



***PROGRAMME OF THE***

**INTERNATIONAL SYMPOSIUM**

***ISB-INMA TEH***

**AGRICULTURAL AND MECHANICAL  
ENGINEERING**

**- 2015 -**

**29 October – 31 October**

***University POLITEHNICA of Bucharest***

## 29 October

- 14<sup>00</sup> - 15<sup>00</sup> - **Registration of participants**  
15<sup>00</sup> - 18<sup>00</sup> - **Opening speech: Festivity Hall "Radu Voinea" (AN 010)**

### **Plenary Session Presentations**

- *PhD. Eng. Daniel BOT NOIU, Secretary of State - MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT, Romania;*
  - *Prof. PhD. Eng. Gigel PARASCHIV, Secretary of State - HIGHER EDUCATION - MINISTRY OF NATIONAL EDUCATION AND RESEARCH;*
  - *Assoc. Prof. PhD. Eng. R zvan TEODORESCU, Rector - UNIVERSITY OF AGRONOMIC SCIENCE AND VETERINARY MEDICINE BUCHAREST;*
  - *Prof. PhD. Eng. George DARIE, ViceRector – UNIVERSITY POLITEHNICA OF BUCHAREST;*
  - *Prof. PhD. Eng. Ecaterina ANDRONESCU, Senate President - UNIVERSITY POLITEHNICA OF BUCHAREST;*
  - *Prof. PhD. Eng. Ion PIRN , General Manager - NATIONAL INSTITUTE OF RESEARCH - DEVELOPMENT FOR MACHINES AND INSTALLATIONS DESIGNED TO AGRICULTURE AND FOOD INDUSTRY (INMA);*
  - *PhD. Eng. Cornelia MURARU-IONEL, Coordinator of the Technological and Business Incubator INMA-ITA - INMA BUCHAREST;*
  - *Assoc. Prof. PhD. Eng. Carmen POPESCU, Q.& I. System Management Director - SC HOFIGAL Export Import SA;*
  - *Assist.Prof.Dr.Kemal Ça atay SELV - ONDOKUZ MAYIS UNIVERSITY, Turkey;*
  - *Assoc. Prof. Ph.D.Eng. Atanas ATANASOV - Head of Department Agrotechnics - UNIVERSITY OF ROUSSE, Bulgaria;*
  - *Assoc.Prof. Ph.D. Eng. Alberto COZ - UNIVERSIDAD DE CANTABRIA, Spain;*
  - *Prof. PhD. Eng. Gh. VOICU, Dean BSI Faculty - UNIVERSITY POLITEHNICA OF BUCHAREST.*
- 18<sup>30</sup> – ... - **Festive Dinner.**

## 30 October

**P.U. Bucharest Library, Building A, 4<sup>th</sup> floor (Hall 4.1; 4.2; 4.3)**

- 9<sup>00</sup> - 9<sup>15</sup> - **Registration of participants**  
9<sup>15</sup> – 10<sup>55</sup> - **Presentations of papers on sections (ORAL)**  
10<sup>55</sup> - 11<sup>10</sup> - **Coffee break**  
11<sup>10</sup> – 13<sup>55</sup> - **Presentations of papers on sections (ORAL)**  
13<sup>55</sup> – 14<sup>10</sup> - **Coffee break**  
14<sup>10</sup> – 15<sup>40</sup> - **Presentations of papers on sections (POSTER)**  
15<sup>40</sup> – ... - **Lunch**
- 9<sup>15</sup> – 18<sup>30</sup> - **Brokerage: Future Cooperation Possibilities**

## 31 October

- 7<sup>30</sup> – 20<sup>00</sup> - **Field Trip**  
14<sup>30</sup> - 17<sup>15</sup> - **Lunch**

## SPONSORS

- MASCHIO GASPARDO Romania;
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- CRV PROFESIONAL SRL
- VALTEC SRL.

**INTERNATIONAL SYMPOSIUM *ISB-INMA TEH* 30 October 2015**

<b>SECTION 1 - POWER AND MACHINERY - ORAL PRESENTATIONS</b>		<b>SECTION 2 - ECOLOGY &amp; ENVIRONMENT - ORAL PRESENTATIONS</b>	
<b>Chairman:</b>	Prof. Ph.D. Eng. BIRI S. t. / Assoc. Prof. Ph.D. Eng. DUKE M. (P.U. Bucharest Library, Building A, 4 <sup>th</sup> floor, Hall 4.1) Prof. Ph.D. Eng. PARASCHIV G.	<b>Chairman:</b>	Prof. Ph.D. Eng. PIRN I. / Assoc. Prof. Ph.D. Eng. MAICAN E. (P.U. Bucharest Library, Building A, 4 <sup>th</sup> floor, Hall 4.2) Assoc. Prof. Ph.D. Eng. COZ A.
<p><b>EVALUATION OF SOIL TILLAGE PROCESS FOR IMPROVING SEEDBED PREPARATION AND CROP DENSITY / ZEM S DIRBIMO PROCESO VERTINIMAS S KLOS GUOLIAVIET S PARUOSIMUI IR PAS LIO TANKUMUI PAGERINTI</b> PhD Agr. Kriau i nien Z.<sup>1)</sup>, Prof. PhD Agr. Veli ka R.<sup>1),2)</sup>, PhD Eng. ekanauskas S.<sup>1)</sup> PhD.Agr. Butkevi ien L.M.<sup>1),2)</sup>, PhD Agr. Masilionyt L.<sup>3)</sup>, Prof. PhD Eng. Šarauskis E.<sup>4)</sup>, Prof. Ph.D.Eng. Karayel D.<sup>5)</sup>, Prof. Emerit Ph.D.A21gr. Lazauskas P.<sup>2)</sup></p> <p><sup>1)</sup> Experimental Station, Aleksandras Stulginskis University / Lithuania; <sup>2)</sup> Institute of Agroecosystems and Soil Science, Aleksandras Stulginskis University / Lithuania; <sup>3)</sup> Joniškiš Experimental Station, Lithuanian Centre for Agriculture and Forestry / Lithuania; <sup>4)</sup> Institute of Agricultural Engineering and Safety, Aleksandras Stulginskis University / Lithuania; <sup>5)</sup> Akdeniz University / Turkey <i>E-mail: zita.kriauciuniene@asu.lt</i></p>	9 <sup>15</sup> -9 <sup>30</sup>	<p><b>HYDROLYSIS AND SEPARATION OF LIGNOCELLULOSIC BIOMASS IN A SULPHITE PROCESS TO VALORISE THE MAIN FRACTIONS WITHIN THE BIOREFINERY CONCEPT / HIDRÓLISIS Y SEPARACIÓN DE BIOMASA LIGNOCELULÓSICA EN UN PROCESO AL SULFITO CON EL OBJETO DE VALORIZAR LAS PRINCIPALES FRACCIONES DENTRO DEL CONCEPTO DE BIO-REFINERÍA</b> Assoc. Prof. Ph.D. Eng. Coz A.<sup>1)</sup>, Ph.D. Stud. Eng. Llano T.<sup>1)</sup>, Ph.D. Stud. Eng. Rueda C.<sup>1)</sup>, Ph.D. Eng. Quijorna N.<sup>1)</sup>, Assoc. Prof. Ph.D. Eng. Maican E.<sup>2)</sup></p> <p><sup>1)</sup> Universidad de Cantabria, Green Engineering and Resources Research Group / Spain <sup>2)</sup> Politehnica University of Bucharest, Faculty of Biotechnical Systems Engineering / Romania, <i>E-mail: alberto.coz@unican.es</i></p>	9 <sup>15</sup> -9 <sup>35</sup>
<p><b>AN ANALYSIS OF CORN TILLAGE AND CULTIVATION ENERGY CONSUMPTION AND GHG EMISSIONS / ZEM S DIRBIMO TECHNOLOGIJ KUKUR ZAMS ENERGIJOS IR ŠESD RODIKLI ANALIZ</b> Prof. Ph.D. Eng. Šarauskis E.<sup>1)</sup>, Ph.D. Eng. Buragien S.<sup>1)</sup>, Prof. Ph.D. Romaneckas K.<sup>2)</sup>, Ph.D. Kriau i nien Z.<sup>3)</sup>, Assoc. Prof. Ph.D. Eng. Jasinskas A.<sup>1)</sup>, Ph.D. Adamavi ien A.<sup>2)</sup>, Ph.D. Stud. Eng. Naujokien V.<sup>1)</sup></p> <p><sup>1)</sup> Institute of Agricultural Engineering and Safety, Aleksandras Stulginskis University / Lithuania; <sup>2)</sup> Institute of Agroecosystems and Soil Science, Aleksandras Stulginskis University / Lithuania; <sup>3)</sup> Experimental Station of Aleksandras Stulginskis University / Lithuania <i>E-mail: egdijus.sarauskis@asu.lt</i></p>	9 <sup>30</sup> -9 <sup>45</sup>	<p><b>PLANNING OF INTEGRATED SYSTEMS FOR SUPPLY OF NATURAL WATER AND UNCONVENTIONAL RESOURCE IN AGRICULTURE: FEASIBILITY OF REUSE OF MUNICIPAL SECONDARY EFFLUENTS IN IRRIGATION DISTRICTS IN APULIA REGION / PIANIFICAZIONE DI SISTEMI INTEGRATI PER L' APPROVVIGIONAMENTO DI ACQUE NATURALI E RISORSE IDRICHE NON CONVENZIONALI IN AGRICOLTURA: LA FATTIBILITA' DEL RIUSO DI EFFLUENTI SECONDARI URBANI IN DISTRETTI IRRIGUI DELLA PUGLIA</b> Prof. Ph.D. Eng. Trulli E.<sup>1)</sup>, Prof. Ph.D. Eng. Torretta V.<sup>2)</sup>, Ph.D. Eng. Rada E.C.<sup>3)</sup>, Prof. Eng. Ph.D. Ragazzi M.<sup>3)</sup>, Prof. Eng. Ph.D. Istrate I.<sup>4)</sup>, Prof. Ph.D. Paraschiv G.<sup>4)</sup>, Prof. Eng. Ph.D. Voicu.Gh.<sup>4)</sup></p> <p><sup>1)</sup> University of Basilicata, Potenza / Italy; <sup>2)</sup> University of Insubria, Varese / Italy; <sup>3)</sup> University of Trento / Italy; <sup>4)</sup> University Politehnica of Bucharest / Romania <i>E-mail: ettore.trulli@unibas.it</i></p>	9 <sup>35</sup> -9 <sup>55</sup>
<p><b>DEVELOPMENT OF ROBOTIC DIBBLING MACHINE FOR IMPROVING THE QUALITY OF FORESTRY SEEDLINGS /</b></p> <p align="center">Assoc. Prof. Dr. Duke M., Ph.D Stud. McGuinness B., Assoc. Prof. Dr. Kunemeyer R. University of Waikato, School of Engineering, Hamilton / New Zealand <i>E-mail: dukemd@waikato.ac.nz</i></p>	9 <sup>45</sup> -10 <sup>00</sup>	<p><b>TiO<sub>2</sub> PHOTOCATALYST FOR WASTEWATER TREATMENT APPLICATIONS / FOTOCATALIZA TI<sub>2</sub> PENTRU APLICA II DE TRATARE A APEI REZIDUALE</b> Assoc. Prof. Ph.D. Covaliu C.I., Prof. Ph.D. Eng. Biri S. t., Prof. Ph.D. Eng. Paraschiv G., Stud. Ghi escu C., Assoc.Prof. Ph.D. Matei E., Prof. Ph.D. Eng. Ilie F. University POLITEHNICA Bucharest / Romania <i>Email: cristina_covaliu@yahoo.com</i></p>	9 <sup>55</sup> -10 <sup>15</sup>
<p><b>ENERGY USE IN AGRICULTURE SECTOR OF TURKEY / TÜRK YE TARIM SEKTÖRÜNDE ENERJ KULLANIMI</b> Dr. Kusek<sup>1)</sup> G., Prof.Dr. Ozturk<sup>2)</sup> H.H., Prof.Dr. Akdemir<sup>1)</sup> S.</p> <p><sup>1)</sup> General Directorate of Agricultural Reform, Republic of Turkey Ministry of Food Agriculture and Livestock, Ankara / Turkey; <sup>2)</sup> Dept. of Agric. Machineries and Technologies Engineering, Agricultural Faculty, Cukurova University, Adana / Turkey <i>E-mail: gurses.kusek@tarim.gov.tr, hhozturk@cu.edu.tr</i></p>	10 <sup>00</sup> -10 <sup>15</sup>	<p><b>EVALUATION OF WASTE BIOMASS FROM OAT CULTIVATION FOR ENERGY / YULAF YET T R C L NDE ATIK B YOKÜTLEN N ENERJ OLARAK DE ERLEND R LMES</b> Assoc.Prof.Dr. Gürdil, Gürkan A.K.<sup>1)</sup>, Ress.Assist. Demirel, B.<sup>1)</sup>, Assist.Prof.Dr. Selvi, K.Ç.<sup>1)</sup>, Assist.Prof.Dr. Kaba , Ö.<sup>2)</sup>, Phd. Eng. Vladut, V.<sup>3)</sup></p> <p><sup>1)</sup> Dept. of Agricultural Machinery and Technologies Engineering, Agricultural Faculty, Ondokuz Mayıs University, Samsun, Turkey, <sup>2)</sup> Dept. Vocational School of Technical Science, Department of Machinery and Metal Technology, Akdeniz University, Antalya, Turkey), <sup>3)</sup> INMA Bucharest, Romania), <i>E-mail: ggurdil@omu.edu.tr</i></p>	10 <sup>15</sup> -10 <sup>35</sup>
<p><b>STRUCTURAL INTENSITY METHOD APPLIED TO STUDY OF VIBRATIONS DAMPING / METODA INTENSIMETRIEI STUCTURALE APLICAT LA STUDIUL AMORTIZ RII VIBRA IILOR</b> Assoc. Prof. Ph.D. Eng. Carp-Ciocărdia D.C., Prof. Ph.D. Eng. Maghe i I.</p> <p>University "Politehnica" Bucharest, Faculty of Biotechnical Systems Engineering, Department of Mechanics / Romania <i>E-mail: craita.carp@upb.ro</i></p>	10 <sup>15</sup> -10 <sup>35</sup>	<p><b>ENERGY ANALYSIS OF MANUFACTURING PROCESS OF BIODEGRADABLE AGRICULTURAL FILMS / ANALIZA ENERGETIC A PROCESULUI DE FABRICA IE A FOLIILOR AGRICOLE BIODEGRADABILE</b> Lect. Ph.D. Eng. Deac T<sup>1)</sup>, Ph.D. Stud. Eng. Nagy E.M<sup>2)</sup>, Ph.D. Stud. Eng. Cota C.<sup>2)</sup>, Ph.D. Eng. Cioica N.<sup>2)</sup>, Eng. Gyorgy Z<sup>2)</sup></p> <p><sup>1)</sup> Technical University of Cluj-Napoca, Faculty of Mechanics / Romania; <sup>2)</sup> INMA Bucharest, Branch of Cluj Napoca <i>E-mail: teodora.deac@auto.utcluj.ro</i></p>	10 <sup>35</sup> -10 <sup>55</sup>
<p><b>THE INFLUENCE OF HYDROGEN ON THE COMBUSTION VELOCITY OF SOLID BIOMASS / INFLUEN A HIDROGENULUI ASUPRA VITEZEI DE ARDERE A BIOMASEI SOLIDE</b> Prof. Ph.D.Eng. Mih escu L., Prof. Ph.D.Eng. L z roiu Gh., Assoc. Prof. Ph.D.Eng. Negreanu G.P., Prof. Ph.D.Eng. Pi lonel, Lect.Ph.D.Eng. Pop E.</p> <p>University Politehnica of Bucharest – Faculty of Mechanical Engineering and Mechatronics / Romania <i>Email: lmihhaescu@caz.mecan.pub.ro</i></p>	10 <sup>35</sup> -10 <sup>55</sup>	<p><b>THE DETERMINATION OF THE INTERDEPENDENCE BETWEEN THE AMOUNT OF FREE RESIDUAL CHLORINE AND THE AMMONIA COMPOUNDS LOAD TO THE DISINFECTION OF A MICROBIAL CONTAMINATED WASTEWATER / DETERMINAREA INTERDEPENDEN EI DINTRE CANTITATEA DE CLOR REZIDUAL LIBER I CON INUTUL DE COMPU I AMONICALI LA DEZINFECTAREA UNEI APE UZATE CONTAMINAT MICROBIOLOGIC</b> Lect. Ph.D. Eng. Safta V.V.<sup>1)</sup>, Eng. S.R. Ciuc V-C.<sup>2)</sup></p> <p><sup>1)</sup> University POLITEHNICA Bucharest / Romania; <sup>2)</sup> Pateur Institute Bucharest / Romania <i>E-mail: saftavictoriorel@yahoo.com</i></p>	10 <sup>55</sup> -11 <sup>00</sup> Coffee break
<p><b>MATHEMATICAL MODELING AND COMPARATIVE SIMULATION OF THE VIBRATIONS OF VIBRO-CULTIVATORS AND AGRICULTURAL CULTIVATORS / MODELARE MATEMATICA SI SIMULAREA COMPARATIVA A VIBRATIILOR COMBINATOARELOR SI CULTIVATOARELOR AGRICOLE</b> Mat. Cardei P.<sup>1)</sup>, Ph.D. Eng. Muraru V.<sup>1)</sup>, Ph.D. Eng. Constantin N.<sup>1)</sup>, Ph.D. Eng. Muraru C.<sup>1)</sup>, Assoc. Prof. Ph.D. Cilan T., Eng. Hodre C.D., Ph.D. Stud. Eng. Matache M.<sup>1)</sup></p> <p><sup>1)</sup> INMA Bucharest/ Romania; <sup>2)</sup> Aurel Vlaicu" University of Arad, Faculty of Economic Sciences / Romania <i>E-mail: petru_cardei@yahoo.com</i></p>	11 <sup>00</sup> -11 <sup>25</sup>	<p><b>ECONOMIC ASPECTS OF PHYTOSANITARY CONTROL WITH NONPOLLUTING SUBSTANCES IN ORCHARDS / ASPECTE ECONOMICE ALE COMBATERII FITOSANITARE CU SUBSTANTE NEPOLUANTE IN LIVEZI</b> Ph.D. Stud. Eng. Dumitra cu A.<sup>1)</sup>, Ph.D. Platon V.<sup>2)</sup></p> <p><sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> Institute of National Economy, Bucharest / Romania <i>E-mail: a.dumi@yahoo.com</i></p>	11 <sup>00</sup> -11 <sup>30</sup>
<p><b>ELEMENTARY AND COMPLEX SIMULATION OF A RIVER POLLUTION IN ORDER OF ENVIRONMENTAL TRAINING AND AWARENESS / SIMULAREA ELEMENTARA SI COMPLEXA A POLUARII UNUI RAU PENTRU INSTRUIRE SI CONSTIENTIZARE DE MEDIU</b> Mat. Cardei P., Ph.D. Eng. Muraru V., Eng. Sfiru R., Ph.D. Eng. Muraru C., Tech. Ticu T.</p> <p>INMA Bucharest / Romania <i>E-mail: petru_cardei@yahoo.com</i></p>	11 <sup>25</sup> -11 <sup>40</sup>		

<p>PARAMETRIC MODELING OF THE IMPULSE GEARBOX IN OIL FROM GRASSLANDS REGENERATION MACHINE /  <b>MODELAREA PARAMETRIC A CUTIEI DE VITEZE CU IMPULSURI ÎN BAIIE DE ULEI DE LA MA ÎNA DE REGENERAT PAJI TI</b>  Ph.D. Eng. Marin E.<sup>1</sup>, Eng. Cherciu D.<sup>2</sup>, Ph.D. Eng. P un A.<sup>1</sup>, Eng. Cheptea C.<sup>2</sup>, Ph.D. Eng. Manea D.<sup>1</sup>, Ph.D.Stud. Eng. Istrate B.<sup>2</sup>, Eng. Gheorghe G.<sup>1</sup>, Ph.D. Eng. Mateescu M.<sup>1</sup>, Ph.D.Stud. Eng. David A.<sup>1</sup>, Ph.D. Eng. Neac u F.<sup>3</sup>  <sup>1</sup>INMA Bucharest / Romania; <sup>2</sup>MECANO FUC SA Vaslui / Romania; <sup>3</sup>NHR AGROPARTNERS / Romania  E-mail: marin_43eu@yahoo.com</p>	11 <sup>40</sup> -11 <sup>55</sup>	<p>MONITORING WIND SPEED AT DIFFERENT HEIGHTS FROM THE GROUND IN BUCHAREST /  <b>MONITORIZAREA VITEZEI VÂNTULUI LA DIFERITE ÎN L ÎMI FA DE SOL ÎN ORA UL BUCURE TI</b>  Assoc. Prof. Ph.D.Eng. Rus nescu C.O., Prof. Ph.D. Eng. Voicu G., Prof. Ph.D. Eng. Paraschiv G., Prof. Ph.D. Eng. Biri S. t., Ec. Rus nescu M., Assoc. Prof. Ph.D.Eng. Popescu I. N., Assoc. Prof. Ph.D.Eng. Begea M.  Politehnica University of Bucharest / Romania  E-mail: otillarusanescu@yahoo.com</p>	11 <sup>50</sup> -12 <sup>10</sup>
<p>MATHEMATICAL MODELING OF THE THRESHING PROCESS MADE BY THE THRESHING SYSTEMS WITH MULTIPLE ROTORS /  <b>MODELAREA MATEMATIC A PROCESULUI DE TREIER REALIZAT DE APARATELE DE TREIER CU ROTOARE MULTIPLE</b>  Ph.D. Eng. Ivan Gh.  INMA Bucharest / Romania  E-mail: geoivan2006@yahoo.com</p>	11 <sup>55</sup> -12 <sup>10</sup>	<p>USING THE REVERSE OSMOSIS METHOD TO OBTAIN DRINKING WATER FROM NITRATE POLLUTED SOURCES FOR RURAL COMMUNITIES /  <b>UTILIZAREA PROCEDEULUI DE OSMOZA INVERSA PENTRU OBTINEREA DE APA POTABILA DIN SURSE POLUATE CU NITRATI PENTRU COMUNITATI RURALE</b>  Eng. Sauciu R.<sup>1</sup>, Prof. Ph.D. Eng. Ciocănea A.<sup>2</sup>, Ph.D. Eng. Lep datu I.<sup>1</sup>, Eng. Dumitrescu L.<sup>1</sup>, Ph.D. Eng. Dumitrescu C.<sup>1</sup>, Prof. Ph.D. Eng. Stamin I.<sup>3</sup>  <sup>1</sup>Hydraulics and Pneumatics Research Institute INOE 2000-IHP, Bucharest / Romania;  <sup>2</sup>University Politehnica of Bucharest, Faculty of Power Engineering / Romania;  <sup>3</sup>University of Bucharest / Romania  E-mail: sauciu.ihp@fluidas.ro</p>	12 <sup>10</sup> -12 <sup>30</sup>
<p>STUDY OF THE VIBRATIONS OF A PLOW BLADE /  <b>STUDIUL VIBRA IILOR UNEI LAME DE PLUG</b>  Lecturer Ph.D. Eng. Or anu N., Assoc. Professor Ph.D. Eng. Dragomirescu C.  - University "Politehnica" of Bucharest, Department of Mechanics / Romania  E-mail: norasanu62@yahoo.com</p>	12 <sup>10</sup> -12 <sup>25</sup>	<p>STUDIES REGARDING BIOGAS PRODUCTION FROM ENERGY CROPS /  <b>STUDII PRIVIND PRODUCEREA BIOGAZULUI DIN CULTURI ENERGETICE</b>  Lect. Ph.D. Eng. Dinc M.<sup>1</sup>, Prof. Ph.D. Eng. Voicu Gh.<sup>1</sup>, Prof. Ph.D. Eng. Paraschiv G.<sup>1</sup>, Assist. Ph.D. Eng. Ungureanu N.<sup>1</sup>, Assist. Ph.D. Eng. Toma L.<sup>1</sup>, Ph.D. Eng. Moiceanu G.<sup>1</sup>, Ph.D. Eng. Vi du V.<sup>2</sup>, Assist. Prof. Ph.D. Eng. Ionescu M.<sup>1</sup>, Assist. Ph.D. Stud. Eng. Z bav B. <sup>1</sup>  <sup>1</sup>University POLITEHNICA Bucharest / Romania; <sup>2</sup>INMA Bucharest / Romania  E-mail: mirela_dilea@yahoo.com</p>	12 <sup>30</sup> -12 <sup>45</sup>
<p>THE INFLUENCE OF THE CONDITIONING SYSTEM ON SEED QUALITY /  <b>INFLUEN A I STEMULUI DE CONDI IONARE ASUPRA VALORII CULTURALE A SEMIN EI</b>  Ph.D. Eng. Moldovan G.<sup>1</sup>, Ph.D. Eng. Bria N.<sup>2</sup>, Ph.D.Stud. Eng. Barbos A.<sup>3</sup>  <sup>1</sup>Agricultural Research and Development Station Turda / Romania, <sup>2</sup>ASAS Bucharest / Romania  <sup>3</sup>UASMV Cluj-Napoca / Romania  E-mail: moldgrig@yahoo.com</p>	12 <sup>25</sup> -12 <sup>40</sup>		
<p>THEORETIC CONSIDERATION REGARDING THE PNEUMATIC TRANSPORT SYSTEM DESIGN MEANT FOR SMALL AND VERY SMALL SEEDS ALVEOLAR PNEUMATIC SOWING EQUIPMENT /  <b>CONSIDERA II TEORETICE PRIVIND PROIECTAREA INSTALA IEI PNEUMATICE DE TRANSPORT UTILIZAT DE UN ECHIPAMENT PNEUMATIC DE SEMANAT ALVEOLAR A SEMINTELOR MICI SI FOARTE MICI</b>  Ph.D Eng. Vi an Al. L., Eng. Milea D.  INMA Bucharest / Romania  E-mail: alexandriion1982@yahoo.com</p>	12 <sup>40</sup> -12 <sup>55</sup>	<p>AN INEXPENSIVE OPEN-SOURCE SYSTEM FOR MONITORING AND CONTROL ENVIRONMENTAL FACTORS IN GREENHOUSE /  <b>SISTEM OPEN-SOURCE CU COSTURI REDUSE PENTRU MONITORIZAREA I CONTROLUL FACTORILOR DE MEDIU ÎN SERE</b>  Lect. Ph.D. Eng. Ipate G., Prof. Ph.D. Eng. Voicu G., Lect. Ph.D. Eng. Constantin G.  University POLITEHNICA Bucharest / Romania  E-mail: puiiipate@yahoo.com</p>	12 <sup>45</sup> -13 <sup>00</sup>
<p>TRACTOR TRAILED WINDROWER FOR FODDER PLANTS, DESIGNED TO HARVEST, CONDITIONING AND LEAVING SWATHS OF FODDER PLANTS /  <b>VINDROVER TRACTAT PENTRU RECOLTAREA COMBINAT CU CONDI IONAREA PLANTELOR COSITE I L SAREA ÎN BRAZDE</b>  Ph.D. Eng. Popa L.<sup>1</sup>, Eng. Cherciu D.<sup>2</sup>, Ph.D. Eng. Ciuperc R.<sup>1</sup>, Eng. Antoce I.<sup>2</sup>, Ph.D. Eng. Marin E.<sup>1</sup>, Eng. Cheptea C.<sup>2</sup>, Ph.D. Eng. Nedelcu A.<sup>1</sup>, Ph.D. Stud. Eng. tefan V.<sup>1</sup>, Ph.D. Stud. Eng. Petcu A.<sup>1</sup>  <sup>1</sup>INMA Bucharest / Romania, <sup>2</sup>S.C. Mecano Fuc S.A / Romania  E-mail: lucretia_popa@yahoo.com</p>	12 <sup>55</sup> -13 <sup>10</sup>	<p>THE INFLUENCE OF THE TEMPERATURE ON BIOGAS PRODUCTION IN A SMALL CAPACITY PLANT /  <b>INFLUEN A TEMPERATURII ASUPRA PRODUC IEI DE BIOGAZ ÎNTR-O INSTALA IE DE CAPACITATE MIC</b>  Assist. Ph.D. Eng. Toma M.L.<sup>1</sup>, Prof. Ph.D. Eng. Voicu Gh.<sup>1</sup>, Prof. Ph.D. Eng. Paraschiv G.<sup>1</sup>, Ph.D. Eng. Vi du V.<sup>1</sup>, Lect. Ph.D. Eng. Dinc M.<sup>1</sup>, Ph.D.Stud. Eng. Voicea I.<sup>2</sup>, Assist. Ph.D. Eng. Ungureanu N.<sup>1</sup>, Ph.D. Eng. Moiceanu G.<sup>1</sup>  <sup>1</sup>University POLITEHNICA Bucharest / Romania;  <sup>2</sup>INMA Bucharest / Romania  E-mail: lauratoma2002@yahoo.com</p>	13 <sup>00</sup> -13 <sup>15</sup>
<p>EXPERIMENTAL RESEARCH ON CHOPPING OF MEDICINAL PLANTS /  <b>CERCETARI EXPERIMENTALE PRIVIND TOCAREA PLANTELOR MEDICINALE</b>  PhD. Stud. Eng. Muscalu A.<sup>1</sup>, Prof. Ph.D. Eng. David L.<sup>2</sup>, PhD. Stud. Biol. Pruteanu A.<sup>1</sup> PhD. Eng. Danciu A.<sup>1</sup>  <sup>1</sup>INMA Bucharest / Romania; <sup>2</sup>P.U. Bucharest / Romania  E-mail: amuscalis@yahoo.com</p>	13 <sup>10</sup> -13 <sup>25</sup>	<p>BIOMASS (ENERGY CROPS) PRETREATMENT TO IMPROVE ANAEROBIC DIGESTION PROCESS - REVIEW /  <b>PRETRATAREA BIOMASEI (CULTURILOR ENERGETICE) PENTRU ÎMBUN T IREA PROCESULUI DE DIGESTIE ANAEROBIC - REVIEW</b>  PhD. Eng. Moiceanu G., Prof. Ph.D. Eng. Voicu Gh., Prof.Ph.D. Eng. Paraschiv G., Ph.D.Stud.Eng. Chitoiu M., Lect. Ph.D. Eng Dinca M. N., Lect. Ph.D. Eng. Musuroi G.  University POLITEHNICA Bucharest / Romania  E-mail: moiceanugergiana@gmail.com</p>	13 <sup>15</sup> -13 <sup>35</sup>
<p>NUMERICAL METHOD FOR DETERMINING THE INERTIA PROPERTIES OF AN ARBITRARY SHAPED PLATE /  <b>METOD NUMERIC PENTRU DETERMINAREA PROPRIET IILOR INER IALE ALE UNEI PL CIDEFORM ARBITRAR</b>  Assoc. Prof. Ph.D. Eng. Craifaleanu A., Assoc. Prof. Ph.D Dragomirescu C.  University "Politehnica" of Bucharest, Department of Mechanics / Romania  E-mail: ycraif@yahoo.com</p>	13 <sup>25</sup> -13 <sup>40</sup>		
<p>RESEARCHES REGARDING THE INTRINSIC VALUES OF ROTATING DISKS SUBJECTED TO CHANGING TEMPERATURE ALONG THE RADIUS AND THICKNESS /  <b>CERCET RI TEORETICE CU PRIVIRE LA VALORILE PROPRII ALE DISCURIILOR ÎN MI CARE DE ROTA IE, SUPUSE LA TEMPERATURI VARIABLE PE RAZ I GROSIME</b>  Assoc.Prof.Ph.D.Eng. Com nescu I.S., Prof. Ph.D.Eng. Radu Gh.  Transilvania University of Bra ov, Faculty of Food and Tourism / Romania  E-mail: ioanacom@unitbv.ro</p>	13 <sup>40</sup> -13 <sup>55</sup>	<p>THE IMPACT ASSESSMENT OF A DIESEL CONTAMINATION OF SOIL - A BIOLOGICAL APPROACH /  <b>EVALUAREA IMPACTULUI CONTAMIN RII CU MOTORIN A SOLULUI - O ABORDARE ECOLOGIC</b>  Lect. Ph.D. Eng. Istrate I.A.<sup>1</sup>, Assoc. Prof. Ph.D. Eng. Ferdes M.<sup>1</sup>, Ph.D. Eng. Rada E.C.<sup>2</sup>  <sup>1</sup>University POLITEHNICA Bucharest / Romania; <sup>2</sup>University of Trento / Italy  E-mail: ia_istrate@yahoo.com</p>	13 <sup>35</sup> -13 <sup>55</sup>
<p>13<sup>55</sup>-14<sup>10</sup>  Coffee break</p>	13 <sup>55</sup> -14 <sup>10</sup> Coffee break		13 <sup>55</sup> -14 <sup>10</sup> Coffee break



<b>SECTION 1 - POWER AND MACHINERY - POSTER PRESENTATIONS</b>		<b>SECTION 2 - ECOLOGY &amp; ENVIRONMENT - POSTER PRESENTATIONS</b>	
<b>Chairman:</b> Prof. Ph.D. Eng. S. R. CIN I. Ph.D. Eng. CIUPERC R.	(P.U. Bucharest Library, Building A, 4 <sup>th</sup> floor Lobby)	<b>Chairman:</b> Assoc. Prof. Ph.D. Ch. POPESCU C. Assoc. Prof. Ph.D. Ch. FERDE M.	(P.U. Bucharest Library, Building A, 4 <sup>th</sup> floor Lobby)
<b>A REVIEW OF LOW-GRADE HEAT RECOVERY USING ORGANIC RANKINE CYCLE / O ANALIZĂ PRIVIND RECUPERAREA CALDURII DE JOAS TEMPERATURĂ FOLOSIND CICLUL RANKINE ORGANIC</b> Ph.D. Stud. Eng. Ghilvacs M.I., Prof. Ph.D. Eng. Prisecaru T., Lect. Ph.D. Eng. Pop H., Prof. Ph.D. Eng. Apostol V., Prof. Ph.D. Eng. Prisecaru M., Prof. Ph.D. Eng. Dobrovicescu A., Lect. Ph.D. Eng. Pop E., As. Ph.D. Stud. Eng. Ciobanu C., Ph.D. Stud. Eng. Aboaltabooq M.H.K., Ph.D. Stud. Eng. Alexandru A. University Politehnica of Bucharest, Faculty of Mechanical and Mechatronics Engineering / Romania E-mail: make_madalina@yahoo.com	14 <sup>10</sup> -14 <sup>15</sup>	<b>EXPERIMENTATION METHODOLOGY FOR SEEDS TREATMENT EQUIPMENT WITH BRUSH SCREW CONVEYOR / METODOLOGIE DE EXPERIMENTARE LA UN ECHIPAMENT DE TRATAT SEMINTE CU TRANSPORTOR ELICOIDAL CU PERII</b> PhD.Stud Eng. Zaica Al., PhD. Eng. P un A., PhD.Stud Eng Zaica A., PhD. Eng Vi an A. INMA Bucharest / Romania E-mail: zaica_alexandru@yahoo.com	14 <sup>10</sup> -14 <sup>15</sup>
<b>EXPERIMENTAL RESEARCH WITH MULTIFUNCTIONAL MACHINES TILLER M7.5 AND REVERSIBLE PLOW PR1 CERCETĂRI EXPERIMENTALE CU UTILAJUL MULTIFUNCȚIONAL MOTOCULTOR M7,5 ȘI PLUG REVERSIBIL PR1</b> PhD. Eng. Ciuperca R. <sup>1</sup> , Ing.Florea N. <sup>2</sup> , Ph.D.Stud.Eng. Lazar G. <sup>1</sup> , Ph.D. Eng. Nedelcu A. <sup>1</sup> , Ph.D. Eng. Popa L. <sup>1</sup> , Ph.D. Stud. Eng. Eng. Zaica A. <sup>1</sup> , Ph.D.Stud. Eng. Stefan V. <sup>1</sup> , Ph.D.Stud. Eng. Petcu A. <sup>1</sup> <sup>1</sup> INMA Bucharest / Romania; <sup>2</sup> SC RURIS IMPEX SRL / Romania E-mail: ciupercaradu@yahoo.com	14 <sup>15</sup> -14 <sup>20</sup>	<b>CONSIDERATIONS ON THE IMPORTANCE OF THE PAULOWNIA TREES PLANTING / CONSIDERAȚII PRIVIND IMPORTANȚA CULTURII DE PAULOWNIA</b> PhD. Eng. Danciu A. <sup>1</sup> , PhD. Eng. Vi du V. <sup>1</sup> , Eng. Grigore I. <sup>1</sup> , PhD. Eng. Soric C. <sup>1</sup> , Eng. Cristea (Danciu) M.A. <sup>2</sup> , Ph.D. Stud. Eng. Muscalu A. <sup>1</sup> , Ph.D. Stud. Eng. Pruteanu A. <sup>1</sup> , PhD. Eng. Marin E. <sup>1</sup> , PhD. Eng. Usenko M. <sup>3</sup> <sup>1</sup> INMA Bucharest / Romania; <sup>2</sup> ROMWEST INTERNATIONAL SRL / Romania; <sup>3</sup> Lutsk National Technical University / Ukraine E-mail: danciu_aurel1@yahoo.com	14 <sup>15</sup> -14 <sup>20</sup>
<b>SUPERIOR CAPITALIZATION OF LAVENDER BY OBTAINING VOLATILE OILS APPLYING THE STEAM DISTILLATION METHOD / VALORIFICAREA SUPERIOARĂ A LAVANDEI PRIN OBTINEREA DE ULEIURI VOLATILE APLICAND METODA DISTILĂRII CU VĂPURI DE APA</b> Eng. Grigore I. <sup>1</sup> , Ph.D. Eng. Sorica C. <sup>1</sup> , Ph.D. Eng. Vladut V. <sup>1</sup> , Ph.D. Stud. Eng. Matache M. <sup>1</sup> , Ph.D. Stud. Eng. Cujbescu D. <sup>1</sup> , Ph.D. Stud. Eng. Sorica E. <sup>1</sup> , Ph.D. Stud. Eng. Muscalu A. <sup>1</sup> , Ph.D. Eng. Marin E. <sup>1</sup> , Assoc. Assist. Prof. Dr. Kabas Ö. <sup>2</sup> , Prof. Ph.D. Eng. Lazar S. <sup>3</sup> <sup>1</sup> INMA Bucharest / Romania; <sup>2</sup> Akdeniz University, Antalya / Turkey; <sup>3</sup> University of Novi Sad / Serbia E-mail: ionica_grigore2001@yahoo.com	14 <sup>20</sup> -14 <sup>25</sup>	<b>PHYSICAL-CHEMICAL AND MICROBIOLOGICAL CHARACTERIZATION OF LAVENDER WATER OBTAINED AS SECONDARY PRODUCT FROM LAVENDER (Lavandula angustifolia L) ESSENTIAL OIL / CARACTERIZAREA FIZICO-CHIMICĂ ȘI MICROBIOLOGICĂ A APEI DE LAVANDĂ OBȚINUTĂ CA PRODUS SECUNDAR, DIN ULEIUL VOLATIL DE LAVANDĂ (Lavandula angustifolia L)</b> Assoc. Prof. Ph.D. Ch. Popescu C. <sup>2,3</sup> , Ph.D. Stud. Biol. Pruteanu A. <sup>1</sup> , Ph.D. Stud. Eng. Cujbescu D. <sup>1</sup> , Eng. Grigore I. <sup>1</sup> , Ph.D. Stud. Eng. Matache M. <sup>1</sup> , Ph.D. Stud. Eng. Voicea I. <sup>1</sup> , PhD. Eng. Vi du V. <sup>1</sup> , PhD. Eng. Marin E. <sup>1</sup> , <b>PhD. Ph. Popescu C.<sup>4</sup></b> <sup>1</sup> INMA Bucharest / Romania; <sup>2</sup> S.C. HOFIGAL Export Import S.A./ Romania; <sup>3</sup> Faculty of Medicine, Pharmacy and Medical Dentistry, "Vasile Goldi" Western University, Arad / Romania; <sup>4</sup> INENERGY Constanta / Romania E-mail: carmen_popescu@hofigal.eu	14 <sup>20</sup> -14 <sup>25</sup>
<b>THE EXPERIMENTAL RESEARCH ON WORK PROCESS OF FODDER MACHINE / CERCETĂRI EXPERIMENTALE ASUPRA PROCESELOR DE LUCRU ALE MAȘINILOR DE DISTRIBUIT FURAJE</b> Ph.D. Eng. Nedelcu A., Ph.D. Eng. Ciuperca R., Ph.D. Eng. Popa L., Ph.D.Stud. Eng. Stefan V., Ph.D.Stud. Eng. Zaica A., Ph.D.Stud. Eng. Lazar G., Ph.D.Stud. Eng. Petcu A. INMA Bucharest / Romania E-mail: nedelcuus@yahoo.com	14 <sup>25</sup> -14 <sup>30</sup>	<b>CONSIDERATIONS ON PRODUCING ESSENTIAL OIL OF LAVENDER (LAVANDULA ANGUSTIFOLIA MILL.) IN AN EXTRACTION PLANT, BY ENTRAINMENT WITH STEAM / CONSIDERAȚII PRIVIND OBTINEREA ULEIULUI VOLATIL DE LAVANDĂ (LAVANDULA ANGUSTIFOLIA MILL.), ÎNTR-O ÎNSTALĂȚIE DE EXTRACȚIE PRIN ANTRENARE CU ABUR</b> Eng. Gheanu G. <sup>1</sup> , Ph.D. Eng. Marin E. <sup>1</sup> , Eng. Gheanu I. <sup>1</sup> , Ph.D. Eng. Gheanu P. <sup>1</sup> , Popescu C. <sup>2</sup> <sup>1</sup> INMA Bucharest / Romania; <sup>2</sup> S.C. HOFIGAL Export Import S.A./ Romania E-mail: geta_gageanu@yahoo.com	14 <sup>25</sup> -14 <sup>30</sup>
<b>STRUCTURAL STATICAL ANALYSIS OF WORKING BODIES OF AGRICULTURAL CULTIVATORS / ANALIZĂ STATICĂ STRUCTURALĂ A ORGANELOR DE LUCRU ALE CULTIVĂTOARELOR AGRICOLE</b> Prof. Ph.D. Eng. Biri S. t. <sup>1</sup> , Assoc.Prof. Ph.D. Eng. Maican E. <sup>1</sup> , Ph.D. Eng. Marin E. <sup>2</sup> , Assoc.Prof. Ph.D. Eng. Ungurescu S. <sup>3</sup> , Ph.D. Eng. Vi du V. <sup>2</sup> , Lect. Ph.D. Eng. Ungureanu N. <sup>1</sup> , Ph.D. Stud. Vi du D.I. <sup>1</sup> , Assoc. Prof. Ph.D. Eng. Atanasov A.t. <sup>4</sup> <sup>1</sup> University "POLITEHNICA" Bucharest, Faculty of Biotechnical Systems Engineering / Romania; <sup>2</sup> INMA Bucharest / Romania; <sup>3</sup> USAMVB Timișoara / Romania; <sup>4</sup> University of Russe / Romania E-mail: biris.sorinstefan@gmail.com	14 <sup>30</sup> -14 <sup>35</sup>	<b>BASIC EQUIPMENT FOR THE MECHANICAL TREATMENT OF WASTEWATER / ECHIPAMENTE DE BAZĂ PENTRU TRATAREA MECANICĂ A APEI UZATE</b> PhD. Stud. Eng. Zăbav B., Prof. Ph.D. Eng. Voicu Gh., Assist. Prof. Ph.D. Eng. Ungureanu N., Lect. Ph.D. Eng. Dincă M., Lect. Ph.D. Eng. Saftă V.V. University POLITEHNICA Bucharest / Romania E-mail: bianca.dragoiu@yahoo.com	14 <sup>30</sup> -14 <sup>35</sup>
<b>MANAGEMENT OF THE STEEL INDUSTRY IN SUSTAINABLE DEVELOPMENT CONTEXT / MANAGEMENTUL INDUSTRIEI OELULUI ÎN CONTEXTUL DEZVOLTĂRII DURABILE</b> Ph.D.Eng. Pandia O. <sup>1</sup> , Ph.D.Hab.Eng. Sorcin I. <sup>2</sup> , Ph.D.Eng. Dobrot G. <sup>3</sup> , Ph.D.Eng. Ganea-Christu I. <sup>4</sup> , Ph.D.Eng. Marin G. <sup>5</sup> <sup>1</sup> University of Agricultural Sciences and Veterinary Medicine Bucharest/Romania, University of Craiova / Romania; <sup>3</sup> University of Târgu Jiu "Constantin Brancuși" / Romania; <sup>4</sup> INMA Bucharest / Romania; <sup>5</sup> University POLITEHNICA of Bucharest / Romania E-mail: olimpia_pandia@yahoo.com	14 <sup>35</sup> -14 <sup>40</sup>	<b>OPTIMIZING THE OPERATION OF EQUIPMENT FOR MECHANICAL FILTRATION THROUGH PARTIAL SEPARATION OF SOLIDS USING A SLUDGE DECANTER / OPTIMIZAREA FUNCȚIONĂRII ECHIPAMENTELOR DE FILTRARE MECANICĂ PRIN SEPARAREA PARȚIALĂ A SOLIDELOR UTILIZĂND UN DECANTER DE NĂMOLE</b> PhD. Stud. Eng. Andrei S., PhD. Stud. Eng. Laza E., PhD. Eng. Pop A., PhD. Stud. Eng. Matache M., PhD. Eng. Marin E., Eng. Marian M. INMA Bucharest / Romania E-mail: andrei_sg85@yahoo.com	14 <sup>35</sup> -14 <sup>40</sup>
<b>STABILITY ANALYSIS OF THE AGRICULTURAL ARTICULATED VEHICLE BASED ON INTERVAL METHOD / 基于区间数学法的农业联合车的稳定性分析</b> Ph.D. Wei Kou <sup>1,2</sup> , Prof. Xinhui Liu <sup>1,2</sup> , Ph.D. Wei Chen <sup>1,2</sup> <sup>1</sup> College of Mechanical Science and Engineering, Jilin University, Jilin/China; <sup>2</sup> China State Key Laboratory of Automobile Simulation and Control, Jilin University, Jilin/China E-mail: rudong1415@163.com	14 <sup>40</sup> -14 <sup>45</sup>	<b>STUDY ON FIELD WATER-SALT BALANCE SIMULATION USING SWAP MODEL: A CASE STUDY OF FARMLAND IN THE CENTRAL SHAANXI PLAIN / 基于SWAP的田间水盐平衡模拟研究——以关中农田为例</b> M.S. Liang Dong <sup>1</sup> , Ph.D. Quan Quan <sup>**1</sup> , Prof. Ph.D. Bing Shen <sup>1</sup> , Prof. Ph.D. Wan Luo <sup>2</sup> , Ph.D. Qinger Jung <sup>3</sup> <sup>1</sup> State Key Laboratory Base of Eco-hydraulic Engineering in Arid Area, Xi'an University of Technology, Xi'an / China; <sup>2</sup> Yangzhou University, Yangzhou / China <sup>3</sup> Technological Center of Modern Agricultural Production in SEIR Co.Ltd., Oviedo, Spain Email: qq@xaut.edu.cn	14 <sup>40</sup> -14 <sup>45</sup>
<b>INNOVATIVE TECHNOLOGY FOR WORKS MECHANIZATION OF MODELING AND DIRECT SEEDING IN FIELD FOR ONION CROP / TEHNOLOGIE INOVATIVE PENTRU MECANIZAREA LUCRĂRIILOR DE MODELAT ȘI SEMĂNȚĂRI DIRECTE ÎN CÂMP A CULTURII DE CEAPĂ</b> Ph.D. Eng. Mateescu M. <sup>1</sup> , Ph.D. Eng. Marin E. <sup>1</sup> , Ph.D. Eng. P un A. <sup>1</sup> , Ph.D. Eng. Manea D. <sup>1</sup> , Eng. Gheorghe G. <sup>1</sup> , Ph.D. Eng. Neacșu F. <sup>2</sup> <sup>1</sup> INMA Bucharest / Romania; <sup>2</sup> NHR AGROPARTNERS / Romania E-mail: marinematateescu@yahoo.com	14 <sup>45</sup> -14 <sup>50</sup>	<b>EFFECTS OF LIQUID FILM MULCHING ON SOIL EVAPORATION AND COTTON PLANT GROWTH BY DRIP IRRIGATION / 液体地膜覆盖对滴灌棉花土壤蒸发和作物生长的影响</b> M.E.Yunguang Li <sup>1,2</sup> , Ph.D.Jinzhong Zhang <sup>1,2</sup> , Ph.D.Zhenhua Wang <sup>1,2</sup> , M.E.Wenhao Li <sup>1,2</sup> , Ph.D.Haoliang Yu <sup>3</sup> , <sup>1</sup> College of Water Resources and Architectural Engineering, Shihezi University, Shihezi / China; <sup>2</sup> Corps Key Laboratory of Modern Water-saving Irrigation, Shihezi University, Shihezi / China; <sup>3</sup> Massey University, Palmerston North University/ New Zealand E-mail: xjshzzjz@sina.cn	14 <sup>45</sup> -14 <sup>50</sup>

<p align="center"><b>FUEL SYSTEM OF THE TRACTOR DIESEL WITH MULTISTAGE HEATING /</b> <b>D.Eng.Sc.Prof. Kuznetsov Y.A., PhD. Eng.Sc., As.prof. Ryzhov Y.N., PhD. Eng.Sc., As. prof. Mikhaylov M.R., PhD. Plilol.Sc., As. prof. Mikhaylova Y.L., As.lect. Kurochkin A.A.</b> Faculty of Agrotechnics and Energy Supply, Orel State Agrarian University (OSAU), Orel, the Russian Federation <i>E-mail: kentury@rambler.ru</i></p>	14 <sup>50</sup> -14 <sup>55</sup>	<p align="center"><b>AUTOMOBILE TRACTORIZATION, AMERICAN CONCEPT APPLICABLE TO EASTERN EUROPEAN AGRICULTURE / TRACTORIZARE DE AUTOMOBILE, CONCEPT AMERICAN APLICABIL AGRICULTURII DIN ESTUL EUROPEI</b> <b>Simionescu P.A.<sup>1</sup>, Lumkes Jr. John H.<sup>2</sup>, Austin W.<sup>3</sup></b> <sup>1</sup>Texas A&amp;M University Corpus Christi, Corpus Christi, Texas, USA, <sup>2</sup>Purdue University, West Lafayette, Indiana, USA, <sup>3</sup>Institute for Affordable Transportation, Indianapolis, Indiana, USA <i>E-mail: pa.simionescu@tamucc.edu</i></p>	14 <sup>50</sup> -14 <sup>55</sup>
<p align="center"><b>DEFINITION OF PERFORMANCES OF CONVEYOR POTATO-PLANTER APPARATUS WITH PINNING DEVICES /</b> <b>Ph.D. Stud. Kozelko Y., Ph.D. Eng. Usenko M.</b> Lutsk National Technical University / Ukraine; <i>E-mail: rector@lutsk-ntu.com.ua</i></p>	14 <sup>55</sup> -15 <sup>00</sup>	<p align="center"><b>FLOW FIELD SIMULATION AND ANALYSIS OF BAG FILTER FOR AGRICULTURE SEWAGE</b> <b>Feng Zi-Ming, Fang Xin, Li Qi, Ding Huan-Huan</b> School of Mechanical Science and Engineering, Northeast Petroleum University / China <i>E-mail: xueyuanfzm@163.com</i></p>	14 <sup>55</sup> -15 <sup>00</sup>
<p align="center"><b>OPTIMIZING A PNEUMATIC EQUIPMENT FOR SOWING VEGETABLE SEEDS IN ALVEOLI ON NOURISHING LAYER / OPTIMIZAREA UNUI ECHIPAMENT PNEUMATIC DE SEM NAT SEMIN E LEGUMICOLE ÎN T VI ALVEOLARE I STRAT NUTRITIV</b> <b>Ph.D. Eng. Vi an A.L., Eng. Bogdanof C.G., Eng. Milea D.</b> INMA Bucharest / Romania <i>E-mail: alexandrion1982@yahoo.com</i></p>	15 <sup>00</sup> -15 <sup>05</sup>	<p align="center"><b>USING AGRICULTURAL PLANTS IN ORDER TO ACCESS TOXICITY OF CHEMICAL POLLUTANTS TO CONTROL POLLUTION OF THE ENVIRONMENT: INFORMATIONAL BIOTECHNOLOGY /</b> <b>Dr. Ostroumov S.A., Dr. Kotelevtsev S.V.</b> Lomonosov Moscow State University, Faculty of Biology - Laboratory of Physico-Chemistry of Biomembranes, Moscow / Russian Federation <i>E-mail: ar55@yandex.ru</i></p>	15 <sup>00</sup> -15 <sup>05</sup>
<p align="center"><b>CONSIDERATII ASUPRA COMPONENTELE SISTEMULUI DE SUSPENSIE AL TRACTOARELOR AGRICOLE / CONSIDERATIONS ON THE SUSPENSION SYSTEM COMPONENTS OF AGRICULTURAL TRACTORS</b> <b>Lect. PhD. Eng. Dutu I.C.<sup>1</sup>, Lect. PhD. Eng. Dutu M.FI.<sup>1</sup>, Prof. PhD. Eng. Biris S.St.<sup>1</sup>, Prof. PhD. Ganatsios S.<sup>2</sup></b> <sup>1</sup>University POLITEHNICA Bucharest / Romania; <sup>2</sup> Technical Educational Institution of West Macedonia / Greece <i>E-mail: iulian.dutu23@gmail.com</i></p>	15 <sup>05</sup> -15 <sup>10</sup>	<p align="center"><b>METHODS OF MEASUREMENT THE CONCENTRATIONS OF GASEOUS USED IN ENVIRONMENTAL QUALITY ASSESSMENT / METODE DE M SURARE A CONCENTRA IILOR DE GAZE UTILIZATE ÎN EVALUAREA CALIT II MEDIULUI</b> <b>PhD.Eng. C I mar A., PhD.Eng. G man G.A., PhD.Eng. Pup zan D., PhD.Eng. Simion S.</b> National Institute for Research and Development in Mine Safety and Protection to Explosion – INSEMEX Petro ani / Romania <i>E-mail: angela.calamar@insemex.ro</i></p>	15 <sup>05</sup> -15 <sup>10</sup>
<p align="center"><b>INVESTIGATING THE FORCE PARAMETERS OF FORMING THE SCREW PURIFYING ELEMENTS /</b> <b>Prof. Ph.D. Eng. Hevko Iv.B., Prof. Ph.D. Eng. Dychun A.Y. Eng. Gypka A.B.</b> Ternopil Ivan Pul'uj National Technical University, Ruska Str., 56, Ternopil, Ukraine <i>E-mail: gypkab@gmail.com</i></p>	15 <sup>10</sup> -15 <sup>15</sup>	<p align="center"><b>PRELIMINARY XRD AND IR INVESTIGATION OF SOME STARCH BASED BIODEGRADABLE SYSTEMS / INVESTIGAREA PRELIMINAR XRD I IR A UNOR SISTEME BIODEGRADABILE PE BAZ DE AMIDON</b> <b>Todica M.<sup>1</sup>, Cioica N.<sup>2</sup>, Olar L.E.<sup>3</sup>, Co a C.<sup>2</sup>, Marin E.<sup>2</sup>, Nagy E.M.<sup>2</sup>*</b> <sup>1</sup>Babes-Bolyai University, Faculty of Physic Cluj-Napoca / Romania; <sup>2</sup>INMA Bucharest, Branch Cluj-Napoca / Romania <sup>3</sup>USAMV Cluj-Napoca, Departments: I Preclinic and III Paraclinic / Romania <i>E-mail: nagy@inma.ro</i></p>	15 <sup>10</sup> -15 <sup>15</sup>
<p align="center"><b>THE STUDY OF BULK MATERIAL KINEMATICS IN A SCREW CONVEYOR-MIXER /</b> <b>Hewko B.M., Popovich P.V., Diachun A.Y., Lyashuk O.L., Liubachivskiy R.O.</b> Ternopil Ivan Pul'uj National Technical University, Ruska str., 56, Ternopil, Ukraine <i>E-mail: Oleg-lashyk@rambler.ru</i></p>	15 <sup>15</sup> -15 <sup>20</sup>	<p align="center"><b>INFLUENCE OF DIFFERENT TYPES OF SUBSTRATE ON THE ANAEROBE FERMENTATION PROCESS INFLUEN A DIFERITELOR TIPURI DE SUBSTRATURI ÎN PROCESUL DE FERMENTARE ANAEROB</b> <b>PhD. Eng. Moiceanu G.<sup>1</sup>, Prof. PhD. Eng. Voicu Gh.<sup>1</sup>, Lect. PhD. Eng. Dinc M.<sup>1</sup>, Assoc. Prof. Prof. PhD. Eng. Ferde M.<sup>1</sup>, Prof. PhD. Eng. Paraschiv G.<sup>1</sup>, PhD. Eng. Vi du V.<sup>2</sup>, Assis. Prof. PhD. Eng. Toma L.<sup>1</sup></b> <sup>1</sup>University POLITEHNICA Bucharest / Romania; <sup>2</sup>INMA Bucharest / Romania <i>E-mail: moiceanugeorgiana@gmail.com</i></p>	15 <sup>15</sup> -15 <sup>20</sup>
<p align="center"><b>MODELAREA AGREGATULUI TRACTOR - MASINA SEMIPURTATA / THE MODEL OF THE AGGREGATE TRACTOR - SEMITOWED MACHINE</b> <b>Lect. PhD. Eng. Dutu M.FI., Lect. PhD. Eng. Dutu I.C., Assoc. Prof. PhD. Eng. Begea M., Prof. PhD. Eng. David.L., PhD. Stud. Eng. Eng. David A.I.D.</b> University POLITEHNICA Bucharest / Romania <i>E-mail: dutumihaelaflorentina@gmail.com</i></p>	15 <sup>20</sup> -15 <sup>25</sup>	<p align="center"><b>BIOGAS PRODUCTION FROM ANAEROBIC CO-DIGESTION OF COW MANURE AND LEAVES OF MISCANTHUS X GIGANTEUS / PRODUC IA DE BIOGAZ DIN DIGESTIA ANAEROBA A DEJEC IILOR DE BOVINE I FRUNZE DE MISCANTHUS X GIGANTEUS</b> <b>Lect. PhD. Eng. Dinc M.<sup>1</sup>, Prof. PhD. Eng. Voicu Gh.<sup>1</sup>, As. PhD. Eng. Toma L.<sup>1</sup>, Prof. PhD. Ferde M.<sup>1</sup>, PhD. Stud. Eng. Voicea I.<sup>1</sup>, As. PhD. Eng. Ungureanu N.<sup>1</sup>, Prof. PhD. Eng. Paraschiv G.<sup>1</sup>, PhD. Eng. Moiceanu G.<sup>1</sup>, PhD. Eng. Vi du V.<sup>1</sup></b> <sup>1</sup>University POLITEHNICA Bucharest / Romania; <sup>2</sup>INMA Bucharest / Romania <i>E-mail: mirela_dilea@yahoo.com</i></p>	15 <sup>20</sup> -15 <sup>25</sup>
<p align="center"><b>CONSIDERATIONS ON THE USE OF ECODESIGN ELEMENTS IN THE CONSTRUCTION OF AGRICULTURAL MACHINERY / CONSIDERA II PRIVIND UTILIZAREA UNOR ELEMENTE DE ECODESIGN ÎN CONSTRUC IA MA INILOR AGRICOLE</b> <b>PhD. Eng. Ganea-Christu I<sup>1</sup>, PhD. Eng. Br c cescu C.<sup>1</sup>, Eng. Gheorghe G.<sup>1</sup>, PhD. Stud. arch. Ganea-Christu I.<sup>2</sup>, PhD. Eng. Neac u F.<sup>3</sup>, Eng. Marian M.<sup>1</sup>, Assist. Prof. Dr. Selvi K.C.<sup>4</sup></b> <sup>1</sup>INMA Bucharest / Romania; <sup>2</sup>University of Architecture Bucharest / Romania; <sup>3</sup>NHR AGROPARTNERS / Romania; <sup>4</sup>Ondokuz Mayıs University, Samsun / Turkey <i>E-mail: ganea007@yahoo.com</i></p>	15 <sup>25</sup> -15 <sup>30</sup>	<p align="center"><b>PHYSICAL-CHEMICAL CHARACTERIZATION OF THE LAVENDER ESSENTIAL OIL RESULTED BY DISTILLATION (FROM INDIGENOUS RAW MATERIAL) CARACTERIZAREA FIZICO-CHIMIC A ULEIULUI ESEN IAL DE LAVAND OB INUT PRIN DISTILARE (DIN MATERIE PRIM AUTOHTON )</b> <b>Assoc. Prof. PhD. Ch. Popescu C.<sup>1,2</sup>, PhD. Eng. Vi du V.<sup>3</sup>, Eng. G geanu G.<sup>3</sup>, PhD. Stud. Eng. Voicea I.<sup>3</sup>, PhD. Stud. Eng. Matache M.<sup>3</sup>, PhD. Stud. Eng. Cujbescu D.<sup>3</sup>, <b>PhD. Ph. Popescu Candice<sup>4</sup></b>, PhD. Eng. Marin E.<sup>3</sup></b> <sup>1</sup>S.C. HOFIGAL Export Import S.A. / Romania; <sup>2</sup> Faculty of Medicine, Pharmacy and Medical Dentistry, "Vasile Goldi " Western University, Arad / Romania; <sup>3</sup>INMA Bucharest / Romania; <sup>4</sup>INNERGY Constanta / Romania <i>E-mail: carmen_popescu@hofigal.eu</i></p>	15 <sup>25</sup> -15 <sup>30</sup>
<p align="center"><b>PROPOSALS FOR IMPROVING THE PROCESS OF SEED DISTRIBUTION / PROPUNERI PENTRU ÎMBUN T IREA PROCESULUI DE DISTRIBU IE A SEMIN ELOR</b> <b>Prof. PhD. Eng. S r cin I.<sup>1</sup>, Assoc. Prof. PhD. Eng. Pandia O.<sup>2</sup>, Assoc. Prof. PhD. Eng. Gheorghe M.<sup>3</sup>, PhD. Stud. Eng. Iordache V.<sup>1</sup>, PhD. Eng. Ganea-Christu I.<sup>4</sup></b> <sup>1</sup>University of Craiova / Romania; <sup>2</sup>USAMV Bucharest / Romania; <sup>3</sup>University POLITEHNICA Bucharest / Romania; <sup>4</sup>INMA Bucharest / Romania <i>E-mail: ion_saracin@yahoo.com</i></p>	15 <sup>30</sup> -15 <sup>40</sup>	<p align="center"><b>STUDY REGARDING THE CONSTRUCTION OF JCB FASTRAC TRACTOR - (FASTRAC - A DIFFERENT ... TRACTOR) STUDIU PRIVIND CONSTRUCTIA TRACTORULUI JCB FASTRAC - (FASTRAC, UN TRACTOR ... ALTFEL)</b> <b>PhD. Eng. Neac u F.</b> NHR AGROPARTENRS / Romania <i>E-mai: florin.neacsu@vait.ro</i></p>	15 <sup>30</sup> -15 <sup>40</sup>

**INTERNATIONAL SYMPOSIUM *ISB-INMA TEH* 30 October 2015**

<b>SECTION 3 - FOOD INDUSTRY - ORAL PRESENTATIONS</b> <b>Chairman:</b> Prof. Ph.D. Eng. VOICU Gh. / Lect. Ph.D. Eng. DU U.I. (P.U. Bucharest Library, Building A, 4 <sup>th</sup> floor, Hall 4.3) Assoc. Prof. Ph.D. Eng. WANGDAI-Chyi		<b>SECTION 4 – YOUNG PEOPLE - ORAL PRESENTATIONS</b> <b>Chairman:</b> Ph.D. Eng. VL DU V. / Assist.Prof.Dr. Selvi K.Ç (P.U. Bucharest Library, Building A, 4 <sup>th</sup> floor) Assoc. Prof. Ph.D. Eng. COVALIU C.	
<p align="center"><b>DEVELOPMENT ON DRIED YIELD RATE TESTER FOR RICE / 稻穀成品率測定儀之研發</b></p> <p align="center"><b>Assoc.Prof.Ph.D.Eng. WangDai-Chyi</b> De-Lin Institute of Technology, Mechanical Engineering Department / Taiwan <i>E-mail: dcwang@dlit.edu.tw</i></p>	9 <sup>15</sup> -9 <sup>35</sup>	<p><b>EMPLOYEES' ASSESSMENT OF KAIZEN IMPLEMENTATION IN INDUSTRIAL ENTERPRISE – RESULTS OF EMPIRICAL RESEARCH /OCENA WDRO ENIA PROGRAMU KAIZEN W OPINII PRACOWNIKÓW ZAKŁADU PRZEMYSŁOWEGO - REZULTATY BADA EMPIRYCZNYCH</b></p> <p align="center"><b>Assoc. Prof. Ph.D. Kara E.<sup>1)</sup>, Assoc. Prof. Ph.D. mieta ski R.<sup>1)</sup>, Assoc. Prof. Ph.D. Cilan T.<sup>2)</sup></b> <sup>1)</sup>Opole University of Technology, Faculty of Economics and Management / Poland <sup>2)</sup>"Aurel Vlaicu" University of Arad, Faculty of Economic Sciences / Romania <i>E-mail: ela.karas@gazeta.pl</i></p>	9 <sup>15</sup> -9 <sup>35</sup>
<p align="center"><b>MATHEMATICAL MODELING OF THE KNEADING PROCESS FOR A HORIZONTAL MIXER /MODELAREA MATEMATIC A PROCESULUI DE FR MÂNTARE LA UN MALAXOR ORIZONTAL.</b></p> <p align="center"><b>Prof. Ph.D. Eng. Voicu Gh., Eng. Muscalu Gh., Lect. Ph.D. Eng. tefan E.M., Lect. Ph.D. Eng. Tudor P.</b> University POLITEHNICA Bucharest, Faculty of Biotechnical Systems Engineering / Romania <i>E-mail: ghvoicu_2005@yahoo.com</i></p>	9 <sup>35</sup> -9 <sup>55</sup>	<p align="center"><b>APPLYING CRITICAL PATH METHOD (CPM) IN PLANNING OF TRACTOR ENGINES REPAIRING / APLICAREA METODEI DRUMULUI CRITIC (CPM) ÎN PLANIFICAREA REPAR RII MOTOARELOR DE TRACTOR</b></p> <p align="center"><b>Lect. Ph.D. Eng. Tudor P., Prof. Ph.D. Eng. Voicu Gh., Assoc. Prof. Ph.D. Eng. David O., Ph.D. Manole B., Lect. Ph.D. Eng. Dinca M.</b> University POLITEHNICA Bucharest / Romania <i>E-mail: paulavoicu85@yahoo.com</i></p>	9 <sup>35</sup> -9 <sup>55</sup>
<p align="center"><b>ENERGY EFFICIENT TECHNOLOGIES FOR LIGNOCELLULOSIC ETHANOL PRODUCTION / TEHNOLOGII EFICIENTE ENERGETIC PENTRU PRODUCEREA ETANOLULUI DIN BIOMAS LIGNOCELULOZIC</b></p> <p align="center"><b>Assoc. Prof. Ph.D. Eng. Maican E.<sup>1)</sup>, Prof. Ph.D. Teixeira J.A.<sup>2)</sup>, Assoc. Prof. Ph.D. Ferde M.<sup>1)</sup>, Assoc. Prof. Ph.D. Eng. Coz A.<sup>3)</sup></b> <sup>1)</sup>Politehnica University of Bucharest, Faculty of Biotechnical Systems Engineering / Romania <sup>2)</sup>CEB - Centre of Biological Engineering, University of Minho / Portugal <sup>3)</sup>Universidad de Cantabria, Green Engineering and Resources Research Group / Spain. <i>E-mail: edmond.maican@upb.ro</i></p>	9 <sup>55</sup> -10 <sup>15</sup>	<p align="center"><b>EVALUATION OF THE DEGREE OF SOIL COMPACTION BY PENETROMETER TESTS / EVALUAREA GRADULUI DE COMPACTARE A SOLULUI PRIN TESTE DE PENETROMETRIE</b></p> <p align="center"><b>Assist. Prof. Ph.D. Eng. Ungureanu N.<sup>1)</sup>, Ph.D. Eng. Vi du V.<sup>2)</sup>, Prof. Ph.D. Eng. Voicu Gh.<sup>1)</sup>, Prof. Ph.D. Eng. Biri S. t.<sup>1)</sup>, Lect. Ph.D. Eng. Dinc M.<sup>1)</sup>, Assist. Prof. Ph.D. Eng. Ionescu M.<sup>1)</sup>, Ph.D. Stud. Eng. Cujbescu D.<sup>2)</sup>, Ph.D. Stud. Eng. Persu C.<sup>2)</sup>, Ph.D. Stud. Eng. Laz r G.<sup>2)</sup></b> <sup>1)</sup>University Politehnica of Bucharest / Romania, <sup>2)</sup>INMA Bucharest / Romania <i>E-mail: nicoletaung@yahoo.com</i></p>	9 <sup>55</sup> -10 <sup>15</sup>
<p align="center"><b>DETERMINATION OF SOME MECHANICAL PROPERTIES OF SOYBEAN STALK RELATED WITH DESIGN PARAMETERS / SOYA SAPININ TASARIM PARAMETRES LE LG L BAZI MEKAN K ÖZELL KLER N N BELIRLENMESI</b></p> <p align="center"><b>Assist.Prof.Dr. Kaba Ö.<sup>1)</sup>, Assist.Prof.Dr. Selvi K.Ç.<sup>2)</sup>, Ph.D. Eng.VI dut V.<sup>3)</sup>, Assoc.Prof.Dr. Gürdil G.A.K.<sup>2)</sup>, Ress.Assist. Demirel B.<sup>2)</sup></b> <sup>1)</sup>Dept. Vocational School of Technical Science, Department of Machinery and Metal Technology, Akdeniz University, Antalya / Turkey; <sup>2)</sup>Dept. of Agricultural Machinery and Technologies Engineering, Agricultural Faculty, Ondokuz Mayıs University, Samsun / Turkey; <sup>3)</sup>INMA Bucharest / Romania <i>E-mail: okabas@akdeniz.edu.tr</i></p>	10 <sup>15</sup> -10 <sup>35</sup>	<p align="center"><b>INTELLIGENT HOEING EQUIPMENT BASED ON THE METHOD OF IMAGES RECOGNITION / METODA DE RECUNOASTERE A IMAGINILOR IN AGRICULTURA PENTRU CONTROLUL UNUI ECHIPAMENT INTELIGENT DE PRASIT</b></p> <p align="center"><b>Ph.D. Stud. Eng. Gheorghe G.<sup>1)</sup>, Ph.D. Stud. Eng. Matache M.<sup>1)</sup>, Ph.D. Eng. Manea D.<sup>1)</sup>, Ph.D. Stud. Eng. Voicea I.<sup>1)</sup>, Ph.D. Eng. Marin E.<sup>1)</sup>, Ph.D. Eng. VI dut V.<sup>1)</sup>, Prof. Ph.D. Eng. Voicu Gh.<sup>2)</sup>, Br c cescu C.<sup>1)</sup></b> <sup>1)</sup>INMA Bucharest / Romania; <sup>2)</sup>University POLITEHNICA Bucharest / Romania <i>E-mail: gabrielvalentinghe@yahoo.com</i></p>	10 <sup>15</sup> -10 <sup>35</sup>
<p align="center"><b>DETERMINATION OF SOME MECHANICAL PROPERTIES FOR OILSEEDS USING UNIAXIAL COMPRESSION TESTS / DETERMINAREA UNOR CARACTERISTICI MECANICE ALE SEMIN ELOR OLEAGINOASE UTILIZÂND TESTELE DE COMPRESIUNE UNIAXIAL</b></p> <p align="center"><b>Assist. Ph.D. Eng. Ionescu M., Prof. Ph.D. Eng. Voicu Gh., Prof. Ph.D. Eng. Biri S. t., Lect. Ph.D. Eng. tefan E.M., As. Ph.D. Eng. Ungureanu N., Lect. Ph.D. Eng. Dinc M.N.</b> University POLITEHNICA Bucharest / Romania <i>E-mail: maneamaryana@yahoo.com</i></p>	10 <sup>35</sup> -10 <sup>55</sup>	<p align="center"><b>THE ELASTICITY INFLUENCE OF SUSPENDING RODS ON CIRCULAR MOTION OF A PLANSIFTER FOR SIFTING MILL PRODUCTS / INFLUEN A ELASTICIT II TIJELOR DE SUSPENDARE ASUPRA MI C RII CIRCULARE A SITEI PLANE PENTRU CERNEREA PRODUSELOR DE M CINI</b></p> <p align="center"><b>Ph.D. Stud. Eng. Ivancu B., Prof. Ph.D. Eng. Voicu Gh., Prof. Ph.D. Eng. Ilie F.</b> University POLITEHNICA Bucharest / Romania <i>E-mail: ivancu_bogdan@yahoo.com</i></p>	10 <sup>35</sup> -10 <sup>55</sup>
<p align="center"><b>FLLING NUMBER VS. LIQUEFACTION NUMBER IN ALFA-AMYLASE ACTIVITY ESTIMATION FOR BAKERY FLOUR / INDICELE DE C DERE VS. INDICELE DE LICHEFIERE ÎN ESTIMAREA ACTIVIT ȚII ALFA-AMILAZICE DIN F INURILE DE PANIFICAȚIE</b></p> <p align="center"><b>Lect. Ph.D. Eng. tefan E.M., Prof. Ph.D. Eng. Voicu Gh., Lect. Ph.D. Eng. Constantin G.A. Assoc.Prof. Ph.D. Eng. Ferde M., Ass. Ph.D. Eng. Ionescu M.</b> University POLITEHNICA Bucharest, Faculty of Biotechnical Systems Engineering / Romania <i>E-mail: stefanelenamadalina@gmail.com</i></p>	11 <sup>10</sup> -11 <sup>30</sup>	<p align="center"><b>CONSIDERATIONS REGARDING THE CURRENT STATE OF COUPLING DEVICES EXISTING ON THE AGRICULTURAL TRACTORS / CONSIDERA II PRIVIND STADIUL ACTUAL AL DISPOZITIVELOR DE CUPLARE EXISTENTE PE TRACTOARELE AGRICOLE</b></p> <p align="center"><b>Ph.D. Stud. Mircea I.D.<sup>1)</sup>, Prof. Ph.D. Eng. David L.<sup>1)</sup>, Assoc. Prof. Ph.D. Eng. Dumitru I.<sup>2)</sup>, Ph.D. Eng. VI du V.<sup>3)</sup>, Ph.D. Eng. Marin E.<sup>3)</sup>, Ph.D. Eng. Popa L.<sup>3)</sup>, Ph.D. Stud. Eng. tefan V.<sup>3)</sup>, Ph.D. Eng. Fodorean G.<sup>4)</sup></b> <sup>1)</sup>University POLITEHNICA Bucharest / Romania; <sup>2)</sup>University of Craiova / Romania; <sup>3)</sup>INMA Bucharest / Romania; <sup>4)</sup>Technical University Cluj Napoca / Romania <i>E-mail: mircea.ionut@gmail.com</i></p>	11 <sup>10</sup> -11 <sup>30</sup>
<p align="center"><b>THE INTERDEPENDENCE BETWEEN THE MASS AND APPLES MAXIMUM DIAMETER OF THREE VARIETIES OF APPLES AND THE CORRELATION BETWEEN PARAMETERS COLLISIONS AND INJURIES / INTERDEPENDEN A DINTRE MASA I DIAMETRU MAXIM ÎN CAZUL A TREI SOIURI DE MERE I CORELAREA DINTRE PARAMETRII DE V T MARE I CIOCNIREA ACESTORA</b></p> <p align="center"><b>Lect. Ph.D. Eng. Stan G.C.</b> Bucharest National University of Arts, Design Department / Romania <i>E-mail: gaby_cata_ro@yahoo.com</i></p>	11 <sup>30</sup> -11 <sup>50</sup>	<p align="center"><b>THE STUDY OF SOME DEFINITORY CHARACTERISTICS FOR SPECIFIC PHENOMENA OF LUBRICATING PROCESS IN TRACTOR COMPRESSION IGNITION ENGINE / STUDIUL UNOR CARACTERISTICI DEFINITORII PENTRU FENOMENE SPECIFICE PROCESULUI DE UNGERE DIN MOTOARELE CU APRINDERE PRIN COMPRIIMARE ALE TRACTOARELOR</b></p> <p align="center"><b>Ph.D. Student Eng. Cri an M.-A., Lect. Ph.D. Eng. B Idean D.-L., Lect. Ph.D. Eng. Moldovanu D., Technical University Cluj Napoca / Romania <i>E-mail: Doru.Baldean@auto.utcluj.ro</i></b></p>	11 <sup>30</sup> -11 <sup>50</sup>
<p align="center"><b>COMPARATIVE STUDY ON PIGMENT BIOSYNTHESIS BY 4 MONASCUS MUTANT STRAINS IN SUBMERGED CULTURE ON MINIMAL MEDIUM / STUDIU COMPARATIV PRIVIND BIOSINTEZA DE PIGMENTI IN 4 TULPINI MUTANTE DE MONASCUS IN CULTURA SUBMERSA PE MEDIU MINIMAL</b></p> <p align="center"><b>Assoc.Prof. Ph.D. Ferdes M., Lect. Ph.D. Eng. Dinca M., Lect. Ph.D. Eng. Stefan M.</b> University "Politehnica" of Bucharest, Faculty of Biotechnical Systems Engineering / Romania <i>E-mail: marianaferdes@yahoo.com</i></p>	11 <sup>50</sup> -12 <sup>10</sup>	<p align="center"><b>CALORIFIC POWER - AN IMPORTANT PROPERTY OF WOOD BIOMASS PUTEREA CALORICA - O PROPRIETATE IMPORTANTA A BIOMASEI LEMNOASE</b></p> <p align="center"><b>As. Ph.D.Eng. Spirchez G.C., Ph.D. Eng. Pruna M., Prof. Ph.D. Eng. Lunguleasa A.</b> Transilvania University of Bra ov, Faculty of Wood Engineering / Romania <i>E-mail: cosmin.spirchez@unitbv.ro</i></p>	11 <sup>50</sup> -12 <sup>10</sup>



<b>SECTION 3 - FOOD INDUSTRY - POSTER PRESENTATIONS</b>		<b>SECTION 4 – YOUNG PEOPLE - POSTER PRESENTATIONS</b>	
<b>Chairman:</b> Ph.D. Eng. P. UN A. / Ph.D. Eng. GANEA I. Lect. Ph.D. Eng. CONSTANTIN G.i	(P.U. Bucharest Library, Building A, 4 <sup>th</sup> floor Loby)	<b>Chairman:</b> Lect. Ph.D. Eng. DU U M.F. Lect. Ph.D. Eng. DINC M.	(P.U. Bucharest Library, Building A, 4 <sup>th</sup> floor Loby)
THEORETICAL CONTRIBUTIONS TO THE STUDY OF THE DYNAMICS OF ELECTROMAGNETICALLY DRIVEN VIBRATING SEPARATORS USED FOR THE PRIMARY PROCESSING OF CEREALS SEEDS / <i>CONTRIBU II TEORETICE LA STUDIUL DINAMICII SEPARATOARELOR VIBRATOARE ACTIONATE ELECTROMAGNETIC IN SCOPUL PRELUCRARII PRIMARE A SEMINTELOR DE CEREALE</i> PhD.Eng. Br c cescu C., PhD.Stud.Eng. G geanu I., Eng. Gheorghe G., PhD. Stud. Pruteanu A., PhD. Stud. Eng. Voicea I., Ph.D. Eng. Ganea-Christu I., Eng. Marian M. INMA Bucharest / Romania E-mail: carmenbraca@yahoo.com	12 <sup>10</sup> -12 <sup>30</sup>	THE ECOLOGICAL DESIGN OF A 3 IN 1 ELECTRICAL HOUSEHOLD APPLIANCES: MICROWAVE, TOASTER AND SANDWICH TOASTER / <i>DESIGN ECOLOGIC AL APARATULUI ELECTROCASNIC 3 IN 1: CUPTOR CU MICROUNDE, PR JITOR DE PÂINE I SANDWICH MAKER</i> Lect. Ph.D. Eng. Avramescu A.M. University POLITEHNICA Bucharest, Faculty of Aerospace Engineering / Romania, E-mail: avr_ana@yahoo.com	12 <sup>10</sup> -12 <sup>25</sup>
FRUIT PROCESSING TECHNOLOGY BELONGING TO THE GROUP DRUPACEELOR FRUIT TREE AND FAMILY FARMS WITHIN POMACEELOR / <i>TEHNOLOGII DE PRELUCRARE A FRUCTELOR APARTINAND GRUPEI DRUPACEELOR SI POMACEELOR IN CADRUL FERMELOR POMICOLE FAMILIALE</i> Ph.D. Eng. P un A., Ph.D. Eng. Marin E., Eng. Ionit Gh., Ph.D. Stud.Eng. tefan V., Eng. Epure M. INMA Bucharest / Romania, E-mail: ani_paun@yahoo.com	12 <sup>25</sup> -12 <sup>40</sup>	THE SMART DESIGN OF AN ELECTRICAL HOUSEHOLD APPLIANCES – IRON / <i>DESIGN INTELIGENT AL APARATULUI ELECTROCASNIC – FIER DE C LCAT</i> Lect. Ph.D. Eng. Avramescu A.M. University Polytechnic Bucharest, Faculty of Aerospace Engineering / Romania, E-mail: avr_ana@yahoo.com	12 <sup>25</sup> -12 <sup>40</sup>
STUDIES AND RESEARCH REGARDING THE PROCESS OF HERBS DRYING TECHNOLOGY / <i>STUDII I CERCET RI REFERITOARE LA PROCEDEUL TEHNOLOGIC DE USCARE A PLANTELOR MEDICINALE</i> PhD. Stud. Eng. Laza E., PhD. Stud. Eng. Andrei S., PhD. Eng. Pop A., PhD. Stud. Eng. Matache M., Ph.D. Eng. Marin E., Eng. Marian M. INMA Bucharest / Romania E-mail: eveline_anda@yahoo.com	12 <sup>40</sup> -12 <sup>55</sup>	NEW TRENDS CONCERNING THE MAINTENANCE OF CROPS THROUGH UNCONVENTIONAL METHODS / <i>TENDIN E NOI PRIVIND ÎNTRE INEREA CULTURILOR AGRICOLE PRIN METODE NECONVENTIONALE</i> Ph.D. Stud. Eng. Gheorghe G., Ph.D. Eng. Mateescu M., Ph.D. Eng. P un A., Ph.D. Eng. Marin E., Ph.D. Stud. Eng. Matache M., Ph.D. Eng. Br c cescu C. INMA Bucharest / Romania E-mail: gabrielvalentinghe@yahoo.com	12 <sup>40</sup> -12 <sup>55</sup>
OPTIMIZATION DESIGN OF FRUIT PINKING END-EFFECTOR BASED ON ITS GRASPING MODEL / <i>基于抓取模型的水果采摘末端执行器优化设计</i> Assoc. Prof. Ms. Lin Hanhui <sup>1)</sup> , Assoc. Prof. Ph.D. Cai Ken <sup>2)</sup> , Assoc. Prof. Ph.D. Chen Huazhou <sup>3)</sup> , Eng. Zeng Zhaofeng <sup>4)</sup> <sup>1)</sup> Center for Educational Technology, Guangdong University of Finance and Economics, Guangzhou / China; <sup>2)</sup> School of Information Science and Technology, Zhongkai University of Agriculture and Engineering, Guangzhou / China; <sup>3)</sup> College of Science, Guilin University of Technology, Guilin / China; <sup>4)</sup> Department of Mathematics and Computer Science, California State University, East Bay / U.S.A Email: icken@126.com	12 <sup>55</sup> -13 <sup>10</sup>	CONSIDERATION ON SPREADER EQUIPMENT DESIGN FOR MANURE LAND APPLICATION / <i>CONSIDERATII PRIVIND CONSTRUCTIA APARATELOR DE DISTRIBUTIE A INGRASAMINTELOR ORGANICE SOLIDE</i> PhD.Stud.Eng.Stefan (Popa) V., PhD.Stud.Eng. Petcu A., PhD.Stud.Eng. Zaica A , PhD.Stud.Eng.Lazar G., Ph.D. Eng. Ciuperca R., Ph.D. Eng. Nedelcu A. INMA Bucharest / Romania; E-mail: valle_vali@yahoo.com	12 <sup>55</sup> -13 <sup>10</sup>
ELECTROMAGNETIC MONITORING OF GROWTH AND FRUCTIFICATION OF SOME VARIETIES OF APPLE IN THE ORCHARD / <i>MONITORIZAREA ELECTROMAGNETIC A CRE TERII I FRUCTIFIC RII UNOR SOIURI DE M R ÎN LIVAD</i> PhD. Eng. Ganea-Christu I. <sup>1)</sup> , Ph.D. Eng. Velcea M. <sup>2)</sup> , Ph.D.Stud.Eng. Laz r G. <sup>1)</sup> , Ph.D. Eng. Br c cescu C. <sup>1)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> University of Agricultural Sciences and Veterinary Medicine Bucharest / Romania E-mail: ganea007@yahoo.com; marian.nicolae.velcea@gmail.com	13 <sup>10</sup> -13 <sup>25</sup>	CONSIDERATIONS ON THE IMPORTANCE OF SOY CROPS IN HUMAN AND ANIMAL NUTRITION / <i>CONSIDERATII PRIVIND IMPORTANTA CULTURII DE SOIA IN HRANA OAMENILOR SI ANIMALELOR</i> Eng.agr. Mircea C. <sup>1)</sup> , Ph.D. Eng. Cerempei V. <sup>2)</sup> , Ph.D. Eng. Marin E. <sup>1)</sup> , Ph.D. Eng. Popa L. <sup>1)</sup> , Ph.D. Eng. Nedelcu A. <sup>1)</sup> , Ph.D. Eng. Ciuperca R. <sup>1)</sup> , Ph.D. Stud. ENG. tefan V. <sup>1)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> Institute of Agricultural Machinery „Mecagro”, Chisinau / Moldova E-mail: costinmircea@yahoo.com	13 <sup>10</sup> -13 <sup>25</sup>
OPTIMIZATION OF ENERGY CONSUMPTION BY MIXING LIQUIDS USED IN THE FOOD INDUSTRY / <i>OPTIMIZAREA CONSUMULUI ENERGETIC LA MALAXAREA UNOR LICHIDE UTILIZATE IN INDUSTRIA ALIMENTAR</i> Prof. Ph.D. Eng. Csatos C. Transilvania University of Brasov / Romania E-mail: csk@unitbv.ro	13 <sup>25</sup> -13 <sup>40</sup>	THE IMPORTANCE OF USING RENEWABLE ENERGY IN THE FORM OF BIOMASS / <i>IMPORTAN A UTILIZ RII ENERGIEI REGENERABILE SUB FORM DE BIOMAS</i> PhD.Stud.Eng. G geanu I. <sup>1,2)</sup> , Prof.Ph.D.Eng. Voicu G. <sup>2)</sup> , Ph.D.Eng. Br c cescu C. <sup>1)</sup> , Ph.D. Stud. Eng. tefan V. <sup>1)</sup> , Ph.D. Eng. elazi ski T. <sup>3)</sup> , Ph.D. Eng. Marin E. <sup>1)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> University POLITEHNICA Bucharest / Romania; <sup>3)</sup> Warsaw University of Life Sciences / Poland E-mail: iuliadml@yahoo.com	13 <sup>25</sup> -13 <sup>40</sup>
EXPERIMENTAL RESEARCH OF SOYBEAN DRYING PROCESS INTENSIFICATION /  Ph.D.Eng. Kirchuk R., Ph.D.Eng. Tsiz I., Ph.D. Stud. Tsiz K. Lutsk National Technical University / Ukraine; E-mail: ruslan-mail@ukr.net; katrysik00@gmail.com	13 <sup>40</sup> -13 <sup>55</sup>	EXPERIMENTAL RESEARCH ON TIRES OF AGRICULTURAL EQUIPMENT FOR A RATIONAL USE / <i>CERCETAREA EXPERIMENTALA A PNEURILOR ECHIPAMENTELOR AGRICOLE ÎN VEDEREA UTILIZ RII RA IONALE</i> PhD.Stud. Eng. Laz r G., Ph.D. Eng. Ciuperca R., Ph.D. Eng. Nedelcu A., Ph.D.Stud. Eng. Zaica A., Ph.D. Eng. Popa L., Ph.D.Stud. Eng. Stefan V., Ph.D.Stud. Eng. Petcu A., Ph.D.Stud.Eng. Ungureanu N. INMA Bucharest / Romania; E-mail: lazar@inma.ro	13 <sup>40</sup> -13 <sup>55</sup>
EXPERIMENTAL RESEARCHES RESULTS OF GRAIN PNEUMATIC COLLECTOR WHICH IS KNOCKED OUT BY REEL BATS FROM EARS LAYER /  Ph.D. Eng. Shvedik M. Lutsk National Technical University / Ukraine E-mail: lab-amb@ukr.net	13 <sup>55</sup> -14 <sup>10</sup> Coffee break	RESEARCHES ON THE INFLUENCE OF ENVIRONMENTAL PARAMETERS ON THE PROCESS OF DRYING VOLUME FEED / <i>CERCET RI PRIVIND INFLUEN A PARAMETRILO R MEDIULUI ASUPRA PROCESULUI DE USCARE A FURAJELOR DE VOLUM</i> PhD.Stud.Eng. Zaica A., Ph.D. Eng. Nedelcu A., Ph.D. Eng. Ciuperca R., Ph.D. Eng. Popa L., Ph.D.Stud.Eng.Lazar G., Ph.D.Stud.Eng.Stefan (Popa) V., Ph.D.Stud. Eng. Petcu A., Ph.D.Stud.Eng. Zaica A.I. INMA Bucharest / Romania E-mail: acanpeanu@yahoo.com	13 <sup>55</sup> -14 <sup>10</sup> Coffee break
EXPERIMENTAL RESEARCHES ON THE PROCESS OF SORTING HYSSOP HERB ( <i>Hyssopus officinalis L.</i> ) / <i>CERCET RI EXPERIMENTALE PRIVIND PROCESUL DE SORTARE LA HERBA DE ISOP (Hyssopus officinalis L.)</i> Ph.D. Stud. Biol. Pruteanu. A. <sup>1)</sup> , Ph.D. Eng. Danciu A. <sup>1)</sup> , Ph.D. Stud. Eng. Muscalu A. <sup>1)</sup> Eng. Grigore I. <sup>1)</sup> , Ph.D. Stud. Eng. Mitu M. <sup>1)</sup> , Ph.D. Eng. Bracacescu C. <sup>1)</sup> <sup>1)</sup> INMA Bucharest / Romania; <sup>2)</sup> University POLITEHNICA Bucharest / Romania E-mail: pruteanu_augustina@yahoo.com	14 <sup>10</sup> -14 <sup>25</sup>	FARINOGRAPH CHARACTERISTICS OF WHEAT FLOUR DOUGH AND RYE FLOUR DOUGH / <i>CARACTERISTICI FARINOGRAFICE ALE ALUATULUI DIN F IN ALB DE GRÂU I F IN DE SECAR</i> Ass. Ph.D Stud.Eng. Munteanu M. <sup>1)</sup> , Prof. Ph.D. Eng. Voicu Gh. <sup>1)</sup> , Lect. Ph.D. Eng. tefan E.M. <sup>1)</sup> , Lect. Ph.D. Eng. Constantin G.A. <sup>1)</sup> , Ph.D. Eng. Popa L. <sup>2)</sup> , Prof. Ph.D. Eng. Mihailov N. <sup>3)</sup> <sup>1)</sup> University POLITEHNICA Bucharest, Faculty of Biotechnical Systems Engineering / Romania; <sup>2)</sup> INMA Bucharest / Romania; <sup>3)</sup> University of Russe / Bulgaria E-mail: munteanumaya@yahoo.com	14 <sup>10</sup> -14 <sup>25</sup>
DETERMINATION OF THE RELAXATION TIME AT STATIC COMPRESSION OF IDARED APPLES VARIETY / <i>DETERMINAREA DURATEI DE RELAXARE LA SOLICITARI STATICE DE COMPRESIUNE A MERELOR DIN</i>	14 <sup>25</sup> -14 <sup>40</sup>		14 <sup>25</sup> -14 <sup>40</sup>



<p><b>SOIUL IDARED</b> Ph.D.Eng. Vering D.<sup>1)</sup>, Ph.D.Eng. Vintil M.<sup>1)</sup>, Ph.D.Eng. Popa L.<sup>2)</sup>, Ph.D. Stud. Eng. tefan V.<sup>2)</sup>, Ph.D. Stud. Eng. Petcu A.<sup>2)</sup> <sup>1)</sup>I.C.D.I.M.P.H. HORTING Bucharest / Romania; <sup>2)</sup>INMA Bucharest / Romania E-mail: veringa.daniela@yahoo.com</p>		<p>THEORETICAL ASPECTS REGARDING THE PROCESS OF CONVECTIVE DRYING / <b>ASPECTE TEORETICE PRIVIND PROCESUL USCAREI PRIN CONVECTIE</b> As. Ph.D. Stud. Eng. Girleanu I.C.<sup>1)</sup>, Prof. Ph.D. Eng. Casandroui T.<sup>1)</sup>, Ph.D. Stud. Eng. Petcu A.S.<sup>2)</sup> <sup>1)</sup>University POLITEHNICA Bucharest / Romania; <sup>2)</sup>INMA Bucharest / Romania E-mail: cezar_girleanu@yahoo.com</p>	14 <sup>40</sup> - 14 <sup>55</sup>
<p>BEHAVIOUR AT MECHANICAL COMPRESSION STRESSES OF GOLDEN DELICIOUS APPLES IN DIFFERENT BAKING STAGES / <b>COMPORTAREA LA SOLICITARI MECANICE DE COMPRESIUNE A MERELOR GOLDEN DELICIOUS ÎN DIFERITE FAZE DE COACERE</b> Ph.D.Eng. Vering D.<sup>1)</sup>, Ph.D.Eng. Vintil M.<sup>1)</sup>, Ph.D.Eng. Popa L.<sup>2)</sup>, Ph.D. Stud. Eng. tefan V.<sup>2)</sup>, Ph.D. Stud. Eng. Petcu A.<sup>2)</sup> <sup>1)</sup>I.C.D.I.M.P.H. HORTING Bucharest / Romania; <sup>2)</sup>INMA Bucharest / Romania E-mail: veringa.daniela@yahoo.com</p>	15 <sup>10</sup> -15 <sup>20</sup>	<p>CONSIDERATIONS ON THE CURRENTS STATE OF MACHINES WITH COMMAND PROGRAM IN THE PROCESSING INDUSTRY / <b>CONSIDERAȚII PRIVIND STADIUL ACTUAL AL MAȘINILOR CU COMANDĂ PROGRAM ÎN INDUSTRIA PRELUCRĂTOARE</b> Eng. Marian M., Eng. Pop F., Ph.D. Eng. Marin E., Eng. Grigore I., Eng. Ganea-Christu I., Ph.D. Eng. Br cescu C. INMA Bucharest / Romania E-mail: marian17mihai@yahoo.com</p>	14 <sup>55</sup> - 15 <sup>10</sup>
<p>EFFECT OF SPRAYING GIBBERELIC ACID AND CALCIUM CHLORIDE ON STORAGE ABILITY OF JUJUBE FRUITS (Z. MAURITIANA LAM. CV. TUFahi) / <b>تأثير الرش بحامض الجبرليك وكلوريد الكالسيوم في الصفات النوعية والقابلية التخزينية لثمار السدر صنف Z. MAURITIANA LAM CV. TUFahi</b> Dhia Ahmed Taain, M.A.Ibrahim, Nidal Resan Hariz Shala Department Of Horticulture And Landscape, College Of Agriculture, University Of Basrah, Iraq. E-mail: golden_fruit@yahoo.com</p>	15 <sup>20</sup> -15 <sup>30</sup>	<p>REDUCING POLLUTING EFFECTS FROM THE MECHANIZED EXECUTION OF AGRICULTURAL WORKS / <b>REDUCEREA EFECTELOR POLUANTE LA EXECUTAREA MECANIZATĂ A LUCRĂRILOR ÎN AGRICULTURĂ</b> Eng. Epure M., Ph.D. Eng. P un A., Ph.D. Eng. Br cescu C., Eng.G geanu I. INMA Bucharest / Romania E-mail: secretariat@inma.ro</p>	15 <sup>25</sup> - 15 <sup>40</sup>
<p>NUMERICAL AND EXPERIMENTAL VIBRATION ANALYSIS OF THE SUSPENSION SYSTEM OF AN AGRICULTURAL MACHINERY / <b>ANALIZĂ NUMERICĂ ȘI EXPERIMENTALĂ A VIBRAȚIILOR SISTEMULUI DE SUSPENSIE AL UNEI MAȘINI AGRICOLE</b> Assoc. Prof. Ph.D. Eng. Craifaleanu A., Assoc. Prof. Ph.D. Dragomirescu C. University "POLITEHNICA" Bucharest, Department of Mechanics / Romania E-mail: ycraft@yahoo.com</p>	15 <sup>30</sup> -15 <sup>40</sup>	<p>VELOCITIES AND PRESSURE DISTRIBUTION ANALYSIS IN A CYCLONE / <b>ANALIZA DISTRIBUTIEI VITEZELOR ȘI PRESIUNILOR ÎNTR-UN CICLON</b> Ph.D. Stud. Eng Petcu A.S.<sup>1)</sup>, Ph.D. Eng Popa L.<sup>1)</sup>, Ph.D. Stud. Eng Stefan V.<sup>1)</sup>, Ph.D. Stud. Eng Girleanu I.C.<sup>2)</sup>, Ph.D. Eng Veringa D.<sup>3)</sup> <sup>1)</sup>INMA Bucharest / Romania; <sup>2)</sup>UP Bucharest / Romania; <sup>3)</sup>CDIMPH-HORTING Bucharest / Romania E-mail: albert_petcu@yahoo.ro</p>	15 <sup>25</sup> - 15 <sup>40</sup>

<p><b>SECTION 4 - WORKSHOP: DEVELOPMENT A MANAGEMENT SYSTEM FOR ENVIRONMENTAL PROTECTION BY ENHANCING THE USE VALUE OF ANIMAL DEJECTIONS</b></p> <p><b>Chairman:</b> Ph.D. Stud. Eng. MUSCALU Adriana / Assoc. Prof. Ph.D. Eng. ATANASOV Atanas Ph.D. Eng. VL DU Valentin</p> <p>(P.U. Bucharest Library, Building A, 2<sup>nd</sup> floor Lobby)</p> <p>Coffee break: 10<sup>55</sup> - 11<sup>15</sup></p>		<p>9<sup>15</sup> - 11<sup>15</sup></p>
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<p><b>SECTION 5 - BROKERAGE: FUTURE COOPERATION POSSIBILITIES</b></p> <p><b>Chairman:</b> Ph.D. Eng. MURARU-IONEL Cornelia / Assoc. Prof. Ph.D. Eng. ATANASOV Atanas Ph.D. Eng. BR C CESCUCU Carmen</p> <p>(P.U. Bucharest Library, Building A, 2<sup>nd</sup> floor Lobby)</p> <p>Coffee break: 13<sup>55</sup> - 14<sup>10</sup></p>		<p>11<sup>30</sup> - 18<sup>30</sup></p>
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15<sup>40</sup> - 18<sup>00</sup> ... - LUNCH

31 October 2015

7<sup>30</sup> - 20<sup>00</sup> - Field Trip: Bucharest - Pitesti (Research Institute for Fruit Growing Pitesti - Maracineni) - Curtea de Arge Monastery - Bucharest  
14<sup>30</sup> - 17<sup>150</sup> - Lunch (Curtea de Arge )

15<sup>40</sup> - 18<sup>00</sup> ... - LUNCH