>	<p>12<sup>45</sup>-13<sup>00</sup></p>
<p><b>GLYCEMIC INDEX IN PASTA PRODUCTS – REVIEW /</b>  <b>INDICELE GLICEMIC ÎN PASTELE FĂINOASE – REVIEW</b>                  Susman I.E., Culețu A.*                  National Institute of Research and Development for Food Bioresources, IBA Bucharest, Bucharest / Romania;                  Tel: +40 31 6205833; E-mail: alina.culetu@bioresurse.ro; alinaculetu@gmail.com</p>	<p>13<sup>00</sup>-13<sup>15</sup></p>	<p><b>POLLUTION REDUCTION THROUGH WASTE CO-PROCESSING IN ROMANIAN CEMENT PLANTS /</b>  <b>REDUCEREA POLUĂRII PRIN CO-PROCESAREA DEȘURILOR ÎN FABRICILE DE CIMENT DIN ROMÂNIA</b>                  Ciobanu C.<sup>1,2)</sup>, Voicu Gh.<sup>1)</sup>, Istrate I.A.<sup>1)</sup>, Tudor P.<sup>1)</sup>  <sup>1)</sup>University Politehnica of Bucharest, Splaiul Independentei 313, RO-60042 Bucharest/ Romania  <sup>2)</sup>Ceprocim SA, Strada Preciziei 6, Ro-062203, 010164, Bucharest / Romania                  Tel.: +40-723542609, E-mail: ia_istrate@yahoo.com ; Tel: +40-723850975, E-mail: paulavoicu85@yahoo.com;</p>	<p>13<sup>00</sup>-13<sup>15</sup></p>
<p><b>THE OPPORTUNITY OF USING VEGETABLE POWDERS AS AN ALTERNATIVE FOR FOOD PRODUCTS COLOURING /</b>  <b>OPORTUNITATEA UTILIZĂRII PUBERILOR VEGETALE CA ALTERNATIVĂ PENTRU COLORANȚII ALIMENTARI</b>                  Bădăru C.L.<sup>1)</sup>, Boeriu A.E.<sup>1)</sup>  <sup>1)</sup>Transilvania University of Brașov/ Romania                  Tel: 0040740054525; E-mail: adriana.boeriu@unitbv.ro</p>	<p>13<sup>15</sup>-13<sup>30</sup></p>	<p><b>ASPECTS REGARDING THE TECHNOLOGICAL MANUFACTURING PROCESS OF MATURED CHEESES /</b>  <b>ASPECTE PRIVIND PROCESUL TEHNOLOGIC DE FABRICAȚIE AL BRÂNZETURILOR MATURE</b>                  Pana G.F.<sup>1)</sup>, Voicu Gh.<sup>1)</sup>  <sup>1)</sup>University Politehnica of Bucharest – Faculty of Biotechnical Systems Engineering, Bucharest / Romania                  Tel: +40754 543 565; +40724 715 585; E-mail: pana_gratiela@yahoo.com; ghvoicu_2005@yahoo.com</p>	<p>13<sup>15</sup>-13<sup>30</sup></p>
<p><b>APPLICATION OF NEW METHODOLOGY FOR CONTINUOUS IMPROVEMENT IN BREAD MAKING: A CASE STUDY IN ROMANIA /</b>  <b>APLICAREA UNEI NOI METODE PENTRU ÎMBUNĂȚĂȚIREA CONTINUĂ A PROCESULOR DIN PANIFICAȚIE: STUDIU DE CAZ APLICAT ÎN ROMÂNIA</b>                  Boeriu A.E.<sup>1)</sup>, Canja C.M.<sup>1)</sup>  <sup>1)</sup>Transilvania University of Brașov/ Romania;                  Tel: 0040723246331; E-mail: canja.c@unitbv.ro</p>	<p>13<sup>30</sup>-13<sup>45</sup></p>	<p><b>RESEARCH ON INCREASING THE PERFORMANCE OF COMBINE HARVESTERS BY DEVELOPING AND IMPLEMENTING INTELLIGENT PARAMETER ADJUSTMENT SYSTEMS /</b>  <b>CERCETĂRI PRIVIND CREȘTEREA PERFORMANȚELOR COMBINELOR DE RECOLTAT CEREALE PRIN DEZVOLTAREA ȘI IMPLEMENTAREA UNOR SISTEME INTELIGENTE DE REGLARE A PARAMETRILOR</b>                  Marin F.<sup>1)</sup>, Biriș S.Șt. <sup>1)</sup>  <sup>1)</sup>Polytechnica University of Bucharest, Faculty of Biotechnical Systems Engineering / Romania;                  Tel: 0725114407; E-mail: florin.marin@agroconcept.ro</p>	<p>13<sup>30</sup>-13<sup>45</sup></p>
<p><b>ARIFFICIAL INTELIGENCE FROM THE PERSPECTIVE OF THE LEGAL SYSTEM /</b>  <b>INTELIGENȚA ARTIFICIALĂ DIN PERSPECTIVA SISTEMULUI JURIDIC</b>                  Dumitru D.N. <sup>1)</sup>, Curuia N. <sup>2)</sup>, Stoian M.A. <sup>2)</sup>, Tabarasu A.M. <sup>1)</sup>  <sup>1)</sup>INMA Bucharest / Romania  <sup>2)</sup>General Police Directorate of Bucharest                  Tel:0752038668; E-mail: dimitrudragos.nicolae@gmail.com</p>	<p>13<sup>45</sup>-14<sup>00</sup></p>	<p><b>PRINCIPLES AND METHODS USED FOR CLEANING / SORTING AGRICULTURAL SEEDS USING CYLINDRICAL SIEVES /</b>  <b>PRINCIPII ȘI METODE DE CURĂȚIRE / SORTARE A SEMINȚELOR UTILIZAND SITE CILINDRICE</b>                  Mircea C.*<sup>1)</sup>, Nenciu F. <sup>1)</sup>, Covaliu C. <sup>2)</sup>, Voicu Gh. <sup>2)</sup>  <sup>1)</sup>INMA Bucharest / Romania; <sup>2)</sup>University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania;                  Tel: 0766420952; E-mail: costinmircea@yahoo.com</p>	<p>13<sup>45</sup>-14<sup>00</sup></p>
<p><b>AERATION SYSTEMS USED FOR THE OPERATION IN OPTIMAL PARAMETERS OF FISHING PONDS /</b>  <b>SISTEME DE ARERARE UTILIZATE PENTRU FUNCTIONAREA IN CONDITII OPTIME A BAZINELOR PISCICOLE</b>                  Stanciu M.M. *, Nenciu F., Petre A.A., Vanghele N.A., Matache A.                  INMA Bucharest / Romania                  Tel: 0212693259; E-mail: stanciu.madalina95@gmail.com</p>	<p>14<sup>00</sup>-14<sup>15</sup></p>	<p><b>ASPECTS REGARDING THE RAPID DETERMINATION OF THE OPTIMAL DOSE OF ACTIVE SUBSTANCE INTENDED FOR PLANTS PROTECTION AND NUTRITION IN SEED TREATMENT PROCESS /</b>  <b>ASPECTE PRIVIND DETERMINARE RAPIDĂ A DOZEI OPTIME DE SUBSTANȚĂ ACTIVĂ DESTINATĂ PROTECȚIEI ȘI NUTRIȚIEI PLANTELOR ÎN PROCESUL DE TRATARE A SEMINȚELOR</b>                  Fătu V.<sup>1,2)</sup>, Voicu Gh.<sup>2)</sup>, Constantin A-M.<sup>3)</sup>  <sup>1)</sup>Research Development Institute for Plant Protection Bucharest / Romania; <sup>2)</sup>Politehnica University of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; <sup>3)</sup>INMA Bucharest / Romania                  Tel: 0729263874; E-mail: fatu_viorel@yahoo.com</p>	<p>14<sup>00</sup>-14<sup>15</sup></p>
<p><b>CONSIDERATIONS REGARDING FISH FARMING USING POLY-CULTURE SYSTEM /</b>  <b>CONSIDERAȚII PRIVIND CREȘTEREA PESTILOR IN SISTEM DE POLICULTURĂ</b>                  Stanciu M.M.* , Nenciu F.                  INMA Bucharest / Romania                  Tel: 0212693259; E-mail: stanciu.madalina95@gmail.com</p>	<p>14<sup>15</sup>-14<sup>30</sup></p>	<p><b>ASPECTS REGARDING THE TECHNOLOGICAL PROCESS OF CARTON WASTE Baling /</b>  <b>ASPECTE PRIVIND PROCESUL TEHNOLOGIC DE BALOTARE A DEȘURILOR DIN CARTON</b>                  Lazea M.<sup>1)</sup>, Voicu Gh.<sup>1)</sup>, Constantin G. Al.<sup>1)</sup>, Tudor P.<sup>1)</sup>  <sup>1)</sup>Polytechnic University of Bucharest, Faculty of Biotechnical Systems Engineering / Romania;                  Tel: +40727651064; E-mail: gabriel_alex99@yahoo.com, Tel: +40723850975; E-mail: paulavoicu85@yahoo.com</p>	<p>14<sup>15</sup>-14<sup>30</sup></p>
<p><b>CHEMICAL WEED CONTROL ON JERUSALEM ARTICHOKE CROP /</b>  <b>COMBATEREA CHIMICĂ A BURUIENILOR LA CULTURA DE TOPINAMBUR</b>                  Matei Gh.<sup>1)</sup>, Paraschiv M.<sup>1)</sup>, Vlăduț V.<sup>2)</sup>, Pânzaru R. L.<sup>1)</sup>, Popa D.<sup>3)</sup>  <sup>1)</sup>University of Craiova, Faculty of Agronomy / Romania; <sup>2)</sup>INMA Bucharest / Romania; <sup>3)</sup>ARDS Secuieni / Romania                  E-mail: dy.hemp420@gmail.com</p>	<p>14<sup>30</sup>-14<sup>45</sup></p>	<p><b>SIMULATING CARBON DYNAMICS IN A WARM TEMPERATE MOIST FOREST UNDER A BUSINESS-AS-USUAL SCENARIO – CASE STUDY /</b>  <b>SIMULAREA DINAMICII CARBONULUI ÎNTR-O PĂDURE CU CLIMAT CONTINENTAL, ÎN CADRUL UNUI SCENARIU DE GESTIONARE PE BAZA PLANULUI MANAGEMENT - STUDIU DE CAZ</b>                  Bara N.<sup>1)</sup>, Deák G.<sup>1)</sup>, Laslo L.<sup>1)</sup>, Matei M.<sup>1)</sup>, Boboc M.<sup>1)</sup>, Covaliu C.<sup>2)</sup>  <sup>1)</sup>National Institute for Research and Development in Environmental Protection – INCDPM/Romania;  <sup>2)</sup>POLITEHNICA University from Bucharest/Romania                  Tel: +40 (0)21 305 26 00; E-mail: dkrcontrol@yahoo.com</p>	<p>14<sup>30</sup>-14<sup>45</sup></p>

<b>SECTION 1 - POWER AND MACHINERY - POSTER PRESENTATION</b> <b>Chairman:</b> MAICAN Edmond / MATACHE Mihai / MURARU Vergil	<b>SECTION 2 - ECOLOGY &amp; ENVIRONMENT - POSTER PRESENTATION</b> <b>Chairman:</b> MATEI Gheorghe / NALAVADE Parish / VOICEA Iulian
<b>INNOVATIVE MECHANIZATION TECHNOLOGY FOR THE MAINTENANCE OF VINE PLANTATIONS / TEHNOLOGIE INOVATIVĂ DE MECANIZARE PENTRU ÎNTREȚINEREA PLANTAȚILOR DE VIȚĂ DE VIE</b> Marin E. <sup>1)</sup> , Manea D. <sup>1)</sup> , Ciupercă R. <sup>1)</sup> , Popa L. <sup>1)</sup> , Zaica A. <sup>1)</sup> , Mateescu M. <sup>1)</sup> , Gheorghe G-V. <sup>1)</sup> , Baltatu C. <sup>1)</sup> , Dumitrașcu A. <sup>1)</sup> , Ranta A. Ayar E-S. <sup>2)</sup> , Tăbăranu G. <sup>3)</sup> , Enache V. <sup>3)</sup> , Sumedrea D-I. <sup>4)</sup> , Tănase A. <sup>4)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> SCDVV Murfatlar / Romania; <sup>3)</sup> SCDVV Bujoru / Romania <sup>4)</sup> INCBDBH Ștefănești Argeș / Romania Tel: 0749176922; E-mail: <a href="mailto:marin_43eu@yahoo.com">marin_43eu@yahoo.com</a>	<b>RESEARCHES REGARDING CHARACTERIZATION OF GRANULATED ORGANO-MINERAL FERTILIZERS BASED ON BIOSOLIDS / CERCETĂRI ÎN VEDEREA CARACTERIZĂRII ÎNGRĂȘĂMINTELOR ORGANO-MINERALE GRANULARE PE BAZA DE BIOSOLIDE</b> Nagy E. M. <sup>1)</sup> , Cioica N. <sup>1)</sup> , Mihalache M.A. <sup>1)</sup> , Fehete-Tutunaru L. <sup>2)</sup> <sup>1)</sup> INMA Bucharest, -Branch of Cluj Napoca / Romania <sup>2)</sup> Technical University of Cluj Napoca, Faculty of Automotive, Mechatronics and Mechanical Engineering / Romania E-mail: <a href="mailto:nagy_m2002@yahoo.co.uk">nagy_m2002@yahoo.co.uk</a>
<b>TECHNOLOGIES FOR MANUFACTURING BERRIES NATURAL JUICES / TEHNOLOGII DE FABRICARE A SUȚURILOR NATURALE DIN FRUCTE DE PĂDURE</b> Muscalu A. <sup>1)</sup> , Tudora C. <sup>1)</sup> , Sorică C. <sup>1)</sup> , Cârdei P. <sup>1)</sup> , Ciupercă R. <sup>1)</sup> , Anghelache D. <sup>1)</sup> , Mirzan O. <sup>2)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> SCDA Secuieni / Romania Tel: 0726234242; E-mail: <a href="mailto:amuscalis@yahoo.com">amuscalis@yahoo.com</a>	<b>MODEL OF LIQUID FLOW IN A LOW-TEMPERATURE HEAT EXCHANGER / MODEL PRZEPLŹYWU CIECZY W NISKOTEMPERATUROWYM WYMIENNIKU CIEPŁA</b> Joński M., Ekielski A.*, Świętochowski A. Warsaw University of Life Sciences, Institute of Mechanical Engineering, Warsaw / Poland, E-mail: <a href="mailto:adam_ekielski@sqgw.edu.pl">adam_ekielski@sqgw.edu.pl</a>
<b>FISH BREEDING SYSTEMS / SISTEME DE CREȘTERE A SPECIILOR PISCICOLE</b> Neagoe M. <sup>1)</sup> , Voicea I. <sup>1)</sup> , Dumitru D. <sup>2)</sup> , Gageanu I. <sup>1)</sup> , Nenciu F. <sup>1)</sup> Matei M. <sup>2)</sup> , Boboc M. <sup>2)</sup> , Moga C.I. <sup>3)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> INCDPM Bucharest / Romania; <sup>3)</sup> SC DFR SYSTEMS SRL Bucharest / Romania Tel: +40-728-249.572; E-mail: <a href="mailto:mikyscorpio@yahoo.com">mikyscorpio@yahoo.com</a>	<b>MOBILE SYSTEM FOR ELECTRICITY PRODUCTION FROM ALTERNATIVE SOURCES (SOLAR + WIND) / SISTEM MOBIL PENTRU PRODUCȚIE DE ENERGIE ELECTRICĂ DIN SURSE ALTERNATIVE (SOLAR + EOLIAN)</b> Cristea L-C. <sup>1)</sup> , Mateescu M. <sup>1)</sup> , Preda D. <sup>2)</sup> , Duran B. <sup>2)</sup> , Cristea O-D. <sup>1)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> S.C. ROLIX IMPEX SERIES SRL / Romania Tel:0751.526.109; E-mail: <a href="mailto:larisacristeaclc@gmail.com">larisacristeaclc@gmail.com</a>
<b>MODERN TECHNOLOGIES FOR ESTABLISHING ORCHARDS WITHIN FAMILY FRUIT FARMS / TEHNOLOGII MODERNE DE ÎNFIINȚAT PLANTAȚII POMICOLE ÎN CADRUL FERMELOR POMICOLE FAMILIALE</b> Dumitrașcu A., Stroescu Gh., Bălțatu C., Gheorghe G. INMA Bucharest / Romania E-mail: <a href="mailto:a.dumi@yahoo.com">a.dumi@yahoo.com</a>	<b>INNOVATIVE SYSTEM FOR RECOVERY THE MOISTURE FROM AIR FOR IRRIGATION OF CROPS FROM A VEGETABLE GREENHOUSE / SISTEM INOVATIV DE VALORIFICARE A UMIDITĂȚII DIN AER DESTINAT IRIGĂRII CULTURILOR DINTR-UN SOLAR LEGUMICOL</b> Manea D. <sup>1)</sup> , Marin E. <sup>1)</sup> , Mateescu M. <sup>1)</sup> , Gheorghe G-V. <sup>1)</sup> , Baltatu C. <sup>1)</sup> , Dumitrașcu A. <sup>1)</sup> , Sovaiala Gh. <sup>2)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> INOE 2000 – Subsidiary Hydraulics & Pneumatics Research Institute / Romania Tel: 0724350567; E-mail: <a href="mailto:manea_dragos_05@yahoo.com">manea_dragos_05@yahoo.com</a>
<b>THE INFLUENCE OF MORPHOLOGICAL PARTICULARITIES OF HEMP PLANTS ON TECHNICAL EQUIPMENT DURING THE HARVESTING PROCESS / INFLUENȚA PARTICULARITĂȚILOR MORFOLOGICE ALE PLANTELOR DE CÂNEPĂ ASUPRA ECHIPAMENTELOR TEHNICE, ÎN PROCESUL DE RECOLTARE</b> Păun A., Stroescu Ghe., Bunduchi G., Olan M., Milea D., Epure M., Zaica A. INMA Bucharest / Romania E-mail: <a href="mailto:ani_paun@yahoo.com">ani_paun@yahoo.com</a>	<b>NEW ECOLOGICAL HEATING SYSTEM OF A GREENHOUSE OF VEGETABLE / SISTEM NOU DE ÎNCĂLZIRE ECOLOGICĂ A UNUI SOLAR LEGUMICOL</b> Mateescu M. <sup>1)</sup> , Marin E. <sup>1)</sup> , Manea D. <sup>1)</sup> , Gheorghe G-V. <sup>1)</sup> , Baltatu C. <sup>1)</sup> , Dumitrașcu A. <sup>1)</sup> , Dulgheru V. <sup>2)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> INOE 2000 – Subsidiary Hydraulics & Pneumatics Research Institute / Romania Tel: 0756880044; E-mail: <a href="mailto:marinelamateescu@yahoo.com">marinelamateescu@yahoo.com</a>
<b>KINEMATIC MODEL OF AN ANTHROPOMORPHIC ROBOTIC ARM / MODELUL CINEMATIC AL UNUI BRAȚ ROBOTIC ANTROPOMORF</b> Dumitru Șt. <sup>1)</sup> , Craifaleanu A. <sup>1)</sup> <sup>1)</sup> Dept. of Mechanics, University Politehnica of Bucharest / Romania Tel: +40744281933; E-mail: <a href="mailto:stefan.dumitru2605@upb.ro">stefan.dumitru2605@upb.ro</a>	<b>ECOLOGICAL METHOD FOR PESTS CONTROL IN VITICULTURE / METODA ECOLOGICĂ DE COMBATERE A DĂUNĂTORILOR ÎN VITICULTURĂ</b> Ștefan V. <sup>1)</sup> , Artem V. <sup>2)</sup> , Popa L. <sup>1)</sup> , Marin A.M. <sup>1)</sup> , Miron I.C. <sup>1)</sup> , Olteanu B. <sup>1)</sup> , Zaica A. <sup>1)</sup> , Lixandru M. <sup>3)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> SCDV Murfatlar / Romania; <sup>3)</sup> Reseach Institute for Plant Protection / Romania Tel: 0722245443; E-mail: <a href="mailto:valle_val@yahoo.com">valle_val@yahoo.com</a>
<b>ASPECTS ON THE MATHEMATICAL MODELING OF THE PROCESS OF SEPARATING SEED FROM THE EARS DEPENDING ON THE LENGTH OF THE AXIAL FLOW THRESHING APPARATUS / ASPECTE PRIVIND MODELAREA MATEMATICĂ A PROCESULUI DE SEPARARE A SEMINTELOR DIN SPICE, FUNCȚIE DE LUNGIMEA APARATULUI DE TREIER CU FLUX AXIAL</b> Vlăduț V. <sup>1)</sup> , Biris S.Șt. <sup>2)</sup> , Gageanu I. <sup>1)</sup> , Cujbescu D. <sup>1)</sup> , Nenciu F. <sup>1)</sup> , Matei Gh. <sup>3)</sup> , Popa D. <sup>4)</sup> , Dutu M.F. <sup>2)</sup> , Ungureanu N. <sup>2)</sup> , Żelaziński T. <sup>5)</sup> , Atansaov At. <sup>6)</sup> , Dumitru C. <sup>1)</sup> , Cristea O. <sup>1)</sup> , Constantin A-M. <sup>1)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> University „Politehnica” Bucharest / Romania; <sup>3)</sup> University from Craiova / Romania; <sup>4)</sup> ARDS Secuieni / Romania; <sup>5)</sup> Warsaw University of Life Sciences / Poland; <sup>6)</sup> University of Rouse / Bulgaria Email: <a href="mailto:valentin_vladut@yahoo.com">valentin_vladut@yahoo.com</a>	<b>METHODS FOR INTELLIGENT ASSESSMENT OF PLANT DEVELOPMENT BY AUTOMATIC MEASUREMENT OF THEIR HEIGHT / METODE PENTRU EVALUAREA INTELIGENTĂ A DEZVOLTĂRII PLANTELOR PRIN MĂSURAREA AUTOMATĂ A ÎNĂLȚIMII ACESTORA</b> Cujbescu D. <sup>1)</sup> , Persu C. <sup>1)</sup> , Găgeanu I. <sup>1)</sup> , Murgescu I. <sup>2)</sup> , Anghelache D. <sup>1)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> ICPE-CA Bucharest, Laboratory of Renewable Energy Sources / Romania Tel: 0212693255; E-mail: <a href="mailto:persu@inma.ro">persu@inma.ro</a>
<b>PROOF OF CONCEPT OF AN AUTOMATED SYSTEM USED FOR PRE-COMPOSTING ORGANIC WASTE / CONCEPT AL UNUI SISTEM AUTOMATIZAT UTILIZAT PENTRU PRECOMPOSTAREA DEȘEURILOR ORGANICE</b> Vlad I. <sup>1)</sup> , Viad H. <sup>1)</sup> , Gabur A. <sup>1)</sup> , Nenciu F. <sup>2)</sup> <sup>1)</sup> University Politehnica of Bucharest / Romania; <sup>2)</sup> INMA Bucharest / Romania E-mail: <a href="mailto:florin_nenciu2000@yahoo.com">florin_nenciu2000@yahoo.com</a>	<b>EXPERIMENTAL RESEARCH ON OBTAINING BIOMASS TABLETS / CERCETĂRI EXPERIMENTALE DE OBTINERE A TABLETELOR DIN BIOMASĂ</b> Găgeanu I.* <sup>1)</sup> , Tabarasu A-M. <sup>1)</sup> , Persu C. <sup>1)</sup> , Cujbescu D. <sup>1)</sup> , Gheorghe G. <sup>1)</sup> , Dumitrescu C. <sup>2)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> INOE 2000 – Subsidiary Hydraulics & Pneumatics Research Institute / Romania E-mail: <a href="mailto:iulia.gageanu@gmail.com">iulia.gageanu@gmail.com</a>
<b>EQUIPMENT AND TECHNOLOGIES USED IN WALNUT PROCESSING / ECHIPAMENTE SI TEHNOLOGII UTILIZATE IN PROCESAREA NUCILOR</b> Dumitru I. <sup>1)</sup> , Nenciu F. <sup>1)</sup> , Vlăduț V. <sup>1)</sup> , Voicea I. <sup>1)</sup> , Oprescu R. <sup>1)</sup> , Teliban G.C. <sup>2)</sup> , Grădiliș M. <sup>3)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> University of Life Sciences Iași, Romania; <sup>3)</sup> ICDPP Bucharest / Romania Tel: 0773.720.468; E-mail: <a href="mailto:dumitru.iulian2016@gmail.com">dumitru.iulian2016@gmail.com</a>	<b>THEORETICAL ASPECTS OF SUSTAINABLE AQUACULTURE / ASPECTE TEORETICE ALE ACVACULTURII DURABILE</b> Voicea I. <sup>1)</sup> , Găgeanu I. <sup>1)</sup> , Matache M. <sup>1)</sup> , Milian G. <sup>1)</sup> , Anghelache D. <sup>1)</sup> , Nenciu F. <sup>1)</sup> , Dumitru C. <sup>1)</sup> , Matache G. <sup>2)</sup> <sup>1)</sup> INMA Bucharest ; <sup>2)</sup> INOE 2000 – Subsidiary Hydraulics & Pneumatics Research Institute / Romania Tel: 0752161780; E-mail: <a href="mailto:voicea_iulian@yahoo.com">voicea_iulian@yahoo.com</a>

**12<sup>00</sup>-12<sup>30</sup>: Coffee break**

<p><b>CONSIDERATIONS REGARDING THE HARVESTING AND PROCESSING OF WALNUTS / CONSIDERATIILE PRIVIND RECOLTAREA SI PROCESAREA NUCILOR</b> Dumitru I., Nenciu F., Valduț V., Voicea I., Opreșcu R., Voicea I., Dumitru C. INMA Bucharest / Romania Tel: 0773.720.468; E-mail: <a href="mailto:dumitru.iulian2016@gmail.com">dumitru.iulian2016@gmail.com</a></p>	<p>12<sup>30</sup>-12<sup>45</sup></p>	<p><b>CHOOSING AND USING HIGH-PERFORMANCE EQUIPMENT TO OBTAIN A QUALITY COMPOST / ALEGEREA SI UTILIZAREA ECHIPAMENTELOR PERFORMANTE PENTRU OBTINEREA UNUI COMPOST DE CALITATE</b> Caba I.L.<sup>1)</sup>, Laza E.A.<sup>1)</sup>, Pavel I.<sup>2)</sup>, Constantin(Marin) A.M.<sup>*1)</sup> <sup>1)</sup>INMA Bucharest / Romania; <sup>2)</sup>INOE 2000 – Subsidiary Hydraulics &amp; Pneumatics Research Institute / Romania E-mail: <a href="mailto:inmatm_caba@yahoo.com">inmatm_caba@yahoo.com</a></p>	<p>12<sup>30</sup>-12<sup>45</sup></p>
<p><b>CONSTRUCTIVE OPTIMIZATION BY THE FINITE ELEMENT ANALYSIS METHOD (FEA) OF THE HEMP HARVESTING EQUIPMENT / OPTIMIZAREA CONSTRUCTIVĂ PRIN METODA DE ANALIZĂ CU ELEMENTE FINITE (FEA) A ECHIPAMENTULUI PENTRU RECOLTAT CÂNEPĂ</b> Bunduchi G.<sup>1)</sup>, Olan M.<sup>1)</sup>, Păun A.<sup>1)</sup>, Vladuț V.<sup>1)</sup>, Zaica Al.<sup>1)</sup>, Panda A.O.<sup>2)</sup> <sup>1)</sup>INMA Bucharest / Romania; <sup>2)</sup>Agricultural Research and Development Station Lovrin, Timis, Romania Email: <a href="mailto:anca_bunduchi@yahoo.com">anca_bunduchi@yahoo.com</a></p>	<p>12<sup>45</sup>-13<sup>00</sup></p>	<p><b>BIOCOMPOSITES FROM RAPESEED MEAL AND FOOD INDUSTRY BY-PRODUCTS: PHYSICO-CHEMICAL PROPERTIES AND PRODUCTION TECHNIQUE / BIOKOMPOZYTY ZE ŚRUTY RZEPAKOWEJ I PRODUKTÓW UBOCZNYCH PRZEMYSŁU SPOŻYWCZEGO: WŁAŚCIWOŚCI FIZYKOCHIMICZNE I TECHNIKA PRODUKCJI</b> Żelaziński T.*, Ekielski A., Skudlarski J. Department of Production Engineering, Institute of Mechanical Engineering, Warsaw University of Life Sciences—SGGW / Poland E-mail: <a href="mailto:tomasz_zelazinski@sggw.edu.pl">tomasz_zelazinski@sggw.edu.pl</a></p>	<p>12<sup>45</sup>-13<sup>00</sup></p>
<p><b>ASPECT ON TESTING THE TECHNICAL EQUIPMENT FOR HARVESTING HEMP STALKS IN SHEAVES / ASPECTE PRIVIND EXPERIMENTAREA ECHIPAMENTULUI TEHNIC PENTRU RECOLTAREA TULPINILOR DE CÂNEPĂ ȘI LEGAREA ÎN SNOPI</b> Nedelcu A.<sup>*1)</sup>, Ciuperca R.<sup>1)</sup>, Popa L.D.<sup>2)</sup>, Mihai M.<sup>1)</sup>, Zaica A.<sup>1)</sup>, Olteanu B.G.<sup>1)</sup> <sup>1)</sup>INMA București / Romania; <sup>2)</sup>SCDA Secuieni / Romania E-mail: <a href="mailto:nedelcuus@yahoo.com">nedelcuus@yahoo.com</a></p>	<p>13<sup>00</sup>-13<sup>15</sup></p>	<p><b>MODELLING OF VOLATILE COMPOUNDS EMISSIONS IN SMALL BOILERS USING HETEROGENEOUS WOOD CHIPS / MODELOWANIE EMISJI ZWIĄZKÓW LOTNYCH W MAŁYCH KOTŁACH WYKORZYSTUJĄCYCH NIEJEDNORODNE ZREBKI DRZEWE</b> Joński M., Ekielski A.*, Świętochowski A., Warsaw University of Life Sciences, Institute of Mechanical Engineering, Warsaw - Poland, E-mail: <a href="mailto:adam_ekielski@sggw.edu.pl">adam_ekielski@sggw.edu.pl</a></p>	<p>13<sup>00</sup>-13<sup>15</sup></p>
<p><b>COMBUSTION TEST EQUIPMENT IN LOW POWER TLUD GASIFIERS / ECHIPAMENT DE TESTARE A ARDERII ÎN GAZOGENELE TIP TLUD DE PUTERE MICA</b> Pavel I.<sup>1)</sup>, Chiriță Al. P.<sup>1)</sup>, Matache G.<sup>1)</sup>, Popescu A.-M.<sup>1)</sup>, Caba I.<sup>2)</sup> <sup>1)</sup>INOE 2000 – Subsidiary Hydraulics &amp; Pneumatics Research Institute / Romania; <sup>2)</sup>INMA Bucharest / Romania E-mail: <a href="mailto:pavel.ihp@fluidas.ro">pavel.ihp@fluidas.ro</a></p>	<p>13<sup>15</sup>-13<sup>30</sup></p>	<p><b>TECHNOLOGIES AND TECHNICAL EQUIPMENT INTENDED FOR OBTAINING GREEN ENERGY / TEHNOLOGII ȘI ECHIPAMENTE TEHNICE DESTINATE OBTINERII DE ENERGIE VERDE</b> Zaica Al.*, Zaica A., Stroescu Ghe., Ștefan V., Anghelache D., Ionescu Al. INMA Bucharest / Romania E-mail: <a href="mailto:zaica_alexandru@yahoo.com">zaica_alexandru@yahoo.com</a></p>	<p>13<sup>15</sup>-13<sup>30</sup></p>
<p><b>SCREW CONVEYOR FOR BIOMASS / TRANSPORTOR CU ȘNEC PENTRU BIOMASĂ</b> Șovaială Gh.<sup>1)</sup>, Matache G.<sup>1)</sup>, Preda D.<sup>1)</sup>, Duran B.<sup>1)</sup>, Manea D.<sup>2)</sup> <sup>1)</sup>Inoe 2000 – Subsidiary Hydraulics &amp; Pneumatics Research Institute / Romania; <sup>2)</sup>INMA Bucharest / Romania E-mail: <a href="mailto:sovaiala.ihp@fluidas.ro">sovaiala.ihp@fluidas.ro</a></p>	<p>13<sup>30</sup>-13<sup>45</sup></p>	<p><b>RECOVERY OF ORGANIC WASTE BY VERMICOMPOSTING / VALORIFICAREA DEȘEURILOR ORGANICE PRIN VERMICOMPOSTARE</b> Măniailă A. E., Rusănescu C.O University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania Tel: +40726130836, E-mail: <a href="mailto:auraelenamanaila@yahoo.co">auraelenamanaila@yahoo.co</a></p>	<p>13<sup>30</sup>-13<sup>45</sup></p>
<p><b>INTELLIGENT DRIVE INSTALLATION FOR BIOMASS CONVEYOR / INSTALAȚIE DE ACȚIONARE INTELIGENTĂ PENTRU TRANSPORTOR DE BIOMASĂ</b> Barbu V.<sup>1)</sup>, Matache G.<sup>1)</sup>, Pavel I.<sup>1)</sup>, Ionel M.<sup>1)</sup>, Olan M.<sup>2)</sup> <sup>1)</sup>INOE 2000 – Subsidiary Hydraulics &amp; Pneumatics Research Institute / Romania; <sup>2)</sup>INMA Bucharest / Romania E-mail: <a href="mailto:barbuvalentin2004@yahoo.com">barbuvalentin2004@yahoo.com</a></p>	<p>13<sup>45</sup>-14<sup>00</sup></p>	<p><b>BEHAVIOR OF ALFALFA (MEDICAGO SATIVA) GENOTYPES AT ARDS SECUIENI IN THE 2020-2021 CONDITIONS / COMPORTAREA UNOR GENOTIPURI DE LUCERNĂ (MEDICAGO SATIVA) LA S.C.D.A. SECUIENI ÎN CONDIȚIILE ANILOR 2020-2021</b> Naie M.<sup>1)</sup>, Mirzan O.<sup>1)</sup>, Popa D.<sup>*1)</sup>, Bărcan M.<sup>1)</sup>, Pintilie A.<sup>1)</sup>, Laza E.<sup>2)</sup> <sup>1)</sup>Agricultural Research and Development Station Secuieni Neamt / Romania; <sup>2)</sup>INMA Bucharest / Romania E-mail: <a href="mailto:dy.hemp420@gmail.com">dy.hemp420@gmail.com</a></p>	<p>13<sup>45</sup>-14<sup>00</sup></p>
<p><b>EVALUATION OF SOME BIOMETRIC CHARACTERISTICS AT DIOECIOUS HEMP, IN THE PEDOCLIMATIC CONDITIONS OF SCDA LOVRIN / EVALUAREA UNOR CARACTERE BIOMETRICE LA CÂNEPA DIOICĂ, ÎN CONDIȚIILE PEDOCLIMATICE DE LA S.C.D.A. LOVRIN</b> Panda A.O.<sup>*1)</sup>, Agapie A.L.<sup>1)</sup>, Buzna C.<sup>1)</sup>, Popa L.D.<sup>2)</sup>, Bunduchi G.<sup>3)</sup> <sup>1)</sup>Agricultural Research and Development Station Lovrin, Timis / Romania <sup>2)</sup>Agricultural Research and Development Station Secuieni Neamt / Romania; <sup>3)</sup>INMA Bucharest / Romania Tel: 0744611422; E-mail: <a href="mailto:anpalu@yahoo.com">anpalu@yahoo.com</a></p>	<p>14<sup>00</sup>-14<sup>15</sup></p>	<p><b>THE TECHNOLOGY OF LIVE BACTERIAL BIOPREPARATIONS: A NEW REVOLUTION IN THE FIELD OF AGRICULTURAL FERTILIZATION / TEHNOLOGIA BIOPREPARATURILOR BACTERIENE VII: O NOUĂ REVOLUȚIE ÎN DOMENIUL FERTILIZĂRII AGRICOLE</b> Toader G.<sup>*2,1)</sup>, Trifan D.<sup>1)</sup>, Enea C.I.<sup>3)</sup>, Lungu E.<sup>1)</sup>, Ghiorghe A.I.<sup>1)</sup>, Ilie L.<sup>2)</sup> <sup>1)</sup>Agricultural Research and Development Station Braila / Romania; <sup>2)</sup>University of Agriculture and Veterinary Medicine Bucharest / Romania; <sup>3)</sup>Agricultural Research and Development Station Suceava / Romania E-mail: <a href="mailto:toadergeorge92@gmail.com">toadergeorge92@gmail.com</a></p>	<p>14<sup>00</sup>-14<sup>15</sup></p>
<p><b>ARTIFICIAL INTELLIGENCE SYSTEMS IN AGRICULTURE: THE AGRODATA PROJECT OF AGRICULTURAL RESEARCH AND DEVELOPMENT STATION FROM BRAILA, ROMANIA / SISTEME DE INTELIGENȚĂ ARTIFICIALĂ ÎN AGRICULTURĂ: PROIECTUL AGRODATA AL STAȚIEI DE CERCETARE-DEZVOLTARE PENTRU AGRICULTURĂ BRAILA</b> Trifan D.<sup>*1)</sup>, Toader G.<sup>2,1)</sup>, Lungu E.<sup>1)</sup>, Ghiorghe A.I.<sup>1)</sup>, Ilie L.<sup>2)</sup> <sup>1)</sup>Agricultural Research and Development Station Braila / Romania <sup>2)</sup>University of Agriculture and Veterinary Medicine Bucharest / Romania E-mail: <a href="mailto:daniela.trifan@scdabraila.ro">daniela.trifan@scdabraila.ro</a></p>	<p>14<sup>15</sup>-14<sup>30</sup></p>	<p><b>CONSIDERATIONS REGARDING THE GENETIC PARTICULARITIES AND BREEDING METHODS AT INDUSTRIAL HEMP (CANNABIS SATIVA L.) / CONSIDERAȚII PRIVIND PARTICULARITĂȚILE GENETICE ȘI METODELE DE AMELIORARE LA CÂNEPA INDUSTRIALĂ (CANNABIS SATIVA L.)</b> Popa L.D.<sup>1)</sup>, Naie M.<sup>1)</sup>, Teliban G.C.<sup>2)</sup>, Panda A.O.<sup>3)</sup>, Matei Gh.<sup>4,5)</sup>, Zaica A.<sup>5)</sup>, Mirzan O.<sup>1)</sup>, Meluca C.<sup>6)</sup> <sup>1)</sup>Agricultural Research and Development Station Secuieni Neamt / Romania; <sup>2)</sup>University of Life Sciences Iasi / Romania <sup>3)</sup>Agricultural Research and Development Station Lovrin, Timis / Romania; <sup>4)</sup>University of Craiova / Romania <sup>5)</sup>INMA Bucharest / Romania; <sup>6)</sup>Agricultural Research and Development Station Teleorman / Romania E-mail: <a href="mailto:matei.gheorghe@gmail.com">matei.gheorghe@gmail.com</a></p>	<p>14<sup>15</sup>-14<sup>30</sup></p>
<p><b>TECHNICAL EQUIPMENTS FOR THE MAINTENANCE OF FLOATING FISH NURSERIES / ECHIPAMENTE TEHNICE PENTRU ÎNTREȚINEREA VIVIERELOR FLOTABILE DIN PISCICULTURĂ</b> Popa L., Ștefan V., Constantin A. M., Miron C. INMA Bucharest / Romania E-mail: <a href="mailto:lucretia_popa@yahoo.com">lucretia_popa@yahoo.com</a></p>	<p>14<sup>30</sup>-14<sup>45</sup></p>	<p><b>ECOLOGICAL PRODUCT DESIGN / PROIECTAREA ECOLOGICĂ A PRODUSELOR</b> Dulgheru V.<sup>*1)</sup>, Dumitrescu C.<sup>1)</sup>, Mateescu M.<sup>2)</sup> <sup>1)</sup>INOE 2000 – Subsidiary Hydraulics &amp; Pneumatics Research Institute / Romania; <sup>2)</sup>INMA Bucharest / Romania E-mail: <a href="mailto:valeriu.dulgheru@bpm.utm.md">valeriu.dulgheru@bpm.utm.md</a></p>	<p>14<sup>30</sup>-14<sup>45</sup></p>
<p><b>THE EVOLUTION OF UNEMPLOYMENT IN THE PERIOD 2016 -2021 IN OLT COUNTY / EVOLUTIA SOMAJULUI IN PERIOADA 2016 -2021 IN JUDEȚUL OLT</b> Cruțeru C. USAMV Bucharest, Branch Slatina / Romania E-mail: <a href="mailto:c.cruțeru19@yahoo.com">c.cruțeru19@yahoo.com</a></p>	<p>14<sup>45</sup>-15<sup>00</sup></p>	<p><b>RESEARCH REGARDING THE TECHNOLOGICAL SEQUENCES INFLUENCE ON THE PRODUCTIVITY OF LOPHANTUS ANISATUS (LOFANTUS) SPECIE ÎN THE CENTRAL MOLDOVA PEDOCLIMATIC CONDITIONS / CERCETĂRI PRIVIND INFLUENȚA UNOR SECVENȚE TEHNOLOGICE ASUPRA PRODUCTIVITĂȚII LA SPECIA LOPHANTUS ANISATUS (LOFANTUS) ÎN CONDIȚIILE PEDOCLIMATICE DIN CENTRUL MOLDOVEI</b> Mirzan O.<sup>1)</sup>, Naie M.<sup>1)</sup>, Muscalu A.<sup>2)</sup>, Popa D.<sup>*1)</sup>, Bărcan M.<sup>1)</sup> <sup>1)</sup>Agricultural Research and Development Station Secuieni Neamt / Romania; <sup>2)</sup>INMA Bucharest / Romania E-mail: <a href="mailto:dy.hemp420@gmail.com">dy.hemp420@gmail.com</a></p>	<p>14<sup>45</sup>-15<sup>00</sup></p>
<p><b>EXPERIMENTAL RESEARCH WITH PLANTS SOWING TECHNICAL EQUIPMENT / CERCETĂRI EXPERIMENTALE CU ECHIPAMENTUL DE SEMĂNAT PLANTE TEHNICE</b> Zaica A.<sup>*1)</sup>, Ciuperca R.<sup>1)</sup>, Nedelcu A.<sup>1)</sup>, Zaica Al.<sup>1)</sup>, Popa L.<sup>1)</sup>, Ștefan V.<sup>1)</sup>, Marin A.M.<sup>1)</sup>, Miron C.<sup>1)</sup>, Olteanu B.<sup>1)</sup>, Popa L.D.<sup>2)</sup> <sup>1)</sup>INMA Bucharest / Romania; <sup>2)</sup>S.C.D.A. Secuieni / Romania E-mail: <a href="mailto:acanpeanu@yahoo.com">acanpeanu@yahoo.com</a></p>	<p>15<sup>00</sup>-15<sup>15</sup></p>	<p><b>RESEARCH REGARDING THE TECHNOLOGICAL SEQUENCES INFLUENCE ON THE PRODUCTIVITY OF LOPHANTUS ANISATUS (LOFANTUS) SPECIE ÎN THE CENTRAL MOLDOVA PEDOCLIMATIC CONDITIONS / CERCETĂRI PRIVIND INFLUENȚA UNOR SECVENȚE TEHNOLOGICE ASUPRA PRODUCTIVITĂȚII LA SPECIA LOPHANTUS ANISATUS (LOFANTUS) ÎN CONDIȚIILE PEDOCLIMATICE DIN CENTRUL MOLDOVEI</b> Mirzan O.<sup>1)</sup>, Naie M.<sup>1)</sup>, Muscalu A.<sup>2)</sup>, Popa D.<sup>*1)</sup>, Bărcan M.<sup>1)</sup> <sup>1)</sup>Agricultural Research and Development Station Secuieni Neamt / Romania; <sup>2)</sup>INMA Bucharest / Romania E-mail: <a href="mailto:dy.hemp420@gmail.com">dy.hemp420@gmail.com</a></p>	<p>14<sup>45</sup>-15<sup>00</sup></p>

<b>SECTION 3 - FOOD INDUSTRY - POSTER PRESENTATION</b>		<b>SECTION 4 – YOUNG PEOPLE (PhD students School “BSE”) - POSTER PRESENTATION</b>	
<b>Chairman:</b> BELC Nastasia / IPATE George / CATANĂ Luminița		<b>Chairman:</b> DUMITRESCU Cătălin / POPA Diana / CONSTANTIN Gabriel	
<b>PHYSICO-CHEMICAL, ANTIMICROBIAL AND ANTIOXIDANT PROPERTIES OF CHITOSAN/TEMPO BIOCUMPOSITE PACKAGING FILMS / PROPRIETĂȚILE FIZICO-CHIMICE, ANTIMICROBIENE ȘI ANTIOXIDANTE ALE FILMELOR DE AMBALARE A BIOCUMPOZITULUI CHITOSAN/TEMPO</b> Olteanu B.-G., Miron I.-C., Constantin (Marin) A.-M.* <sup>1</sup> INMA Bucharest / Romania; E-mail: <a href="mailto:boboolte@yahoo.com">boboolte@yahoo.com</a>		9 <sup>45</sup> -10 <sup>00</sup>	<b>PROGRAMS FOR IMPROVING THE EFFICIENCY OF AGRI-FOOD PNEUMATIC SYSTEMS / PROGRAME PENTRU ÎMBUNĂTĂȚIREA EFICIENȚEI SISTEMELOR PNEUMATICE AGRO-ALIMENTARE</b> Tăbărașu A.-M.* <sup>1</sup> , Biriș S.Șt. <sup>2</sup> , Găgeanu I. <sup>1</sup> , Anghelache D. <sup>1</sup> Dumitru D. <sup>1</sup> , Constantin A.-M. <sup>1</sup> , Gheorghe G. <sup>1</sup> <sup>1</sup> INMA Bucharest / Romania; <sup>2</sup> University Politehnica of Bucharest / Romania Tel:0730.417.449; E-mail: <a href="mailto:anamariatabarasu22@yahoo.com">anamariatabarasu22@yahoo.com</a>
<b>HEMP CULTIVATION IN ROMANIA. PRESENT AND FUTURE / CULTURA DE CÂNEPĂ ÎN ROMÂNIA. PREZENT ȘI VIITOR</b> Stroescu Ghe., Păun A., Bunduchi G., Dumitrașcu A., Olan M., Epure M., Dumitru I., Cristea M. INMA Bucharest / Romania E-mail: <a href="mailto:gigistroescu62@gmail.com">gigistroescu62@gmail.com</a>		10 <sup>00</sup> -10 <sup>15</sup>	<b>ASPECTS REGARDING IDENTITY MANAGEMENT USING BLOCKCHAIN / ASPECTE PRIVIND MANAGEMENTUL IDENTITĂȚII FOLOSIND BLOCKCHAIN</b> Brăcăcescu R.V.* <sup>1</sup> , Brăcăcescu C. <sup>2</sup> , Cristea O.D. <sup>2</sup> <sup>1</sup> Politehnica University Bucharest / Romania; <sup>2</sup> INMA Bucharest / Romania Tel: 0770513926.; E-mail: <a href="mailto:carmenbraca@yahoo.com">carmenbraca@yahoo.com</a>
<b>EXPERIMENTAL MODEL OF WET SATURATED STEAM DISTILLATION EQUIPMENT (FOR OBTAINING VOLATILE OILS) / MODEL EXPERIMENTAL DE ECHIPAMENT DE DISTILAT CU ABUR SATURAT UMED SUB PRESIUNE (PENTRU OBTINEREA ULEIURILOR VOLATILE)</b> Voicea I.* <sup>1</sup> , Neagoe M. <sup>1</sup> , Găgeanu I. <sup>1</sup> , Vladut V. <sup>1</sup> , Milian G. <sup>1</sup> , Dragos D <sup>1</sup> , Petre A. <sup>1</sup> , Fatu V. <sup>2</sup> , Anghelache D. <sup>1</sup> , Nenciu F. <sup>1</sup> <sup>1</sup> INMA Bucharest / Romania; <sup>2</sup> INCDP Bucharest /Romania Tel: 0752161780; E-mail: <a href="mailto:voicea_iulian@yahoo.com">voicea_iulian@yahoo.com</a>		10 <sup>15</sup> -10 <sup>30</sup>	<b>FIELD CROPS PROTECTION SYSTEM USING AN AIRCRAFT WITHOUT A PILOT (AGRICULTURAL DRONE) / SISTEM PENTRU PROTEȚIA CULTURILOR DE CÂMP CARE UTILIZEAZĂ O AERONAVA FĂRĂ PILOT (DRONĂ AGRICOLĂ)</b> Gheorghe G.-V.* <sup>1</sup> , Marin E., Manea D., Mateescu M., Baltatu C., Dumitrașcu A., Constantin (Marin) A.M., Tabarasu A.M. INMA Bucharest / Romania; Tel: 0731583104; E-mail: <a href="mailto:gabrielvalentinghe@yahoo.com">gabrielvalentinghe@yahoo.com</a>
<b>TECHNOLOGIES AND TECHNICAL EQUIPMENT USED IN THE PROCESSES OF CONDITIONING SEA BUCKTHORN FRUITS / TEHNOLOGII ȘI ECHIPAMENTE TEHNICE UTILIZATE ÎN PROCESELE DE CONDIȚIONARE A FRUCTELOR DE CĂTINĂ</b> Milea D., Ciupercă R., Păun A.* <sup>1</sup> , Zaica A., Ștefan V., Stroescu Ghe., Bălțatu C. INMA Bucharest / Romania E-mail: <a href="mailto:ani_paun@yahoo.com">ani_paun@yahoo.com</a>		10 <sup>30</sup> -10 <sup>45</sup>	<b>MODERN METHOD OF OPTIMIZING THE TECHNOLOGICAL FLOW OF METAL PARTS MANUFACTURING BY USING A LASER CUTTING EQUIPMENT / METODA MODERNA DE OPTIMIZARE A FLUXULUI TEHNOLOGIC DE FABRICARE A PIESELOR METALICE PRIN UTILIZAREA UNUI ECHIPAMENT DE DEBITARE CU LASER</b> Anghelache D. <sup>1</sup> , Tăbărașu A.-M. <sup>1</sup> , Persu C. <sup>1</sup> , Dumitru D. <sup>1</sup> , Bălțatu C. <sup>1</sup> , Radoi R. <sup>2</sup> <sup>1</sup> INMA Bucharest / Romania; <sup>2</sup> INOE 2000 – Subsidiary Hydraulics & Pneumatics Research Institute / Romania E-mail: <a href="mailto:dragos1989anghelache@gmail.com">dragos1989anghelache@gmail.com</a>
<b>RESEARCH REGARDING THE SELECTION OF A VALUABLE BIOTYPE IN STEVIA REBAUDIANA BERTONI / CERCETARI PRIVIND SELECTAREA UNUI BIOTIP VALOROS LA STEVIA REBAUDIANA BERTONI</b> Vasile F.I.* <sup>1</sup> , Burmichi F. <sup>1</sup> , Nita A. <sup>1</sup> , Staicu B.G. <sup>1</sup> , Ion L. <sup>2</sup> <sup>1</sup> Vegetable Research and Development Station Buzau / Romania; <sup>2</sup> University of Agronomic Sciences and Veterinary Medicine of Bucharest, Faculty of Horticulture Tel: 0767528012; E-mail: <a href="mailto:vfi.inginer@gmail.com">vfi.inginer@gmail.com</a>		10 <sup>45</sup> -11 <sup>00</sup>	<b>ASPECTS REGARDING THE EVOLUTION OF ORGANIC AGRICULTURE IN ROMANIA AND WORLDWIDE / ASPECTE PRIVIND EVOLUȚIA AGRICULTURII ECOLOGICE IN ROMANIA SI PE PLAN MONDIAL</b> Grigore A. I. <sup>1</sup> , Grigore I. <sup>1</sup> , Vladutoiu L. <sup>1</sup> , Sorică C. <sup>1</sup> , Cristea M. <sup>1</sup> , Petre A.A. <sup>1</sup> , Sorica E. <sup>1</sup> <sup>1</sup> INMA Bucharest / Romania Tel: 0734319749; E-mail: <a href="mailto:igrigore44@gmail.com">igrigore44@gmail.com</a>
<b>QUALITY AND QUANTITATIVE ASSESSMENT OF GRAPES INFECTED WITH BOTRYTIS CINEREA IN VINEYARDS / EVALUAREA CALITATIVĂ ȘI CANTITATIVĂ A STRUGURILOR INFECTAȚI CU BOTRYTIS CINEREA ÎN PLANTAȚIILE VITICOLE</b> Ion M., Brîndușe E.* <sup>1</sup> , Nedelcu C. L. Research and Development Institute for Viticulture and Oenology, Valea Calugărească / Romania Tel: 0727629594; E-mail: <a href="mailto:elabrinduse@gmail.com">elabrinduse@gmail.com</a>		11 <sup>00</sup> -11 <sup>15</sup>	<b>CONSIDERATIONS ON THE OBJECTIVES, PRINCIPLES AND NORMS OF ORGANIC AGRICULTURE / CONSIDERATII CU PRIVIRE LA OBIECTIVELE, PRINCIPIILE SI NORMELE AGRICULTURII ECOLOGICE</b> Grigore A. I. <sup>1</sup> , Grigore Ion <sup>1</sup> , Vladutoiu L. <sup>1</sup> , Sorică C. <sup>1</sup> , Cristea M. <sup>1</sup> , Petre A.A. <sup>1</sup> , Sorica E. <sup>1</sup> <sup>1</sup> INMA Bucharest / Romania Tel: 0734319749; E-mail: <a href="mailto:igrigore44@gmail.com">igrigore44@gmail.com</a>
<b>CFD NUMERICAL RESEARCH ON AIR CONDITIONING IN ROOMS FOR OBTAINING MATURED CHEESES IN CAVE CONDITIONS / CERCETĂRI NUMERICE CFD PRIVIND CONDIȚIONAREA AERULUI ÎN CAMERE DE OBTINERE A BRÂNZETURILOR MATURETE ÎN CONDIȚII DE PEȘTERĂ</b> Ipate G. <sup>1</sup> , Voicu Ghe. <sup>1</sup> , Pana F.G. <sup>1</sup> , Ungureanu N. <sup>1</sup> , Biriș S.Ș. <sup>1</sup> , Cardei P. <sup>2</sup> , Vladut V. <sup>2</sup> , Găgeanu I. <sup>2</sup> , Cujbescu D. <sup>2</sup> <sup>1</sup> University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; <sup>2</sup> INMA Bucharest / Romania E-mail: <a href="mailto:puiu.ipate@gmail.com">puiu.ipate@gmail.com</a>		11 <sup>15</sup> -11 <sup>30</sup>	<b>LEVEL INDICATOR OF LIQUIDS IN BASINS AND TANKS USING ARDUINO UNO / INDICATOR DE NIVEL AL LICHIDELOR ÎN BAZINE ȘI REZERVOARE UTILIZÂND ARDUINO UNO</b> Cristea M. <sup>1</sup> , Matache M. <sup>1</sup> , Vladutoiu I. <sup>1</sup> , Grigore A.I. <sup>1</sup> , Biriș S. S. <sup>2</sup> , Ungureanu N. <sup>2</sup> , Cristea R.D. <sup>2</sup> , Sefu St. <sup>3</sup> <sup>1</sup> INMA Bucharest / Romania; <sup>2</sup> University Politehnica of Bucharest; <sup>3</sup> INOE 2000 – Subsidiary Hydraulics & Pneumatics Research Institute / Romania E-mail: <a href="mailto:mario.cristea@gmail.com">mario.cristea@gmail.com</a>
<b>SELECTING A SEEDER FOR DIFFERENT CORN SOWING SCHEMES / ИЗБОР НА СЕЯЛКА ЗА РАЗЛИЧНИ СХЕМИ ЗА СЕЙЦЕ НА ЦЯЛОТО</b> Donev Vi. *, Dimitrov P., Atanasov A., Beloev Iv. Angel Kanchev University of Ruse, 7017 Ruse, Bulgaria E-mail: <a href="mailto:v.donev@agronika.bg">v.donev@agronika.bg</a>		11 <sup>30</sup> -11 <sup>45</sup>	<b>STUDY ON METHODS FOR COMBATING FALLING OF HAILSTONE / STUDIU PRIVIND COMBATEREA CĂDERILOR DE GRINDINĂ</b> Vladutoiu L.C. * <sup>1</sup> , Sorica C. <sup>1</sup> , Mario C. <sup>1</sup> , Grigore I. A. <sup>1</sup> , Petre A.A. <sup>1</sup> , Cristea O.D. <sup>1</sup> , Sorica E. <sup>1</sup> , Dumitru I. <sup>1</sup> , Badila D. <sup>2</sup> <sup>1</sup> INMA Bucharest / Romania, <sup>2</sup> SONOVORTEX S.R.L. / Romania Tel: 0749281500; E-mail: <a href="mailto:laurentiuvladutoiu82@gmail.com">laurentiuvladutoiu82@gmail.com</a>
<b>RESEARCH ON THE ACHIEVEMENT OF BREAD WITH HIGH NUTRITIONAL VALUE AND ANTIOXIDANT CAPACITY FOR DIABETES / CERCETĂRI PRIVIND REALIZAREA UNUI SORTIMENT DE PÂINE CU VALOARE NUTRITIONALĂ RIDICATĂ ȘI CAPACITATE ANTIOXIDANTĂ, DESTINATĂ DIABETICILOR</b> Catană L. <sup>1</sup> , Catană M.* <sup>1</sup> , Burnete-A. G. <sup>1</sup> , Constantinescu F. <sup>1</sup> , Vlăduț V. <sup>2</sup> <sup>1</sup> IBA Bucharest / Romania; <sup>2</sup> INMA Bucharest / Romania E-mail: <a href="mailto:mcatana1965@gmail.com">mcatana1965@gmail.com</a> ; <a href="mailto:mona.catana@bioesurse.ro">mona.catana@bioesurse.ro</a>		11 <sup>45</sup> -12 <sup>00</sup>	<b>EXPERIMENTAL RESEARCH ON THE EXTRACTION OF VOLATILE OILS WITH THE HELP OF E.D.A.S.U.P EQUIPMENT / CERCETARI EXPERIMENTALE PRIVIND EXTRACTIA DE ULEIURI VOLATILE CU AJUTORUL ECHIPAMENTULUI E.D.A.S.U.P</b> Vladutoiu L.C. *, Voicea I., Sorica C., Cujbescu D., Mario C., Grigore I. A., Sorica E., Petre A.A. <sup>1</sup> INMA Bucharest / Romania Tel: 0749281500; E-mail: <a href="mailto:laurentiuvladutoiu82@gmail.com">laurentiuvladutoiu82@gmail.com</a>

12<sup>30</sup>-12<sup>50</sup>: Coffee break

<p><b>BENEFITS ARISING FROM PROFICIENCY TESTING SCHEMES FOR FOOD INDUSTRY / BENEFICIILE CARE DECURG DIN SCHEMELE DE TESTARE A COMPETENTELOR PENTRU INDUSTRIIA ALIMENTARA</b> Nenciu F. INMA Bucharest / Romania E-mail: <a href="mailto:florin_nenciu2000@yahoo.com">florin_nenciu2000@yahoo.com</a></p>	<p>12<sup>30</sup>-12<sup>45</sup></p>	<p><b>THE USE OF BIOFUELS IN AGRICULTURE / UTILIZAREA BIOCOMBUSTIBILOR IN AGRICULTURA</b> Mihalache B., Petre A., Vanghele N. INMA Bucharest / Romania E-mail: <a href="mailto:mihalache65@gmail.com">mihalache65@gmail.com</a></p>	<p>12<sup>30</sup>-12<sup>45</sup></p>
<p><b>A NEW MODEL OF ROTATING CYLINDRICAL SIEVE THAT CAN BE EASILY CUSTOMIZED ACCORDING TO THE LEVEL OF SEED CONTAMINATION / UN NOU MODEL DE SITA CILINDRICA ROTATIVA CARE POATE FI PERSONALIZATA CU USURINTA IN FUNCTIE DE NIVELUL DE CONTAMINARE A SEMINTELOR</b> Mircea C.<sup>1)</sup>, Nenciu F.<sup>1)</sup>, Voicu Gh.<sup>2)</sup> <sup>1)</sup>INMA Bucharest / Romania; <sup>2)</sup>University Politehnica of Bucharest / Romania E-mail: <a href="mailto:costinmircea@yahoo.com">costinmircea@yahoo.com</a></p>	<p>12<sup>45</sup>-13<sup>00</sup></p>	<p><b>CONCEPTION OF AN OPEN INNOVATION 2.0 PLATFORM / CONCEPTIA UNEI PLATFORME OPEN INNOVATION 2.0</b> Muraru S.L., Muraru V., Sfiru R., Condruz P., Muraru-Ionel C., Biris S-I. INMA Bucharest / Romania; Tel: 0740.003.833; E-mail: <a href="mailto:sebi_muraru@yahoo.com">sebi_muraru@yahoo.com</a></p>	<p>12<sup>45</sup>-13<sup>00</sup></p>
<p><b>INTERLABORATORY TESTING PRINCIPLES AND THEIR IMPLEMENTATION / PRINCIPII DE TESTARE INTERLABORATOARE SI IMPLEMENTAREA ACESTORA</b> Nenciu F. INMA Bucharest / Romania E-mail: <a href="mailto:florin_nenciu2000@yahoo.com">florin_nenciu2000@yahoo.com</a></p>	<p>13<sup>00</sup>-13<sup>15</sup></p>	<p><b>RESEARCH ON DRONES APPLICATIONS / CERCETARI PRIVIND APLICATIILE ALE DRONELOR</b> Condruz P., Muraru-Ionel C., Cardei P., Muraru S. L., Biris S-I., Muraru V. INMA Bucharest / Romania; Tel: 0753.078.341; E-mail: <a href="mailto:paula.condruz91@gmail.com">paula.condruz91@gmail.com</a></p>	<p>13<sup>00</sup>-13<sup>15</sup></p>
<p><b>RESEARCH ON THE ACHIEVEMENT OF A FORTIFIED PASTRY PRODUCT WITH ARONIA MELANOCARPA POMACE POWDER / CERCETARI PRIVIND REALIZAREA UNUI PRODUS DE PATISERIE FORTIFIAT CU PULBERE DIN TESCOVINĂ DE ARONIA MELANOCARPA</b> Catană M.<sup>1)</sup>, Catană L. <sup>1)</sup>, Constantinescu F.<sup>2)</sup>, Dără A-M.<sup>1)</sup>, Vlăduț V.<sup>2)</sup> <sup>1)</sup>IBA Bucharest / Romania; <sup>2)</sup>INMA Bucharest, Romania E-mail: <a href="mailto:cflori@yahoo.com">cflori@yahoo.com</a>; <a href="mailto:florica.constantinescu@bioresurse.ro">florica.constantinescu@bioresurse.ro</a></p>	<p>13<sup>15</sup>-13<sup>30</sup></p>	<p><b>ASPECTS REGARDING THE STABILIZATION OF RESIDUES RESULTING FROM WASTE INCINERATION / ASPECTE PRIVIND STABILIZAREA REZIDUURILOR REZULTATE DIN INCINERAREA DEȘEURILOR</b> Țucureanu M. C., Rusănescu C. O.* , Purdea L., Begea M., Ipate G., Cîrîc Al. University Polytechnic Bucharest, Faculty of Biotechnical Systems Engineering / Romania; E-mail: <a href="mailto:rusanescuotilia@gmail.com">rusanescuotilia@gmail.com</a></p>	<p>13<sup>15</sup>-13<sup>30</sup></p>
<p><b>RESEARCH ON THE OBTAINING BASIL IN POTS, IN GREENHOUSE CONDITIONS / CERCETARI PRIVIND OBTINEREA BUSUIOCULUI IN GHIVECE, IN CONDITII DE SERA</b> Teliban G.C.<sup>1)</sup>, Popa L.D.<sup>2)</sup>, Precupeanu C.<sup>1)</sup>, Agapie A.<sup>3)</sup>, Meluca C.<sup>4)</sup>, Dumitru I.<sup>5)</sup>, Stoleru V.<sup>6)</sup> <sup>1)</sup>University of Life Sciences Iasi / Romania; <sup>2)</sup>ARDS Secuieni Neamt / Romania; <sup>3)</sup>ARDS Lovrin, Timis / Romania; <sup>4)</sup>ARDS Teoman / Romania; <sup>5)</sup>INMA Bucharest/ Romania E-mail: <a href="mailto:vstoleru@uaiaasi.ro">vstoleru@uaiaasi.ro</a></p>	<p>13<sup>30</sup>-13<sup>45</sup></p>	<p><b>METHOD OF USING AN AGRICULTURAL DRONE FOR MULTISPECTRAL MAPPING OF A CORN CROP ON ROWS / METODA DE UTILIZAREA A UNEI DRONE AGRICOLE PENTRU CARTAREA MULTISPECTRALA A UNEI CULTURI DE PORUMB PE RANDURI</b> Persu C.* , Găgeanu I., Cujbescu D., Gheorghe G., Anghelache D., Stroescu G., Dumitru D. INMA Bucharest / Romania E-mail: <a href="mailto:persucatalin@yahoo.com">persucatalin@yahoo.com</a></p>	<p>13<sup>30</sup>-13<sup>45</sup></p>
<p><b>THE INFLUENCE OF DENSITY ON THE DWARF RUNNER BEAN YIELD (PHASEOLUS COCCINEUS L.) / INFLUENȚA DENSITĂȚII ASUPRA PRODUCȚIEI DE FASOLE MARE CU CREȘTERE DETERMINATĂ (PHASEOLUS COCCINEUS L.)</b> Teliban G.C.<sup>1)</sup>, Stoleru V.<sup>1)</sup>, Munteanu N.<sup>1)</sup>, Rădeanu G.<sup>1)</sup>, Nedelcu A.<sup>2)</sup>, Nae G.<sup>2)</sup>, Popa L.D.*<sup>3)</sup> <sup>1)</sup>University of Life Sciences Iasi / Romania; <sup>2)</sup>INMA Bucharest / Romania; <sup>3)</sup>ARDS Secuieni Neamt / Romania E-mail: <a href="mailto:dy.hemp420@gmail.com">dy.hemp420@gmail.com</a></p>	<p>13<sup>45</sup>-14<sup>00</sup></p>	<p><b>METHOD OF DETERMINING THE VEGETATION STATUS OF A WEEDING CROP USING AN AGRICULTURAL DRONE / METODA DE DETERMINARE A STĂRII DE VEGETAȚIE A UNEI CULTURI DE PLANTE PRĂȘITOARE UTILIZAND O DRONA AGRICOLA</b> Persu C.*<sup>1)</sup>, Găgeanu I.<sup>1)</sup>, Cujbescu D.<sup>1)</sup>, Gheorghe G.<sup>1)</sup>, Anghelache D.<sup>1)</sup>, Dumitru I.<sup>1)</sup>, Opreșcu R.M.<sup>1)</sup>, Boiu-Sicua O.A.<sup>2)</sup> <sup>1)</sup>INMA Bucharest / Romania; <sup>2)</sup>Reseach Institute for Plant Protection /Romania E-mail: <a href="mailto:persucatalin@yahoo.com">persucatalin@yahoo.com</a></p>	<p>13<sup>45</sup>-14<sup>00</sup></p>
<p><b>ASPECTS REGARDING THE COMPATIBILITY OF THE ROOTSTOCK GRAFT FOR SIRIANA F1 AND ALAMINA F1 TOMATOES GROWN IN ROMANIA / ASPECTE PRIVIND COMPATIBILITATEA ALTOIULUI PORTALTOIULUI PENTRU ROȘIILE SIRIANA F1 ȘI ALAMINA F1 CULTIVATE ÎN ROMÂNIA</b> Dobre M., Vapor C., Toma M., Vintilă M., Iordache B., Sterian A. ICDIMPH - Horting Bucharest / Romania E-mail: <a href="mailto:marian.vintila57@yahoo.com">marian.vintila57@yahoo.com</a></p>	<p>14<sup>00</sup>-14<sup>15</sup></p>	<p><b>ENERGY HARVESTING USING THERMOELECTRICITY FOR A HUMIDITY AND TEMPERATURE SENSOR / CAPTAREA ENERGIEI FOLOSIND TERMOELECTRICITATE PENTRU UN SENZOR DE UMIDITATE SI TEMPERATURĂ</b> Ionescu Al., Paun A., Cristea M., Anghelache D., Dumitru I. INMA Bucharest / Romania E-mail: <a href="mailto:alex.alex12alx@gmail.com">alex.alex12alx@gmail.com</a></p>	<p>14<sup>00</sup>-14<sup>15</sup></p>
<p><b>ASPECTS OF THE USE OF OZONE IN APPLE JUICE PROCESSING TECHNOLOGY / ASPECTE ALE UTILIZĂRII OZONULUI ÎN TEHNOLOGIA DE PRELUCRARE A SUCULUI DE MERE</b> Vintilă M.<sup>1)</sup>, Toma M.<sup>1)</sup>, Sorică C.<sup>2)</sup>, Dumitrescu I.L.<sup>1)</sup>, Manole N.<sup>1)</sup>, Mohora A.<sup>1)</sup>, Veringă D.<sup>1)</sup> <sup>1)</sup>ICDIMPH - Horting Bucharest / Romania; <sup>2)</sup>INMA Bucharest / Romania E-mail: <a href="mailto:marian.vintila57@yahoo.com">marian.vintila57@yahoo.com</a></p>	<p>14<sup>15</sup>-14<sup>30</sup></p>	<p><b>EVALUATION OF CYPRINIDS GROWTH PERFORMANCE IN INTEGRATED MULTI-TROPIC AQUACULTURE (IMTA) SYSTEMS / EVALUAREA PERFORMANȚEI CREȘTERII CIPRINIDELOR ÎN SISTEMELE INTEGRATE DE ACVACULTURĂ MULTI-TROFICĂ (IMTA)</b> Nenciu F.* , Stanciu M.M. INMA Bucharest / Romania E-mail: <a href="mailto:florin_nenciu2000@yahoo.com">florin_nenciu2000@yahoo.com</a></p>	<p>14<sup>15</sup>-14<sup>30</sup></p>
<p><b>THE USE OF MICROWAVES IN HORTICULTURAL PRODUCTS DEHYDRATION TECHNOLOGIES / UTILIZAREA MICROUNDOR ÎN TEHNOLOGIILE DE DESHIDRATARE A PRODUSELOR HORTICOLE</b> Vintilă M., Toma M., Dumitrescu I.L., Veringă D. ICDIMPH - Horting Bucharest / Romania E-mail: <a href="mailto:marian.vintila57@yahoo.com">marian.vintila57@yahoo.com</a></p>	<p>14<sup>30</sup>-14<sup>45</sup></p>	<p><b>THE IMPACT OF TECHNOLOGY IN THE COUNSELING SERVICE INDUSTRY / IMPACTUL TEHNOLOGIEI ÎN INDUSTRIA SERVICIILOR DE CONSILIERE</b> Dumitru D.N.<sup>1)</sup>, Stoian M.A.<sup>2)</sup>, Curuia N.<sup>2)</sup>, Anghelache D.<sup>1)</sup> <sup>1)</sup>INMA Bucharest / Romania; <sup>2)</sup> University Polytechnic Bucharest Tel:0752038668; E-mail: <a href="mailto:dumitrudragos.nicolae@gmail.com">dumitrudragos.nicolae@gmail.com</a></p>	<p>14<sup>30</sup>-14<sup>45</sup></p>
<p><b>IN-DEPTH STUDIES REGARDING THE IMPLEMENTATION OF MILKING ROBOTS IN ZOOTECHNICAL FARMS IN ROMANIA / STUDII APROFUNDATE PRIVIND IMPLEMENTAREA ROBOTILOR DE MULS IN FERMELE ZOOTEHNICE DIN ROMÂNIA</b> Bungescu S.<sup>1)</sup>, Caba I.<sup>2)</sup>, Duma Copcea A.<sup>1)</sup>, Popa D.<sup>1)</sup>, Pop E.<sup>3)</sup> <sup>1)</sup>USAMVB "Regele Mihai I al Romaniei" from Timisoara / Romania; <sup>2)</sup>INMA Bucharest / Romania; <sup>3)</sup>U.P. Timisoara / Romania E-mail: <a href="mailto:sobungi@yahoo.com">sobungi@yahoo.com</a></p>	<p>14<sup>45</sup>-15<sup>00</sup></p>	<p><b>ENTERPRISE EUROPE NETWORK SERVICES RELATED TO TRANSNATIONAL TECHNOLOGY TRANSFER / SERVICIILE ENTERPRISE EUROPE NETWORK AFERENTE TRANSFERULUI TEHNOLOGIC TRANSNATIONAL</b> Muraru S., Condruz P., Biris S-I. INMA Bucharest / Romania E-mail: <a href="mailto:sebi_muraru@yahoo.com">sebi_muraru@yahoo.com</a></p>	<p>14<sup>45</sup>-15<sup>00</sup></p>