



PRELIMINARY PROGRAM OF THE

INTERNATIONAL SYMPOSIUM

ISB-INMA TEH

**AGRICULTURAL AND MECHANICAL
ENGINEERING**

- 2016 -

27 – 29 October

University POLITEHNICA of Bucharest

27 October

- 09⁰⁰ - 10⁴⁵ - **BROKERAGE: FUTURE COOPERATION POSSIBILITIES (part I):**
Faculty of Biotechnical Systems Engineering (D 101)
- 10⁴⁵ - 11⁰⁰ - **Coffee break**
- 11⁰⁰ - 12⁴⁵ - **BROKERAGE: FUTURE COOPERATION POSSIBILITIES (part II):**
Faculty of Biotechnical Systems Engineering (D 101)
- 12⁴⁵ - 13¹⁵ - **Coffee break**
- 14⁰⁰ - 15⁰⁰ - **Registration of participants to ISB-INMA TEH 2016 Symposium**
- 15⁰⁰ - 18⁰⁰ - **Opening speech: Festivity Hall "Radu Voinea" (AN 010)**
- *PhD. Eng. Mihnea COSTOIU, Rector – UNIVERSITY POLITEHNICA OF BUCHAREST;*
 - *Prof. PhD. Eng. Ecaterina ANDRONESCU, Senate President - UNIVERSITY POLITEHNICA OF BUCHAREST*
 - *PhD. Eng. Achim IRIMESCU, Ministry - MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT, Romania;*
 - *Prof. PhD. Eng. Sorin Mihai CÎMPEANU, Rector – UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE BUCHAREST;*
 - *Prof. PhD. Eng. Gigel PARASCHIV, Vice Rector - UNIVERSITY POLITEHNICA OF BUCHAREST;*
 - *Prof. PhD. Eng. Ion PIRNĂ, General Manager - NATIONAL INSTITUTE OF RESEARCH - DEVELOPMENT FOR MACHINES AND INSTALLATIONS DESIGNED TO AGRICULTURE AND FOOD INDUSTRY (INMA) – BUCHAREST, ROMANIA;*
- **Plenary Presentations**
- 18³⁰ - ... - **Festive Dinner.**

28 October

Politehnica University Library (2.1, 2.2, 2.3, second floor Lobby)

- 9⁰⁰ - 9¹⁵ - **Registration of participants**
- 9¹⁵ - 10³⁰ - **Presentation of papers on sections (ORAL)**
- 10³⁰ - 10⁵⁰ - **Coffee break**
- 10⁵⁰ - 12³⁰ - **Presentation of papers on sections (ORAL)**
- 12³⁰ - 12⁵⁰ - **Coffee break**
- 12⁵⁰ - 14⁰⁰ - **Presentation of papers on sections (ORAL)**
- 14⁰⁰ - 15⁰⁰ - **Lunch break**
- 15⁰⁰ - 17⁰⁰ - **Presentation of papers on sections (POSTER)**
- 16³⁰ - 17³⁰ - **Workshop: "The management of waste for environmental protection"**
- 16³⁰ - 17³⁰ - **Workshop: "Innovative technologies and intelligent technical equipment destined for agriculture, forestry and food industry"**
- 16³⁰ - 17³⁰ - **Workshop: "European services and partnerships"**
- 17³⁰ - 18³⁰ - **Visit of the Laboratories of Faculty of Biotechnical Systems Engineering / INMA Bucharest**

29 October

- 7³⁰ - 20⁰⁰ - **Symposium Trip**
- 14⁰⁰ - 17⁰⁰ - **Lunch**

SPONSORS

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- TITAN MAȘINI GRELE;
- CALORIS GROUP SA;
- VALTEC TRACTORS INDUSTRY SRL.

BROKERAGE: FUTURE COOPERATION POSSIBILITIES	
Chairman: Prof. Ph.D.Eng. MAICAN Edmond / Ph.D. Eng. VLĂDUȚ Valentin Lect. Ph.D. Eng. DUȚU Iulian	(U.P. Bucharest / Faculty of Biotechnical Systems Engineering, Hall D101)
BROKERAGE: FUTURE COOPERATION POSSIBILITIES (part I)	09 ⁰⁰ - 10 ⁴⁵
10 ⁴⁵ - 11 ⁰⁰ Coffee break	
BROKERAGE: FUTURE COOPERATION POSSIBILITIES (part II)	11 ⁰⁰ - 12 ⁴⁵
12 ⁴⁵ - 13 ¹⁵ Coffee break	

SECTION 1 - POWER AND MACHINERY - ORAL PRESENTATION		SECTION 2 - ECOLOGY & ENVIRONMENT - ORAL PRESENTATION	
Chairman: Prof. Ph.D. Eng. MAICAN Edmond / Prof. KADIROVA Seher / Prof. Ph.D. Eng. PARASCHIV G. (Hall 2.1 - Politehnica University Library)		Chairman: Prof. MARINOVA Svetla. / Assoc. Prof. COVALIU Cristina / Prof. Ph.D. KHARYTONOV M. (Hall 2.2 -Politehnica University Library)	
DEVELOPMENT AND IMPOROVMENT OF AGRICULTURAL TECHNIQUES OF MISCANTHUS GROWING IN FOREST –STEPPE ZONES OF UKRAINE / <i>РОЗРОБКА ТА УДОСКОНАЛЕННЯ АГРОТЕХНІЧНИХ ПРИЙОМІВ ВИРОЩУВАННЯ МІСКАНТУСУ В УМОВАХ ЛІСОСТЕПУ УКРАЇНИ</i> Dr.Ph.D. Eng. Gumentyk M. Ya. ¹⁾ , Prof. Phd Kharytonov M. ²⁾ ¹⁾ Institute of bioenergetic cultures and sugar beet of National Science Academy of Ukraine ²⁾ Dnipropetrovsk State Agrarian and Economic University Tel: 380973456227; E-mail: envteam@ukr.net	9 ¹⁵ -9 ³⁰	EXPERIMENTAL FLOW STRUCTURES IN A CENTRIFUGAL PUMP VIA PIV / <i>SANTRİFÜJ BİR POMPADA AKIŞ KARAKTERİSTİKLERİNİN PIV İLE DENEYSEL İNCELENMESİ</i> As.Ph.D.Stud.Eng. Aksoy M. H. ¹⁾ , Prof. Ph.D. Eng. Ozgoren M. ¹⁾ , As. Ph.D. Stud. Lect. Eng. Babayigit O. ²⁾ Lect. Eng. Kocaaslan O. ²⁾ ¹⁾ Selcuk University, Engineering Faculty, Mechanical Engineering Department, 42003, Konya / Turkey; ²⁾ Selcuk University Hadim Vocational School, Hadim, Konya / Turkey; Tel: +90 5552027321; E-mail: muharremaksoy@selcuk.edu.tr	9 ¹⁵ -9 ³⁰
AERODYNAMIC PERFORMANCE EVOLUTION OF FORWARD SWEEPED HORIZONTAL AXIS WIND TURBINE BLADES / <i>ÖNE DOĞRU EĞİMLİ YATAY EKSENLİ RÜZGÂR TÜRBİNİ KANATLARININ AERODİNAMİK PERFORMANSLARININ İNCELENMESİ</i> As. Ph.D. Stud. Eng. Kaya M. N. ¹⁾ , As.Prof. Ph.D. Eng. Köse F. ²⁾ ¹⁾ Karamanoglu Mehmetbey University, Engineering Faculty, Mechanical Engineering Department, Karaman, Turkey ²⁾ Selcuk University, Engineering Faculty, Mechanical Engineering Department, Konya, Turkey Tel: +90 3382262000-5067; E-mail: mnumankaya@kmu.edu.tr	9 ³⁰ -9 ⁴⁵	NEW TREND IN THE APPLICATION OF NANOTECHNOLOGY IN WASTEWATER TREATMENT - CeO ₂ PHOTOCATALYST / <i>O NOUĂ DIRECȚIE ÎN APLICAREA NANOTEHNOLOGIEI ÎN EPURAREA APELOR - FOTOCATALIZATORUL CeO₂</i> Assoc. Prof. Ph.D. Eng. Covaliu I.C. ¹⁾ , Lect. Ph.D. Eng. Ionescu M. ¹⁾ , Prof. Ph.D. Eng. Paraschiv G. ¹⁾ , Prof. Ph.D. Eng. Biriş S.Şt. ¹⁾ , Ph.D. Eng. Matei C. ¹⁾ , Assist. Ph.D. Toma L. ¹⁾ , Ph.D. Matache Mihai Gabriel ²⁾ ¹⁾ Universities Polytechnic Bucharest/ Romania; ²⁾ INMA Bucharest / Romania Tel: 0722791791; E-mail: cristina_covaliu@yahoo.com	9 ³⁰ -9 ⁴⁵
COMBINE EQUIPMENT FOR DIGGING, RESTORING AND CLEANING NEAR BY FORESTRY ROADS DITCHES / <i>CHIPAMENT COMBINAT PENTRU SĂPAT, REPROFILAT ȘICURĂȚAT ȘANȚURILE ADIACENTE DRUMURILOR FORESTIERE</i> Ph.D. Eng. Tudosoiu C. ¹⁾ Eng. Moise S.S. ²⁾ , Ph.D. Eng. Ganea Christu I. ²⁾ INCDS „Marin Drăcea”/ Romania ¹⁾ , INMA Bucharest / Romania ²⁾ Tel: 0720835156; E-mail: catalintudosoiu@yahoo.com	9 ⁴⁵ -10 ⁰⁰	AN EDUCATIONAL ALTERNATIVE TO THE HUNTING OF THE POKÉMONS: REDUCING THE IMPACT OF ILLEGAL WASTE DEPOSITS / <i>O ALTERNATIVĂ EDUCAȚIONALĂ LA VÂNAREA DE POKEMONI: REDUCEREA IMPACTULUI DEPOZITELOR ILEGALE DE DEȘEURI</i> Math. Cardei P. INMA Bucharest / Romania E-mail: petru_cardei@yahoo.com	9 ⁴⁵ -10 ⁰⁰
EFFECT OF DIFFERENT SUBSOILING APPLICATIONS ON SOIL SURFACE ROUGHNESS / <i>FARKLI DİPKAZAN UYGULAMALARININ TOPRAK YÜZEY PÜRÜZLÜLÜĞÜNE ETKİSİ</i> Assoc.Prof.Ph.D. Korucu T. ¹⁾ , Assist.Prof.Ph.D. SELVİ K. Ç. ²⁾ , Eng. İnce İ. ¹⁾ ¹⁾ Dept. of Biosystem Engineering, Agricultural Faculty, Sütçü İmam University, Kahramanmaraş / Turkey; ²⁾ Dept. of Agricultural Machinery and Technologies Engineering, Agricultural Faculty, Ondokuz Mayıs University, Samsun/Turkey Tel: +90362 3121919/1259; E-mail: kcselvi@omu.edu.tr	10 ⁰⁰ -10 ¹⁵	USING THE INDEXES IN ESTIMATING RAINFALL EROSIONITY – CASE STUDY BUCHAREST / <i>UTILIZAREA INDICILOR ÎN ESTIMAREA EROZIVITĂȚII PLUVIOMETRICE – STUDIU DE CAZ BUCUREȘTI</i> Assoc.Prof.Ph.D.Eng. Rusănescu C.O. ¹⁾ , Prof.Ph.D.Eng. Paraschiv G. ¹⁾ , Prof.Ph.D.Eng. Biriş S. Şt. ¹⁾ , Prof.Ph.D.Eng. Voicu G. ¹⁾ , Ec. Rusănescu M. ²⁾ , Assoc.Prof.Ph.D.Eng. Begea M. ¹⁾ ¹⁾ University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; ²⁾ Valplast Industry Bucharest; E-mail: otiliarusanescu@yahoo.com	10 ⁰⁰ -10 ¹⁵
ASPECTS REGARDING THE COMPRESSION RESISTANCE OF GEOSYNTHETICS USED IN BUILDING MUNICIPAL SOLID WASTE LANDFILLS / <i>ASPECTE PRIVIND REZISTENȚA LA COMPRESIUNE A GEOSINTETICELOR UTILIZATE ÎN CONSTRUCȚIA DEPOZITELOR DE DEȘEURI MUNICIPALE</i> Prof. Ph.D. Eng. Voicu Gh. ¹⁾ , Ph.D. Eng. Toma L., Ph.D. Eng. Tudor P., Lect. Ph.D. Eng. Ipate G. University Politehnica of Bucharest E-mail: ghvoicu_2005@yahoo.com	10 ¹⁵ -10 ³⁰	EXPERIMENTAL INVESTIGATION OF A WATER PUMPING SYSTEM DRIVEN BY WIND AND SOLAR ENERGY FOR IRRIGATION PURPOSE / <i>RÜZGAR VE GÜNEŞ ENERJİSİ İLE ÇALIŞAN SULAMA AMAÇLI SU POMPALAMA SİSTEMİNİN DENEYSEL İNCELENMESİ</i> As. Ph.D.Stud.Eng. Aksoy M. H. ¹⁾ , Assist. Prof. Ph.D. Eng. Kose F. ¹⁾ Prof. Ph.D. Eng. Ozgoren M. ¹⁾ ¹⁾ Selcuk University, Engineering Faculty, Mechanical Engineering Department, 42003, Konya /Turkey Tel: +90 5552027321; E-mail: muharremaksoy@selcuk.edu.tr	10 ¹⁵ -10 ³⁰
10 ³⁰ -10 ⁵⁰ : Coffee break			

<p>VIBRATION ANALYSIS OF A DISC HARROW / ANALIZA VIBRAȚIILOR UNEI GRAPE CU DISCURI Prof. Ph.D. Eng. Craifaleanu A.^{*1}, Assoc. Prof. Ph.D. Eng. Orășanu N.¹, Prof. Ph.D. Eng. Dragomirescu C.¹ ¹University "Politehnica" of Bucharest, Department of Mechanics; Tel: (004)021.402.92.50; E-mail: ycraft@yahoo.com</p>	10 ⁵⁰ -11 ⁰⁰	<p>MICROBIAL AIR CONTAMINATION IN INDOOR ENVIRONMENT OF FACULTY OF BIOTECHNICAL SYSTEMS ENGINEERING / CONTAMINAREA MICROBIOLOGICA A AERULUI DIN INTERIORUL FACULTATI DE INGINERIA SISTEMELOR BIOTEHNICE Prof. Ph.D. Eng. Ferdes M.* , Ph.D. Eng. Toma L., Lect. Ph.D. Eng. Dinca M, As. PhD Stud. Eng. Zăbavă B. University "Politehnica" of Bucharest, Faculty of Biotechnical Systems Engineering Phone: 0729 821 256, email: marianaferdes@yahoo.com</p>	10 ⁵⁰ -11 ⁰⁰
<p>REAL TIME STUBBLE COVER RATIO DETERMINATION BY USING AN AUTONOMOUS ROBOT / OTONOM ROBOT KULLANILARAK ANLIK ANIZ KAPLAMA ORANININ BELIRLENMESİ Ünal İ.^{*1}, Topakcı M.², Çanakçı M.², Karayel D.², Kabaş Ö.¹ ¹ Technical Science Vocational School, Akdeniz University, 07070, Antalya, Turkey ² Departments of Agricultural Machinery and Technologies Engineering, Faculty of Agriculture, Akdeniz University, 07070, Antalya, Turkey E-mail: onderkabas@hotmail.com</p>	11 ⁰⁰ -11 ¹⁰	<p>COMPARATIVE ANALYSIS OF MISCANTHUS PRODUCTIVITY PARAMETERS UNDER THE FOREST – STEPPE AND STEPPE ZONES CONDITIONS OF UKRAINE / ПОРІВНЯЛЬНИЙ АНАЛІЗ ПРОДУКТИВНИХ ПАРАМЕТРІВ МИСКАНТУСУ В УМОВАХ ЛІСО-СТЕПОВОЇ ТА СТЕПОВОЇ ЗОН УКРАЇНИ Prof. Ph.D. Kharytonov M.^{*1}, Dr. Ph.D. Martynova N.², Dr. Ph.D. Opanasenko V.², Dr. Ph.D. Gumentyk M.³, Dr. Ph.D. Kvak V.³, Ph.D. Stud. Zamoysky O.³, Ph.D. Stud. Katelevsky V.³ ¹Dnepropetrovsk State Agrarian and Economic University, Dnepropetrovsk, Ukraine; ²Oles Gonchar Dnepropetrovsk National University, Dnepropetrovsk, Ukraine; ³Institute of Energy Crops And Sugar Beet, Kyiv, Ukraine Tel: 380973456227; E-mail: envteam@ukr.net</p>	11 ⁰⁰ -11 ¹⁰
<p>GENERAL CONDITIONS OF WORK FOR SUBSTANTIATING A CALCULUS METHODOLOGY OF FUEL CONSUMPTION /CONDITII GENERALE DE LUCRU PENTRU FUNDAMENTAREA UNEI METODOLOGII DE CALCUL A CONSUMULUI DE COMBUSTIBIL PhD.Stud.Eng. Cujbescu D.^{*1}, PhD.Eng. Matache M.¹, PhD.Eng. Vlăduț V.¹, Eng. Bolinteanu Gh.¹, PhD.Eng. Danciu A.¹, PhD.Stud.Eng. Persu C.¹, Eng. Vlad C.², Lect. Ph.D. Eng. Ungureanu N.³ ¹INMA Bucharest / Romania; ²ICEADR Bucharest / Romania; ³PU Bucharest / Romania E-mail: dcujbescu@yahoo.com</p>	11 ¹⁰ -11 ²⁰	<p>CASE STUDY ON COST-EFFECTIVE AND ENVIRONMENTALLY SAFE MEASURES FOR CHICKEN MANURE TREATMENT FOR UKRAINIAN POULTRY SECTOR / ДОСЛІДЖЕННЯ ЕКОНОМІЧНО ЕФЕКТИВНИХ ТА ЕКОЛОГІЧНО БЕЗПЕЧНИХ ЗАХОДІВ ОБРОБКИ КУРЯЧОГО ПОСЛІДУ ДЛЯ УКРАЇНСЬКОГО ПТАХІВНИЦТВА Ph.D. Stud. Onyshchenko O.M., Prof. Ph.D.Kharytonov M.M.* , Dnipropetrovsk State Agrarian-Economic University, Dnipropetrovsk, Ukraine; Tel: 380973456227; E-mail: envteam@ukr.net</p>	11 ¹⁰ -11 ²⁰
<p>A SOLUTION TO THE PROBLEM OF OPTIMIZATION OF THE WORKING ROWS DIRECTION FOR AN AGRICULTURAL MACHINE WHICH IS IN WORKING ON A PARCEL IN THE FORM OF CONVEX POLYGONS / O SOLUȚIE LA PROBLEMA OPTIMIZĂRII DIRECȚIEI RÂNDURILOR DE LUCRU PENTRU O MAȘINĂ AGRICOLĂ CARE LUCREAZĂ PE O PARCELĂ ÎN FORMĂ DE POLYGON CONVEX Math. Cardei P. INMA Bucharest / Romania E-mail: petru_cardei@yahoo.com</p>	11 ²⁰ -11 ³⁰	<p>CHAB CONCEPT IN SUSTAINABLE DEVELOPMENT OF AGRICULTURE / CONCEPTUL CHAB ÎN DEZVOLTAREA DURABILĂ A AGRICULTURII Assoc.Prof. PhD.Eng. Murad E.^{*1}, PhD.Eng. Dumitrescu C.², Eng. Dragomir F.³, Eng. Popescu M.⁴ ¹Biosystems Department, Politehnica University, Bucharest, ² INOE2000-IHP, Bucharest ³Promeco SD SRL, Bucharest, ⁴ Incubus SRL, Bucharest E-mail: gasmeruscmer@gmail.com</p>	11 ²⁰ -11 ³⁰
<p>STUDY ON THE POSSIBILITIES TO ACHIEVE AN EQUIPMENT FOR PHYTOSANITARY TREATMENTS IN FORESTRY SEEDLING ORCHARDS / STUDIU PRIVIND POSIBILITĂȚILE DE REALIZARE A UNUI ECHIPAMENT PENTRU TRATAMENTE FITOSANITARE ÎN LIVEZILE SEMINCERE FORESTIERE Prof. Ph.D. Habil. Saracin I.^{*1} Conf. Ph.D. Eng. Pandia O.² Netoiu C., Saracin I.A. University of Craiova, Faculty of Agriculture, Romania ¹ University of Agricultural Sciences and Veterinary Medicine Bucharest, Romania ² Tel: 0762142949; E-mail: ion_saracin@yahoo.com</p>	11 ³⁰ -11 ⁴⁰	<p>CHARACTERIZATION AND EVALUATION OF SLUDGE FROM WASTE WATER TREATMENT PLANTS BURGAS, MEDEN RUDNIK, TSAREVO, KITEN AND OBZOR / ХАРАКТЕРИСТИКА И ОЦЕНКА НА УТАЙКИ ОТ ПРЕЧИСТВАТЕЛНИТЕ СТАНЦИИ ЗА ОТПАДЪЧНИВОДИ ПСОВ/ КЪМ „В И К“ГР.БУРГАС, МЕДЕН РУДНИК, ЦАРЕВО, КИТЕН И ОБЗОР Prof. Marinova S.^{*1}, Prof. Kathijotes N.², Assoc. Prof. Petrova V.¹, Assoc. Prof. Zlatareva E.¹ ¹Institute of Soil Science Agrotechnology and Plant Protection "N. Poushkarov"- Bulgaria; ² University of Nicosia E-mail: svetla_mar@abv.bg, tel. 00359879537371</p>	11 ³⁰ -11 ⁴⁰
<p>DETERMINATION OF NOISE AND FUNCTIONAL PARAMETERS OF A TRANSVERSAL BEATING DEVICE BY ACOUSTIC MEASUREMENTS / DETERMINAREA PARAMETRILOR DE FUNCTIONARE ȘI A ZGOMOTORULUI UNUI BATATOR TRANSVERSAL PRIN MASURĂRI ACUSTICE Assoc. Prof. Ph.D. Eng. Orășanu N.^{*1}, Prof. Ph.D. Eng. Craifaleanu A.¹ ¹ University "Politehnica" of Bucharest, Department of Mechanics; Tel: (004)021.402.92.50; E-mail: norasanu62@yahoo.com</p>	11 ⁴⁰ -11 ⁵⁰	<p>DETERMINE THE EFFECT OF DIGESTATE RECEIVED FROM BIOGAS PRODUCTION AND IMPACT ON YIELD AND QUALITY OF CROP PRODUCTION / ОЦЕНКА НА БИОШЛАМ ПОЛУЧЕН ПРИ ПРОИЗВОДСТВОТО НА БИОГАЗ И ВЛИЯНИЕТО МУ ВЪРХУ ДОБИВА И КАЧЕСТВОТО НА ПРОДУКЦИЯТА Assoc. Prof. Zlatareva E., Assoc. Prof. Petrova V., Ass. Prof. Kolchakov V., Prof. Marinova S.* Institute of Soil Science Agrotechnology and Plant Protection "N. Poushkarov"- Sofia 1080, 7 Shosse Bankya str, Bulgaria E-mail: svetla_mar@abv.bg, tel. 00359879537371</p>	11 ⁴⁰ -11 ⁵⁰
<p>THERMO-MECHANICAL TREATMENT PROCESS OF AlZn5Mg3Cu ALLOY AND OPTIMIZATION OF TECHNOLOGICAL PARAMETERS / PROCESUL DE TRATAMENT TERMOMECHANIC AL ALIAJULUI AlZn5Mg3Cu ȘI OPTIMIZAREA PARAMETRILOR TEHNOLOGICI Assoc. Prof. PhD.Eng. Pandia O.^{*1}, Prof. PhD.Habil.Saracin I.², Lect.PhD. Eng. Neacsu M.³, Ph.D. Eng. Ganea –Christu I.⁴ University of Agricultural Sciences and Veterinary Medicine Bucharest, Romania ¹, University of Craiova, Faculty of Agriculture, Romania. ² University of Dunarea de Jos, Galati ³, INMA Bucharest ⁴ Tel: 0745762957; E-mail: olimpia_pandia@yahoo.com</p>	11 ⁵⁰ -12 ⁰⁰	<p>NATURAL AMBIENT LIGHT MONITORING IN GREENHOUSES WITH POLYETHYLENE FILM ROOF / MONITORIZAREA LUMINII AMBIENTALE NATURALE ÎN SERELE CU ACOPERIȘ DIN POLIETILENĂ Lect. Ph.D. Eng. Ipate G.^{*1}, Prof. Ph.D. Eng. Voicu Gh.¹, Ph.D.Eng. Bogoescu M.¹, Ph.D.Eng. Vintila M.¹, Ph.D.Eng. Marin E.² ¹University Politehnica of Bucharest . Romania, ² INMA Bucharest / Romania E-mail: puiupate@yahoo.com</p>	11 ⁵⁰ -12 ⁰⁰
<p>EXPERIMENTAL DETERMINATION OF POWER CONSUMPTION FOR MIXING OF SOLID-LIQUID SYSTEMS / DETERMINAREA EXPERIMENTALĂ A PUTERII CONSUMATE PENTRU AMESTECAREA SISTEMELOR SOLID-LICHID Lect. Ph.D. Eng. Ungureanu N.^{*1}, Ph.D. Eng. Vlăduț V.², Lect. Ph.D. Eng. Dincă M.¹, Lect. Ph.D. Eng. Mușuroi G.¹, Prof. Ph.D. Eng. Biriș S. Șt.¹, Assist. Ph.D. Stud. Eng. Zăbavă B.Șt.¹, ¹University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; ²INMA Bucharest Tel: 0724086492; E-mail: nicoletaung@yahoo.com</p>	12 ⁰⁰ -12 ¹⁵	<p>RESEARCH ON THE ENERGY POTENTIAL OF WOOD BIOMASS / CERCETĂRI PRIVIND POTENȚIALUL ENERGETIC AL BIOMASEI LEMNOASE Spirchez C.^{*1}, Lunguleasa A.¹, Prună N.², Gaceu L.¹ ¹Universitatea Transilvania din Brașov / Romania; ²Institut de Cercetări pentru Tehnologii și Echipamente în Construcții (ICECON-București) / Romania E-mail: cosmin.spirchez@unitbv.ro</p>	12 ⁰⁰ -12 ¹⁵

<p>CALCULATING METHODOLOGY OF FUEL CONSUMPTION FOR DIFFERENT VEGETABLE CROPS IN PLAINS, HILLS AND MOUNTAINS / METODOLOGIE DE CALCUL A CONSUMULUI COMBUSTIBIL PENTRU DIFERITE CULTURI VEGETALE IN ZONA DE CÂMPIE, DEAL ŞI MUNTE PhD.Stud.Eng. Cujbescu D.¹⁾, PhD.Eng. Matache M.¹⁾, PhD.Eng. Vlăduţ V.¹⁾, Eng. Bolintineanu Gh.¹⁾, PhD.Eng. Danciu A.¹⁾, PhD.Eng. Voicea I.¹⁾, PhD. Stud. Eng. Mircea C.¹⁾, Eng. Vlad C.²⁾ ¹⁾National Institute of Research-Development for Machines and Installations Designed to Agriculture and Food Industry, INMA, Bucharest, Romania; ²⁾ICEADR Bucharest / Romania E-mail: dcujbescu@yahoo.com</p>	12 ¹⁵ -12 ³⁰	<p>REDUCING CONVENTIONAL FUEL CONSUMPTION BY IMPLEMENTING HYBRID ENERGY PRODUCTION SYSTEMS / REDUCEREA CONSUMULUI DE CARBURANT CONVENŢIONAL PRIN IMPLEMENTAREA SISTEMELOR HIBRID DE PRODUCŢIE A ENERGIEI Ph.D. Eng Dumitrescu C.¹⁾, Prof. Hab. Ph.D. Eng. Dulgheru V.²⁾, Ph.D. Eng. Cristescu C.¹⁾, Eng. Dumitrescu L.¹⁾, Ph.D. Eng. Blejan M.¹⁾, Ph.D. Eng. Radoi R.¹⁾ ¹⁾National Institute for Optoelectronics Subsidiary Hydraulics and Pneumatics Research Institute, INOE 2000-IHP, Bucharest / Romania; ²⁾ Technical University of Moldova, Mechanical Faculty, Chişinău /Moldova Tel: 0727391783; E-mail: dumitrescu.ihp@fluidas.ro</p>	12 ¹⁵ -12 ³⁰
12³⁰-12⁵⁰: Coffee break			
<p>CONSIDERATIONS REGARDING THE REED HARVESTING TECHNOLOGIES / CONSIDERATII PRIVIND TEHNOLOGIILE DE RECOLTARE STUF PhD.Eng. Ivan Gh.*¹⁾, PhD. Stud. Eng. Mircea C., PhD. Eng. Brăcăcescu C., PhD. Stud. Eng. Găgeanu I. INMA, Bucharest / Romania E-mail: geoivan2006@yahoo.com</p>	12 ³⁰ -13 ⁰⁰	<p>THE IMPORTANCE OF THE HUMAN EVALUATION ASSESSMENT IN SENSORY MARKETING / IMPORTANŢA EVALUARII UMANE INTR-O ABORDARE A MARKETINGULUI SENZORIAL Lect. Ph.D. Eng. Avramescu A.-M.¹⁾, Lect. Ph.D. Eng. Dobre C.-G.²⁾ ¹⁾ University Politehnica of Bucharest, Faculty of Aerospace Engineering / Romania ²⁾ University Polytechnic Bucharest, Faculty of Mechanical Engineering and Mechatronics / Romania Tel: 0724594846; E-mail: avr_ana@yahoo.com</p>	12 ³⁰ -13 ⁰⁰
<p>APPLICATIONS OF FREE VIBRATIONS TO MACHINERY FOR SEEDBED PREPARATION / APLICAŢII ALE VIBRAŢIILOR LIBERE LA MAŞINILE AGRICOLE DE PREGĂTIT PATUL GERMINATIV Prof.Ph.D.Eng. Biriş S.Şt.*¹⁾, Lect.Ph.D.Eng. Ungureanu N.¹⁾, As. Ph.D. Stud. Eng. Gheorghită N.E.¹⁾, Assoc.Prof. Ph.D. Eng. Covaliu I.C.¹⁾, Ph.D.Eng.Vlăduţ V.²⁾ ¹⁾ P.U. Bucharest, Faculty of Biotechnical Systems Engineering / Romania; ²⁾INMA Bucharest Tel: 0744756832; E-mail: biris.sorinstefan@gmail.com</p>	13 ⁰⁰ -13 ¹⁰	<p>AGRICULTURAL FEEDSTOCK CHARACTERIZATION USED IN BIOGAS PLANTS / CARACTERIZAREA SUBSTRATULUI AGRICOL UTILIZAT ÎN INSTALAŢIILE DE BIOGAZ Lect. Ph.D. Eng. Dincă M.*¹⁾, Assoc. Prof. Ph.D. Eng. Ferdeş M., Prof. Ph.D. Eng. Paraschiv G.¹⁾, Prof. Ph.D. Eng. Voicu Gh.¹⁾, Lect. Ph.D. Eng. Ungureanu N.¹⁾, Lect. Ph.D. Eng. Ionescu M.¹⁾, Lect. Ph.D. Eng. Muşuroi G.¹⁾, As. Ph.D Stud. Eng. Zăbavă B.¹⁾ ¹⁾ University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; Tel: 0761938017; E-mail: mirela_dilea@yahoo.com</p>	13 ⁰⁰ -13 ¹⁰
<p>THE USE OF MEF FOR CALCULATING AND OPTIMIZING THE ACTIVE ORGANS OF EQUIPMENT FOR APPLYING MULCHING FOILS / UTILIZAREA MEF IN CALCULUL SI OPTIMIZAREA ORGANELOR ACTIVE ALE ECHIPAMENTELOR DE APLICAT FOILII DE MULCIRE PhD. Stud. Eng. Gheorghe G.*¹⁾, PhD. Eng. Marin E.¹⁾, PhD. Eng. Manea D.¹⁾, PhD. Stud. Eng. Persu C.¹⁾, PhD. Eng. Mateescu M.¹⁾, PhD.Eng. Neacşu F.²⁾ ¹⁾INMA Bucharest / Romania; NHR Agropartners / Romania E-mail: gabrielvalentinghe@yahoo.com</p>	13 ¹⁰ -13 ²⁰	<p>ECO-DESIGN – THE PERFECT BALANCE OF ESHTICS, ERGONOMY AND ECO-DESIGN / PROIECTARE ECOLOGICĂ – ECHILIBRUL PERFECT ÎNTRE ESTETICĂ, ERGONOMIE ŞI ECO-DESIGN Lect. Ph.D. Eng. Avramescu A.-M.*¹⁾, Lect. Ph.D. Eng. Dobre C.-G.²⁾ ¹⁾ University Politehnica of Bucharest, Faculty of Aerospace Engineering / Romania ²⁾ University Politehnica of Bucharest, Faculty of Mechanical Engineering and Mechatronics / Romania Tel: 0724594846; E-mail: avr_ana@yahoo.com</p>	13 ¹⁰ -13 ²⁰
<p>RESEARCHES ON THE INFLUENCE OF NOZZLES WORKING PRESSURE ON THE DISTRIBUTION UNIFORMITY OF SPRAYING MACHINES / CERCETARI PRIVIND INFLUENTA PRESIUNII DE LUCRU DE LA DUZE ASUPRA UNIFORMITATII DE DISTRIBUTIE A MASINILOR DE STROPIT PhD. Stud. Eng. Roşu (Niţu) M.*¹⁾, Emeritus. Prof. Ph.D. Eng. Căsândroiu T.²⁾, PhD. Eng. Matache M.¹⁾, PhD. Stud. Eng. Cujbescu D.¹⁾, PhD. Eng. Vlăduţ V.¹⁾, PhD. Stud. Eng. Sorică E.¹⁾ ¹⁾INMA Bucharest / Romania, ²⁾ University Politehnica of Bucharest / Romania E-mail: rosumihaelian@yahoo.com</p>	13 ²⁰ -13 ³⁰	<p>TECHNOLOGY OF DRAIN AND PROCESSING OF THE LEVIGATE FROM LANDFILLS IN ORDER TO REDUCTION OF POLUATION LEVEL / TEHNOLOGIE DE COLECTARE SI TRATARE A LEVIGATULUI DIN DEPOZITILE DE DESEURI ÎN VEDEREA REDUCERII NIVELULUI DE POLUARE Toth L.*¹⁾, Călămar A., Pupăzan D., Găman G. A., Kovacs M., Simion S. INSEMEX Petroşani / Romania E-mail: emilia.erent@insemex.ro</p>	13 ²⁰ -13 ³⁰
<p>INNOVATIVE METHOD FOR IMPLEMENTING ALGORITHMS FOR PROCESSING IMAGES IN PRECISION AGRICULTURE / METODA INOVATIVA DE IMPLEMENTARE A ALGORITMILOR DE PRELUCRARE A IMAGINILOR IN AGRICULTURA DE PRECIZIE PhD. Stud. Eng. Gheorghe G.*¹⁾, PhD. Stud. Eng. Persu C.¹⁾, PhD. Eng. Matache M.¹⁾, PhD. Stud. Eng. Cujbescu D.¹⁾, Prof. Ph.D. Eng. Voicu G.¹⁾ ¹⁾INMA Bucharest / Romania, ²⁾University Politehnica of Bucharest / Romania E-mail: gabrielvalentinghe@yahoo.com</p>	13 ³⁰ -13 ⁴⁰	<p>INNOVATIVE TECHNOLOGY FOR THE AFFORESTATION OF DEGRADED SLOPE LANDS FOR INSTALLING A GREEN INFRASTRUCTURE / TEHNOLOGIE INNOVATIVA DE IMPADURIRE A TERENURILOR DEGRADATE IN PANTA IN VEDEREA INSTALARII INFRASTRUCTURII VERZI Ph.D. Eng. Visan A.L.*¹⁾, Eng. Bogdanof G.C.¹⁾, Eng. Milea D.¹⁾, PhD. Stud. Eng. Mircea C.¹⁾ ¹⁾ INMA Bucharest, Romania E-mail: alexandriion1982@yahoo.com</p>	13 ³⁰ -13 ⁴⁰
<p>RESEARCH ON THE OPTIMAL DESIGN OF THE CUTTERHEAD FROM FORAGE HARVESTERS / CERCETĂRI PRIVIND PROIECTAREA OPTIMALĂ A APARATULUI DE TOCARE DE LA COMBINELE DE RECOLTAT FURAJE Ph.D. Stud. Eng. Popa R.*¹⁾, Prof.Ph.D.Eng. Biriş S.Şt.¹⁾, Prof. Ph.D. Eng. Maican E.¹⁾, Lect.Ph.D.Eng. Ungureanu N.¹⁾, ¹⁾ Politehnica University of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; Tel: 0744232253; E-mail: radu12m@yahoo.com</p>	13 ⁴⁰ -13 ⁵⁰	<p>USING ANALYSIS MULTI - ADVANCED CRITERIA (FRISCO) APPLY TO RETROFITTING MAINTENANCE AND REPAIR OF FOREST ROADS / UTILIZAREA METODEI DE ANALIZĂ MULTI - CRITERIALĂ AVANSATĂ (FRISCO), APLICATĂ ÎN CAZUL RETEHOLOGIZĂRII LUCRĂRILOR DE ÎNTREȚINERE ŞI REPARARE A DRUMURILOR FORESTIERE Ph.D. Eng. Tudosoiu C.*¹⁾ Ph.D. Eng. Ganea Christu I.²⁾ INCDS „Marin Drăcea” / Romania ¹⁾, INMA Bucharest / Romania ²⁾ Tel: 0720835156; E-mail: catalintudosoiu@yahoo.com</p>	13 ⁴⁰ -13 ⁵⁰
<p>SYNTHESIS OF SELF-CENTRING GRIPPERS / SINTEZA MECANISMELOR DE PREHENSIUNE AUTOCENTRANTE Prof.Ph.D.Eng. Moise V.*¹⁾, Băbăre I., Dudici C.L., Bănică E., Rotaru Al., Boureici Gh. A., Stroe I. University Politehnica of Bucharest, E-mail: victor.moise@yahoo.com</p>	13 ⁵⁰ -14 ⁰⁰	<p>SUPERIOR LAVENDER VALORIZATION THROUGH OBTAINING ESSENTIAL OILS BY APPLYING WATER VAPOR DISTILLATION METHOD / VALORIFICAREA SUPERIOARA A LAVANDEI PRIN OBTINEREA DE ULEIURI VOLATILE APLICAND METODA DISTILARII CU VAPORI DE APA Eng. Grigore I., Ph.D. Eng. Sorica C., Ph.D. Eng. Vladut V., Ph.D. Stud. Eng. Matache M., Ph.D. Stud. Eng. Cujbescu D., Ph.D. Stud. Eng. Sorica E. INMA Bucharest / Romania Phone: +40212693250; E-mail: ionica_grigore2001@yahoo.com</p>	
14⁰⁰-15⁰⁰ Lunch			

INTERNATIONAL SYMPOSIUM *ISB-INMA TEH* 28 October 2016

SECTION 3 - FOOD INDUSTRY - ORAL PRESENTATION		SECTION 3 - FOOD INDUSTRY - POSTER PRESENTATION	
Chairman: Prof. Ph.D. Eng. VOICU Gheorghe / Assoc. Prof. Ph.D. Eng. KABAS Onder / Assoc. Prof. BEGEA Mihaela (Hall 2.3 - Politehnica University Library)		Chairman: Assoc. Prof. Ph.D. Biochem. FERDEŞ Mariana / Ph.D. Eng. ŻELAZIŃSKI Tomasz / Assoc. Prof. SELVI Kemal (Second Floor Lobby - Politehnica University Library)	
MECHANICAL BEHAVIOUR OF ROASTED AND UNROASTED OIL PALM KERNELS UNDER COMPRESSION LOADING / MECHANICKÉ CHOVÁNÍ PRAŽENÝCH A NEPRAŽENÝCHOLEJOVÝCH PALMOVÝCHJADER POD TLAKOVÝM ZATÍŽENÍM As. Lect. Ph.D. Eng. Kabutey A. ¹⁾ , Prof. Ph.D. Eng. Herák D. ¹⁾ , Lect. Ph.D. Eng. Dajbych O. ¹⁾ Ph.D. Stud. Eng. Akangbe O.L. ¹⁾ , Lect. Ph.D.Eng. Napitupulu R. ²⁾ , Lect. Ph.D. Pandiangan S. ³⁾ ¹⁾ Czech University of Life Sciences Prague, Faculty of Engineering / Czech Republic; ²⁾ University of HKBP Nommensen, Faculty of Engineering / Indonesia; ³⁾ University of HKBP Nommensen, Faculty of Agriculture / Indonesia Tel: +420 775 661 481, E-mail: kabutey@tf.czu.cz	9 ¹⁵ -9 ³⁵	RISK ASSESSMENT OF CEREAL FLOORS GRAIN INFESTATION IN THE SUPPLY CHAIN OF FARMING ENTERPRISES OF UKRAINE / ОЦІНКА РИЗИКУ ІНФІКОВАНОСТІ ЗЕРНА ЗЛАКОВИХ КУЛЬТУР ПАТОГЕННИМИ ГРИБАМИ В ПОСТАЧАЛЬНОМУ ЛАНЦЮГУ СІЛЬСЬКОГОСПОДАРСЬКИХ ГОСПОДАРСТВ УКРАЇНИ Dr., Ph.D. Pinchuk N. I. ¹⁾ , Prof. Ph.D.Kharytonov M.M. ²⁾ , As. Ph.D. Stud. Mykolenko S. Y. ²⁾ Vasylyeva T.L. ³⁾ , ¹⁾ Institute of Agriculture of Steppe Zone, Dnipropetrovsk, Ukraine; ²⁾ Dnipropetrovsk State Agrarian-Economic University, Dnipropetrovsk, Ukraine; ³⁾ Texas Tech University Health Science Center, Amarillo, TX, 79121, USA Tel: 380664844773; E-mail: ecohous@ukr.net	9 ¹⁵ -9 ³⁵
YIELD COMPONENTS OF MAIZE (ZEA MAYS L.) UNDER DIFFERENT CONVERSION TILLAGE SYSTEMS IN WEST MEDITERRANEAN IN TURKEY (Part 1) Assoc. Prof.Ph.D.Eng. Kabas O. ¹⁾ , Assoc. Prof.Ph.D.Eng. Selvi K.C. ²⁾ ¹⁾ Dept. Vocational School of Technical Science, Department of Machinery and Metal Technology, Akdeniz University, Antalya / Turkey; ²⁾ Dept. of Agricultural Machinery and Technologies Engineering, Agricultural Faculty, Ondokuz Mayıs University, Samsun, / Turkey E-mail: onderkabas@hotmail.com	9 ³⁵ -9 ⁵⁵	THE EFFECT OF SPELT ADDITION ON THE PROPERTIES OF EXTRUDED PRODUCTS WITH ENHANCED NUTRITIONAL PROPERTIES / WPŁYW DODATKU ORKISZU NA WŁASNOŚCI EKSTRUOWANYCH WYROBÓW O PODWYŻSZONYCH WŁASNOŚCIACH ŻYWIENIOWYCH PhD.Eng. Żelaziński T. ¹⁾ , PhD.D Sc. Eng. Ekielski E. ¹⁾ , MSc. Eng Siwek A. ²⁾ , Ph.D. Eng. Stachelska M. ²⁾ , Ph.D. Stud. Eng. Florczak I. ¹⁾ ¹⁾ Department of Production Management and Engineering, Warsaw University of Life Sciences– SGGW / Poland; ²⁾ Food Technology and Gastronomy Institute, Lomza State University of Applied Sciences / Poland. Tel: +48225934565; E-mail: tomasz_zelazinski@sggw.pl	9 ³⁵ -9 ⁵⁵
ESTIMATION OF WINTER WHEAT VARIETIES SUITABILITY FOR DIFFERENCE GROWTH OF LANDSCAPE CONDITIONS / ОЦІНКА ПРИДАТНОСТІ СОРТІВ ОЗИМОЇ ПШЕНИЦІ ДЛЯ ЗРОСТАННЯ В РІЗНИХ ЛАНДШАФТНИХ УМОВАХ Prof. Ph.D.Kharytonov M.M. ¹⁾ , Ph.D. Pashova V T, Ph.D. Mitsik O.O, Ph.D. Nazarenko M.M., Ph.D. Bagorka M.O. Dnipropetrovsk State Agrarian-Economic University, Dnipropetrovsk, Ukraine; Tel: 380664844773; E-mail: envteam@ukr.net	9 ⁵⁵ -10 ¹⁵	ASSESSMENT OF POULTRY DRESSING TABLE LAYOUT WITH RESPECT TO WORKSPACE ENVELOPE Tanbir Ahmad ¹⁾ , Nilesh N. Gaikwad ²⁾ , Yogesh Kumar ¹⁾ , Rahul K. Anurag ¹⁾ ¹⁾ Central Institute of Post-Harvest Engineering and Technology, Ludhiana141004, Punjab, India, ²⁾ National Research Centre on Pomegranate, Solapur 413 255, Maharashtra, India Tel: +60172189116; E-mail: tanbirvet05@rediffmail.com	9 ⁵⁵ -10 ¹⁵
THE INFLUENCE OF GRINDING DEGREE ON THE ACTIVE PRINCIPLES CONTENT OF THE INDIGENOUS SPECIES <i>Portulaca Oleracea</i> / INFLUENȚA GRADULUI DE MĂRUNIȚIRE ASUPRA CONȚINUTULUI ÎN PRINCIPII ACTIVE A SPECIEI INDIGENE <i>Portulaca Oleracea</i> PhD. Pharm. Popescu (Popiniuc) C. ^{1,5)} , Assoc. Prof. Ph.D. Pharm. Eng. Popescu C. ^{2,3)} , Eng. Manea Șt. ²⁾ , Eng. Găgeanu G. ⁴⁾ , Ph.D. Stud. Eng. Găgeanu I. ⁴⁾ , Ph.D. Eng. Vocea I. ⁵⁾ , Ph.D. Eng. Vlăduț V. ⁴⁾ , Ph.D. Pharm. Abbas H. ¹⁾ , Ch.Eng. Dune A. ²⁾ , Prof.Ph.D.Pharm. Lupuleasa D. ¹⁾ ¹⁾ University of Medicine and Pharmacy "Carol Davila" - Faculty of Pharmacy, Bucharest, Romania; ²⁾ S.C. HOFIGAL Export Import S.A., Bucharest / Romania; ³⁾ Faculty of Pharmacy, "Vasile Goldiș" Western University, Arad / Romania; ⁴⁾ INMA, Bucharest / Romania; ⁵⁾ Innergy (SC INNER Chi Nature srl), Constanta / Romania E-mail: popescu_carmen88@yahoo.com	10 ¹⁵ -10 ³⁰	CURRENT TRENDS IN TECHNICAL EQUIPMENT FOR SEPARATING IMPURITIES FROM CEREAL SEEDS, THEIR CONSTRUCTIVE AND FUNCTIONAL PARAMETERS / TENDINȚE ACTUALE PRIVIND ECHIPAMENTELE TEHNICE PENTRU SEPARAREA IMPURITAȚILOR DIN SEMINȚELE DE CEREALE, PRINCIPIILE LOR CONSTRUCTIVE ȘI FUNCȚIONALE PhD. Eng. Brăcăcescu C*, Ph.D. Eng. Ganea Christu I., Ph.D. Stud. Biol. Pruteanu A., Ph.D. Stud. Eng. Găgeanu I., Eng. Milea D. INMA Bucharest/ Romania E-mail: carmenbraca@yahoo.com	10 ¹⁵ -10 ³⁰
10³⁰-10⁵⁰ Coffee break			
REGULATING THE MOISTURE OF OILSEED MATERIAL IN A TOASTER FOR VEGETABLE OILS EXTRACTION / РЕГУЛІРАНЕ НА ВЛАЖНОСТТА НА ЗЪРНЕН МАТЕРИАЛ В ПЕКАЧ ЗА ИЗВЛИЧАНЕ НА РАСТИТЕЛНИ МАСЛА Lect. Ph.D. Eng. Kadirova S. Y. Rousse University "Angel Kunchev", Faculty of Electrical Engineering, Electronics And Automation / Bulgaria; Tel: 00359 877 089537; E-mail: skadirova@ecs.uni-rue.bg	10 ³⁰ -11 ¹⁰	THE INFLUENCE OF HARVESTING PROCEDURE ON THE QUALITY AND SAFETY OF PROPOLIS / INFLUENȚA PROCEDURII DE RECOLTARE ASUPRA CALITĂȚII ȘI SIGURANTEI PROPOLISULUI Phd.. Pharm. Abbas H. ¹⁾ , Assoc. Prof. Ph.D.Ch. Popescu C. ^{2,3)} , Ph.D.Stud.Eng. Mircea C. ⁴⁾ , Ph.D. Eng. Vlăduț V. ⁴⁾ , Prof. Ph.D. Pharm. Lupuleasa D. ¹⁾ ¹⁾ University of Medicine and Pharmacy "Carol Davila" Bucharest, Fac. of Pharmacy; ²⁾ Western University "Vasile Goldiș" Arad, Fac. of Pharmacy; ³⁾ SC HOFIGAL SA; ⁴⁾ INMA Bucharest E-mail: : popescu_carmen88@yahoo.com	10 ³⁰ -11 ¹⁰
CONTAMINANTS ALONG THE FOOD CHAIN AND THEIR IMPACT ON FOOD SAFETY / CONTAMINANȚI DE-A LUNGUL LANȚULUI ALIMENTAR ȘI IMPACTUL LOR ASUPRA SIGURANȚEI ALIMENTARE Lect. Ph.D. Cîrcî Al., Stud. Moisac A., Prof. Ph.D. Eng. Paraschiv G., Assoc Prof. Ph.D. Begea M. ¹⁾ University Politehnica of Bucharest / Romania E-mail: ela_begea@yahoo.com	11 ¹⁰ -11 ³⁰	STUDIES AND RESEARCHES ON LETTUCE GROWTH IN AQUAPONIC CULTURES / STUDII ȘI CERCETĂRI ASUPRA CREȘTERII ȘI DEZVOLTĂRII SALATEI VERZI ÎN CULTURI ACVAPONICE PhD. Stud. Eng. Laza E-A. ¹⁾ , Ph.D. Stud. Eng. Andrei S. ²⁾ INMA Bucharest – Branch Timisoara / Romania Tel: 0741122570; E-mail: eveline_anda@yahoo.com	11 ¹⁰ -11 ³⁰
INVESTIGATION OF THE EFFICIENCY OF AN ELECTRONIC SYSTEM FOR CONTROL OF THE MEAL PRETREATMENT TEMPERATURE IN VEGETABLE OIL EXTRACTION INSTALLATION Lect. Ph.D. Eng. Kadirova S.Y. ¹⁾ , Prof. Ph.D. Eng. Evstatiev I. B. ¹⁾ , Assoc. Prof Ph.D. Eng. Manukova A. V. ¹⁾ , Lect. Ph.D. Eng. Kolev Zh. D. ²⁾ , Ph.D. Stud. Eng. Gotsov Ts. A. ¹⁾ ¹⁾ University of Rousse, Faculty of Electrical Engineering Electronics and Automation / Bulgaria; ²⁾ University of Rousse, Agrarian and Industrial Faculty / Bulgaria; Tel: 00359 877 089 537; E-mail: skadirova@ecs.uni-ruse.bg	11 ³⁰ -11 ⁵⁰	DEHYDRO-FREEZING AS A NOVEL PROCESS FOR EXTENSION OF TOMATO SLICES SHELF LIFE / فناوری خشک کردن و انجماد به عنوان یک روش جدید برای افزایش ماندگاری و رقه های کوجه فرنگی Reihaneh Ahmadzadeh Ghavidel ¹⁾ , Mohammad Rasoul Baraee Nejad ¹⁾ , Mehdi Ghiafah Davoodi ²⁾ ¹⁾ Department of Food Science and Technology, Quchan Branch, Islamic Azad University, Quchan, Iran ²⁾ Technical and Engineering Research Section, Agricultural and Natural Resources Research Center of Khorasan Razavi, Iran E-mail: reahmadzadeh@yahoo.com	11 ³⁰ -11 ⁵⁰

<p>STUDIES OF MYCOTOXINS IN AGRICULTURAL COMMODITIES AND DIFFERENT FOOD MATRIXES / STUDIUL MICOTOXINELOR ÎN PRODUSELE AGRICOLE ȘI DIFERITE MATRICI ALIMENTARE Lect. Ph.D. Cîrîc A.¹⁾, Stud. Moisac A.²⁾, Prof. Ph.D. Eng. Biriș S.S.¹⁾, Assoc Prof. Ph.D. Begea M.¹⁾ ¹⁾University Politehnica of Bucharest / Romania, ²⁾ SC ICA Research & Development SRL / Romania E-mail: ela_begea@yahoo.com</p>	<p>11⁵⁰-12¹⁰</p>	<p>ECONOMICAL IMPORTANCE OF FEEDING THE WET FLATTENED CORN GRAINS / IMPORTANȚA ECONOMICĂ A FURAJĂRII BOABELOR DE PORUMB UMED APLATIZATE Ph.D. Eng. Ciobanu V.*¹⁾, Ph.D. Eng. Vișan A. L., Ph.D. Eng. Păun A., Eng. Bunduchi G. INMA Bucharest / Romania Tel: 0735740689; E-mail: dns.gabriela@yahoo.com</p>	<p>11⁵⁰-12¹⁰</p>
<p>MICROBIOLOGICAL MONITORING OF WATER SUPPLY BY THE DETECTION AND ENUMERATION OF Escherichia coli AND COLIFORM BACTERIA USING THE MEMBRANE FILTRATION METHOD / Lect. Ph.D. Eng. Safta V.V.*¹⁾, Eng. Ciucă V.C.²⁾ ¹⁾ University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania ²⁾ N.S. "Pasteur Institute" Bucharest / Romania Tel: 0724017310; E-mail: saftavictorviorel@yahoo.com</p>	<p>12¹⁰-12³⁰</p>	<p>CONSIDERATIONS ON THE TECHNOLOGIES FOR PLANTING FORESTRY SAPLINGS / CONSIDERAȚII PRIVIND TEHNOLOGIA DE PLANTARE A PUIEȚILOR FORESTIERI PhD. Stud. Eng. Mircea C.*¹⁾, PhD. Eng. Ciupercă R., PhD. Stud. Eng. Persu C., PhD. Stud. Eng. Cujbescu D., PhD. Eng. Vișan A.L., PhD. Eng. Ciobanu V.G. INMA Bucharest / Romania E-mail: costinmircea@yahoo.com</p>	<p>12¹⁰-12³⁰</p>
<p>12³⁰-12⁵⁰: Coffee break</p>			
<p>THE INFLUENCE OF VARIOUS PARAMETERS ON THE EFFICIENCY OF THE PROCESS OF SEPARATING MEDICINAL PLANTS / INFLUENȚA UNOR PARAMETRI ASUPRA EFICIENȚEI PROCESULUI DE SEPARARE LA PLANTELE MEDICINALE Ph.D. Stud. Biol. Pruteanu A.*¹⁾, Ph.D. Eng. Sorică C.¹⁾, Ph.D. Stud. Eng. Muscalu A.¹⁾, Ph.D. Eng. Brăcăcescu C.¹⁾, Ph.D. Eng. Danciu A.¹⁾, Ph.D. Stud. Eng. Birsan M.¹⁾, Ph.D. Eng. Ciobanu V.¹⁾ ¹⁾INMA Bucharest / Romania E-mail: pruteanu_agustina@yahoo.com</p>	<p>12⁵⁰-13¹⁰</p>	<p>EXPERIMENTAL RESEARCH ON WORKING QUALITATIVE INCATORS OF THE COMBINED SEPARATOR / CERCETARI EXPERIMENTALE PRIVIND INDICIILE CALITATIVE DE LUCRU AI SEPARATORULUI COMBINAT PhD. Stud. Eng. Birsan M.*¹⁾, Prof. Ph.D. Eng. Casandroi T.²⁾, PhD. Eng. Ciobanu V.¹⁾, Eng. Bunduchi G.¹⁾, PhD. Stud. Nitu M.¹⁾, Ph.D. Stud. Biol. Pruteanu A.¹⁾, Ph.D. Stud. Eng. Zăica Al.¹⁾, Ph.D. Stud. Eng. Sorică C.¹⁾ ¹⁾INMA Bucharest / Romania; ²⁾University Politehnica of Bucharest / Romania E-mail: marymmsa@yahoo.com</p>	<p>12⁵⁰-13¹⁰</p>
<p>STUDY ON THE HUMIDITY LOSS OF FODDER UNDER THE INFLUENCE OF THE AERATION AGENT / STUDIUL PIERDERII DE UMIDITATE A FURAJULUI SUB INFLUENȚA AGENTULUI DE AERARE PhD. Stud. Eng. Zăica A.*¹⁾, Ph.D. Eng. Nedelcu A., Ph.D. Eng. Ciupercă R., Ph.D. Eng. Popa L., Ph.D. Stud. Eng. Zăica Al., Ph.D. Eng. Sorică C. INMA Bucharest / Romania E-mail: acanpeanu@yahoo.com</p>	<p>13¹⁰-13³⁰</p>	<p>TRENDS IN ACHIEVING COMPOSITE MATERIALS FOR REDUCING THE IMPACT ON THE ENVIRONMENT / TENDINȚE ÎN REALIZAREA MATERIALELOR COMPOZITE ÎN SCOPUL REDUCERII IMPACTULUI ASUPRA MEDIULUI Eng. Gyorgy Z., Ph.D. Eng. Cota C-tin, Ph.D. Eng. Ciocia N., PhD. Stud. Nagy E. M.* INMA Bucharest / Romania E-mail: nagy_m2002@yahoo.co.uk</p>	<p>13¹⁰-13³⁰</p>
<p>MECHANICAL PROCESSING OF CAMELINA SEEDS FOR ASSURING THE CONDITIONS REQUIRED BY THE CAPITALIZATION OF BYPRODUCTS AS FODDER RESOURCES / PROCESAREA MECANICĂ A SEMINTELOR DE CAMELINĂ ÎN VEDEREA ASIGURĂRII CONDIȚIILOR NECESARE PENTRU VALORIFICAREA SUBPRODUSELOR CA RESURSE FURAJERE Ph.D. Eng. Nedelcu A.*¹⁾, Ph.D. Eng. Găgeanu P.¹⁾, Ph.D. Eng. Toma S.²⁾, Ph.D. Eng. Dragomir C.²⁾, Ph.D. Eng. Popa L.¹⁾, Ph.D. Eng. Ciupercă R.¹⁾, Eng. Zăica A.¹⁾ ¹⁾INMA Bucharest, ²⁾IBNA Balotești Tel: 0212693250; E-mail: nedelcu.ancuta@yahoo.com</p>	<p>13³⁰-13⁴⁵</p>	<p>CONSIDERATIONS ON THE BIODEGRADABILITY OF COMPOSITE BIO-PLASTICS USED IN AGRICULTURE / CONSIDERAȚII PRIVIND BIODEGRADABILITATEA BIOPLASTICELOR COMPOZITE UTILIZATE ÎN AGRICULTURĂ PhD. Stud. Nagy E. M.*¹⁾, Ph.D. Eng. Cota C-tin, Ph.D. Eng. Ciocia N., Eng. Gyorgy Z. INMA Bucharest / Romania E-mail: nagy_m2002@yahoo.co.uk</p>	<p>13³⁰-13⁴⁵</p>
<p>INFLUENCE OF RYE FLOUR DURING THE KNEADING OPERATION – A REVIEW / INFLUENȚA FĂINII DE SECARĂ ÎN TIMPUL OPERAȚIEI DE FRĂMÂNTARE - REVIEW As. Ph.D. Stud. Eng. Munteanu M. G.¹⁾, Prof. Ph.D. Eng. Voicu Gh.¹⁾, Lect. Ph.D. Eng. Ionescu M.¹⁾, Lect. Ph.D. Eng. Ștefan E. M.¹⁾, Lect. Ph.D. Constantin Al. G.¹⁾, As. Ph.D. Stud. Eng. Zăbavă B. Șt.¹⁾ ¹⁾ University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; Tel: 0767236522; E-mail: munteanumaya@yahoo.com</p>	<p>13⁴⁵-14⁰⁰</p>	<p>CONSIDERATIONS ON RECIRCULATING AQUACULTURE SYSTEMS / CONSIDERAȚII PRIVIND SISTEMELE ACVACOLE RECIRCULANTE Phd. Stud. Eng. Andrei S.*¹⁾, Phd. Stud. Eng. Laza Evelin, Phd. Eng. Păun A., Eng. Marian M. INMA Bucharest / Romania E-mail: andrei_sg85@yahoo.com</p>	<p>13⁴⁵-14⁰⁰</p>
<p>14⁰⁰-15⁰⁰: Lunch</p>			

INTERNATIONAL SYMPOSIUM *ISB-INMA TEH* 28 October 2016

SECTION 1 - POWER AND MACHINERY - POSTER PRESENTATION		SECTION 2 - ECOLOGY & ENVIRONMENT - POSTER PRESENTATION	
Chairman: Prof. Ph.D. Eng. SĂRĂCIN Ion / Assoc. Prof. Ph.D. Eng. ATANASOV Atanas / Ph.D. Eng. MATACHE Mihai (Second Floor Lobby - Politehnica University Library)		Chairman: Prof. Ph.D. Eng. BIRIȘ Sorin / Assoc. Prof. Ph.D. Eng. PANDIA Olimpia / Ph.D. Eng. SORICA Cristian (Second Floor Lobby - Politehnica University Library)	
WAYS OF MICRO TURBINE PLANTS USE IN AGRICULTURE / ВАРИАНТЫ ИСПОЛЬЗОВАНИЯ МИКРО ГАЗОТУРБИНЫХ УСТАНОВОК В СЕЛЬСКОМ ХОЗЯЙСТВЕ Kulagin I.V. The All-Russian Scientific-Research Institute for Electrification of Agriculture (The ARIEA), Moscow, Russia Tel +79689660946; E-mail: koulajin@gmail.com	15 ⁰⁰ -15 ⁰⁵	TECHNOLOGY AND POLICY PATHWAYS FOR RECLAMATION OF SALT AFFECTED LANDS IN INDO-GANGETIC PLAIN Ph.D. Eng. N K Tyagi ¹⁾ , Ph.D. Agri. Econ. P K Joshi ²⁾ ¹ Independent Researcher, and former Director Central Soil Salinity Research Institute Karnal, India ² Director, International Food Policy Research Institute-South Asia, New Delhi, India E-mail: nktyagi1947@gmail.com	15 ⁰⁰ -15 ⁰⁵
SUPERIOR VALORISATION OF SOYBEAN SEEDS IN ANIMAL FEED USING DRY EXTRUSION PROCESSING OF SEEDS / VALORIFICAREA SUPERIOARĂ A SEMINTELOR DE SOIA ÎN HRANA ANIMALELOR UTILIZĂND PRELUCRAREA PRIN EXTRUDARE USCATĂ A SEMINTELOR PhD.Eng. Păun A.*, Eng. Milea D., Eng. Ionita Gh., PhD.Eng. Gageanu P., PhD.Eng. Nedelcu A., PhD. Eng. Brăcăcescu C. INMA Bucharest / Romania E-mail: ani_paun@yahoo.com	15 ⁰⁵ -15 ¹⁰	EXPERIMENTAL EVALUATION OF LOW LEVEL BIOETHANOL-GASOLINE BLENDS ON ENGINE PERFORMANCE AND EMISSIONS / ZEMAS KONCENTRĀCIJAS BIOETANOLA-BENZĪNA MAISIĀJUMU IETEKMES UZ MOTORA DARBĪBU UN EMISIĀM EKSPERIMENTĀLAIS IZVĒRTĒJUMS Assist. Prof. Ph.D. Eng. Smigins R. Latvia University of Agriculture, Faculty of Engineering / Latvia E-mail: ruslans.smigins@llu.lv	15 ⁰⁵ -15 ¹⁰
THE RESEARCH OF DOWNDRAFT GAS PRODUCER HEAT PRODUCTIVITY ON STRAW / ДОСЛІДЖЕННЯ ТЕПЛОПРОДУКТИВНОСТІ ПРЯМОПОТОКОВОГО ГАЗОГЕНЕРАТОРА НА СОЛОМИ S.Lect. Ph.D. Tsyvenkova N.M. ¹⁾ , Teach.Assis. Grad.Stud. Golubenko A.A. ¹⁾ , Prof. D.Sc. Kukharets S.M. ¹⁾ , Assis.Prof. Ph.D. Biletsky V.R. ²⁾ ¹⁾ Mechanics and Agroecosystems Engineering Department, Zhytomyr National Agroecological University / Russia, ²⁾ Forestry Faculty, Zhytomyr National Agroecological University / Russia tel: +380503138903, E-mail: thyvenkova@yandex.ru	15 ¹⁰ -15 ¹⁵	MANAGEMENT OF AGRO-ZOOTECHNICAL BIOMASS IN MICRO-FARMS. CASE STUDY-ROMANIA / MANAGEMENTUL BIOMASEI AGRO-ZOOTEHNICE IN MICROFERME. STUDIUL DE CAZ-ROMANIA Deac T. ¹⁾ , Nagy E.M. ²⁾ , Deac M. ¹⁾ , Fecete L. ¹⁾ , Filip N. ¹⁾ , Gyorgy Z. ²⁾ ¹⁾ Technical University of Cluj-Napoca, ²⁾ INMA Bucharest E-mail: teodora.deac@auto.utcluj.ro	15 ¹⁰ -15 ¹⁵
CONSIDERATIONS ON APPLYING OF PHOTOVOLTAIC SYSTEMS IN AGRICULTURE / CONSIDERATII PRIVIND APLICAREA SISTEMELOR FOTOVOLTAICE IN AGRICULTURA Eng. Epure M.*, PhD.Stud.Eng. Gageanu I. INMA Bucharest Tel: 0770890750; E-mail: secretariat@inma.ro	15 ¹⁵ -15 ²⁰	ECONOMIC ASSESSMENT OF TECHNOLOGIES FOR CONVERTING RENEWABLE ENERGY / EVALUAREA ECONOMICA A TEHNOLOGIILOR DE CONVERSIE A ENERGIIOR REGENERABILE Deac M. ¹⁾ , Cota C. ²⁾ , Deac T. ¹⁾ , Gaspar F. ¹⁾ , Filip N. ¹⁾ , Gyorgy Z. ²⁾ ¹⁾ Technical University of Cluj-Napoca, ²⁾ INMA Bucharest E-mail: teodora.deac@auto.utcluj.ro	15 ¹⁵ -15 ²⁰
INNOVATIVE TECHNOLOGY FOR THE MAINTENANCE OF TREE PLANTATIONS SITUATED IN RURAL AREAS BY SOIL WORK, ROOT CUTTINGS AND PRECISION FOLIAR FERTILIZATION / TEHNOLOGIE INOVATIVĂ DE ÎNȚEȚINERE A PLANTAȚILOR POMICOLE AFLATE ÎN ZONELE RURALE PRIN LUCRĂRI ALE SOLULUI, TĂIERI DE RĂDĂCINĂ ȘI FERTILIZARE FOLIARĂ DE PRECIZIE PhD.Eng. Marin E.*, PhD.Eng. Vlăduț V., PhD.Eng. Păun A., PhD.Eng. Mateescu M., PhD.Eng. Manea D., PhD.Stud.Eng. Gheorghe G. INMA Bucharest / Romania E-mail: marin_43eu@yahoo.com	15 ²⁰ -15 ²⁵	BIOREACTOR SYSTEMS FOR WASTE TREATMENT USED IN ORDER TO ACHIEVE BIOGAZ BY DRY DIGESTION / SISTEME DE BIOREACTOARE FOLOSITE PENTRU TRATAREA DEȘEURILOR UTILIZATE PENTRU OBTINEREA DE BIOENERGIE (BIOGAZ) PRIN DIGESTIE USCATĂ PhD.Eng. Voicea I.*, Ph.D. Stud. Eng. Cujbescu D. ¹⁾ , Ph.D. Stud. Eng. Nițu (Roșu) M. ¹⁾ , Ph.D. Stud. Eng. Persu C. ¹⁾ , PhD. Eng. Matache M. ¹⁾ , PhD. Eng. Vlăduț V. ¹⁾ , PhD. Eng. Dincă M. ²⁾ , PhD. Eng. Moiceanu G. ²⁾ , Lect. PhD. Eng. Ungureanu N. ²⁾ PhD. Eng. Toma L. ²⁾ ¹⁾ INMA, Bucharest / Romania; ²⁾ UPB Bucharest / Romania E-mail: voicea_iulian@yahoo.com	15 ²⁰ -15 ²⁵
ENERGY PERFORMANCE OF AN INDUSTRIAL SECTOR - CASE STUDY OF CARNAUD METAL BOX. IKEJA LAGOS NIGERIA Ologunye O.B. ¹⁾ , Adedeji M.A. ¹⁾ , Familusi T.O. ²⁾ ¹⁾ Department of Mechanical Engineering Technology, Federal Polytechnic, Ede, Osun State, Nigeria ²⁾ Science Laboratory Department, Osun State Polytechnic, Iree, Osun State, Nigeria. E-mail: maadedeji@fptb.edu.ng	15 ²⁵ -15 ³⁰	CONSIDERATIONS ON CEREAL SEEDS TREATMENT WITH A ROTATING DRUM EQUIPMENT / CONSIDERATII PRIVIND TRATAREA SEMINTELOR DE CEREALE CU UN ECHIPAMENT CU CUVĂ ROTATIVĂ PhD.Stud.Eng.Zaica Al.*, Ph.D. Eng. Manea D., Ph.D. Eng. Paun A., PhD.Stud.Eng Nitu M., PhD.Stud.Eng Zaica A., Ph.D. Eng. Sorică C. INMA Bucharest / Romania E-mail: zaica_alexandru@yahoo.com	15 ²⁵ -15 ³⁰
USING THE METHOD OF FAILURE AXLE FOR A STUDY CONCERNING THE SAFE FUNCTION OF A TECHNICAL SYSTEM / FOLOSIREA METODEI ARBORILOR DE DEFECTARE PENTRU STUDIUL SIGURANȚEI ÎN FUNCȚIONAREA UNUI SISTEM TEHNIC Lect. PhD Eng. Mihai P., Assoc. Prof. Ec. Vlăduț O.*, Lect. Ph.D. Eng. Duțu M.F., PhD. Stud. Eng. Vlăduț D.-I., Lect. Ph.D. Eng. Duțu I.-C. University Polytechnica of Bucharest E-mail: oanavladut2016@gmail.com	15 ³⁰ -15 ³⁵	INTEGRATED USE OF BIOENERGY CONVERSION TECHNOLOGIES IN AGROECOSYSTEMS / КОМПЛЕКСНЕ ВИКОРИСТАННЯ ТЕХНОЛОГІЙ БІОЕНЕРГЕТИЧНОЇ КОНВЕРСІЇ У АГРОЕКОСИСТЕМАХ Doctor of Engineering Science Golub G.A. ¹⁾ , Doctor of Engineering Science Kukharets S.M. ²⁾ , Ph.D. Eng. Yarosh Y.D. ²⁾ , Ph.D. Econ. Kukharets V.V. ²⁾ ¹⁾ National University of Life and Environmental Sciences of Ukraine / Ukraine, ²⁾ Zhytomyr National Agroecological University / Ukraine Tel:+380676653548, E-mail:saveliy_76@ukr.net	15 ³⁰ -15 ³⁵
MATHEMATICAL MODEL FOR THE FORECAST OF THE ELECTRICAL ENERGY CONSUMPTION / MODEL MATEMATIC PENTRU PROGNOZA CONSUMULUI DE ENERGIE ELECTRICĂ Assoc. Prof. Ec. Vlăduț O.*, Lect. Ph.D Eng. Mihai P., Lect. Ph.D. Eng. Duțu M.F., Lect. Ph.D. Eng. Duțu I.-C., PhD Stud. Eng. Vlăduț D.-I., Eng. Popescu C. University Politehnica of Bucharest E-mail: oanavladut2016@gmail.com	15 ³⁵ -15 ⁴⁰	ECOLOGICAL NICHES AND SPATIAL DISTRIBUTION OF SOIL MESOFAUNA IN SODDY-LITHOGENIC SOILS ON LOESSIAL SANDY LOAMS:CASE OF NIKOPOLMANGANESEORE BASIN Andrusevych K. ¹⁾ , Bensehoub A. ¹⁾ ¹⁾ Department of Ecology and Environment Protection, State Agrarian and Economic University, Dnipropetrovsk / Ukraine E-mail: bensehoub@yahoo.fr	15 ³⁵ -15 ⁴⁰
A NEW DESIGN CONCEPT: BENCH FOR DAILY ACTIVITIES / UN NOU DESIGN CONCEPT: BANCA PENTRU ACTIVITĂȚILE ZILNICE Lect. Ph.D. Eng. Avramescu A.-M. ¹⁾ , Lect. Ph.D. Eng. Dobre C.-G. ²⁾ ¹⁾ University Politehnica of Bucharest, Faculty of Aerospace Engineering / Romania ²⁾ University Politehnica of Bucharest, Faculty of Mechanical Engineering and Mechatronics / Romania Tel: 0724594846; E-mail: avr_ana@yahoo.com	15 ⁴⁰ -15 ⁴⁵	CONSIDERATIONS ON OBTAINING BIOMASS PELLETS / CONSIDERAȚII ASUPRA OBTINERII PELETELOR DIN BIOMASĂ PhD. Stud. Eng. Găgeanu I. ¹⁾ , Prof. Ph.D. Eng. Voicu Gh. ²⁾ , PhD. Eng. Vlăduț Valentin ¹⁾ , PhD. Eng. Voicea I., Eng. Bunduchi G. ¹⁾ INMA Bucharest/ Romania; ²⁾ University Politehnica of Bucharest/ Romania Tel: +40762676642; E-mail: iulia.gageanu@gmail.com	15 ⁴⁰ -15 ⁴⁵

<p>INSTALLATION FOR PRODUCING ORGANIC CERTIFIED SEEDS AND PLANTING MATERIAL, FOR FIELD CROPS / INSTALAȚIE DE PRODUCERE SĂMÂNȚĂ ȘI MATERIAL DE PLANTAT, CERTIFICATE ECOLOGIC, LA CULTURILE DE CÂMP PhD.Eng. Păun A., PhD.Eng. Marin E., Eng. Milea D., Eng. Bogdanof. G., Eng. Ionita Gh., Eng. Bunduchi G. INMA Bucharest / Romania E-mail: ani_paun@yahoo.com</p>	<p>15⁴⁵-15⁵⁰</p>	<p>WATER REQUIREMENTS FOR MAJOR CROP PRODUCTION UNDER CLIMATE CHANGE IN EGYPT Hesham, A. Farag¹), Tarek H. Mohamed¹), M.A. EL-ATAR¹), Hazem Sayed Mehawed¹), Hanafi A.Radwan¹), Samir M. Saleh²) ¹Agricultural Engineering Research Institute, Agricultural Research Center (ARC), Cairo-Egypt; ²Central Laboratory for Agricultural Climate, Egypt E-mail: hesham@aenri.org</p>	<p>15⁴⁵-15⁵⁰</p>
<p>COMPARATIVE ASSESSMENT OF OKRA (HIBISCUS ESCULENTUS) PERFORMANCE UNDER IMPROVED DRIP AND SPRINKLER IRRIGATION SYSTEMS M.O. Amoo¹), Adedeji M.A.²), Ali G.A.²), Lasisi M.O.¹) ¹Department of Agricultural and Bio-Environmental Engineering, Federal Polytechnic, Ado-Ekiti, Ekiti State, Nigeria ²Department of Mechanical Engineering Technology, Federal Polytechnic, Ede, Osun State, Nigeria E-mail: maadedejij@fptb.edu.ng +234-7068154452</p>	<p>15⁵⁰-15⁵⁵</p>	<p>THE USE OF BIO-PRODUCTS BASED ON MICROORGANISMS - POSSIBLE FACTOR OF A SUSTAINABLE AGRICULTURE / UTILIZAREA BIOPRODUSELOR PE BAZA DE MICROORGANISME - POSIBIL FACTOR PENTRU O AGRICULTURA DURABILA PhD.Biol. Fendrihan S. Research-Development Institute for Plant Protection, Bucharest / Romania E-mail: ecologos23@yahoo.com</p>	<p>15⁵⁰-15⁵⁵</p>
<p>STUDY ON IRRIGATION SYSTEMS IN AREAS THREATENED BY DESERTIFICATION / STUDIUL PRIVIND SISTEMELE DE IRIGAȚII ÎN ZONELE AMENINȚATE DE DEȘERTIFICARE PhD. Eng. Manea D.*, PhD. Eng. Marin E., PhD. Stud. Eng. Dumitrascu A., PhD. Eng. Mateescu M., PhD. Stud. Eng. Gheorghe G. INMA Bucharest E-mail: manea_dragos_05@yahoo.com</p>	<p>15⁵⁵-16⁰⁰</p>	<p>CONSIDERATIONS ON THE RECOVERY OF PHOSPHORUS FROM MANURE / CONSIDERAȚII PRIVIND RECUPERAREA FOSFORULUI DIN DEJEȚII ANIMALIERE PhD. Eng. Danciu A.¹), Eng. Găgeanu G.¹), Eng. Grigore I.¹), Eng. Cristea (Danciu) M.A.²), PhD. Eng. Sorică C.¹) INMA Bucharest / Romania; ²) ROMWEST INTERNATIONAL SRL E-mail: danciu_aurel1@yahoo.com</p>	<p>15⁵⁵-16⁰⁰</p>
<p>EXPERIMENTAL RESEARCHES ON THE FORCES AND STRESSES INSIDE COUPLING DEVICES – REVIEW / CERCETĂRI EXPERIMENTALE PRIVIND FORȚELE ȘI SOLICITĂRILE DIN DISPOZITIVELE DE CUPLARE - REVIEW PhD. Stud. Mircea D. I.¹), Prof. PhD. Eng. David L.¹), Prof. PhD. Eng. Biris S.Șt.¹), Assoc. Prof. Savin L.²), Assoc. Prof. PhD. Eng. Atanasov A.³), PhD. Eng. Ciupercă R.⁴), PhD. Stud. Eng. Găgeanu I.⁴), PhD. Eng. Vlăduț V.⁴), PhD. Eng. Neacșu Fl.⁵) ¹P.U. Bucharest; ²University of Novi Sad, Serbia; ³University "Anghel Kanchev" Russe, Bulgaria; ⁴INMA Bucharest, ⁵NHR Agropartners / Romania E-mail: mircea.ionut@gmail.com</p>	<p>16⁰⁰-16⁰⁵</p>	<p>CONSIDERATIONS ON THE EQUIPMENT USED FOR WASTEWATER SETTLING – A REVIEW / CONSIDERAȚII PRIVIND ECHIPAMENTELE UTILIZATE PENTRU DECANTAREA APELOR UZATE - REVIEW As. Ph.D. Stud. Eng. Zăbavă B.ȘT.¹), Prof. Ph.D. Eng. Voicu Gh.¹), Lect. Ph.D. Eng. Safta V.V.¹), Lect. Ph.D. Eng. Ungureanu N.¹), Lect. Ph.D. Eng. Dincă M.¹), Lect. Ph.D. Eng. Ionescu M.¹), As. Ph.D. Stud. Eng. Munteanu M.¹), Assoc. Prof. PhD. Ferdes M.¹) ¹ University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; Tel: 0731538941; E-mail: bianca.dragoiu@yahoo.com</p>	<p>16⁰⁰-16⁰⁵</p>
<p>EXPERIMENTAL RESEARCHES ON THE WORKING PROCESS OF COMPLEX AGGREGATES FOR SOIL PROCESSING – REVIEW / CERCETĂRI EXPERIMENTALE PRIVIND PROCESUL DE LUCRU AL AGREGATELOR COMPLEXE DE LUCRAT SOLUL - REVIEW PhD. Stud. Vlăduț D. I.¹), Prof. PhD. Eng. David L.¹), Prof. PhD. Eng. Biris S.Șt.¹), Asist.Prof. Dr. Kabas O.²), Asist.Prof. Dr. SELVI K. Cagatay³), PhD. Stud. Eng. Cujbescu D.⁴), PhD. Stud. Eng. Găgeanu I.⁴), PhD. Eng. Vlăduț V.⁴) ¹P.U. Bucharest; ²Akdeniz University, Antalya, Turkey; ³ Ondokuz Mayıs University, Samsun, Turkey; ⁴INMA Bucharest E-mail: v_vladuta@yahoo.com</p>	<p>16⁰⁵-16¹⁰</p>	<p>DECONTAMINATION OF AGRICULTURAL SOIL POLLUTED WITH LEAD USING A SUNFLOWER HELIANTHUS ANNUUS / DÉCONTAMINATION D'UN SOL AGRICOLE POLLUÉ PAR LE PLOMB (PB) À L'AIDE DE TOURNOSOL COMMUN HELIANTHUS ANNUUS Zerrouki D.¹), Boukirat D., Maatoug M., Mokhtar A. Laboratory of Agro Biotechnology and Nutrition in Semi-arid Zones, Faculty of Natural Sciences and Life. Ibn-Khalidun University - Tiaret, Algeria E-mail: envteam@ukr.net</p>	<p>16⁰⁵-16¹⁰</p>
<p>MODIFYING THE POTATO DIGGER CONVEYOR ROLLS TO SUIT THE EGYPTIAN CONDITIONS / تطوير الوسائد الدوارة لحصيرة آلة تقطيع البطاطس لتناسب الظروف الزراعية المصرية PhD.Eng. Tarek H. Mohamed¹), PhD.Eng. Mokhtar C. Ahmed¹), PhD.Eng. Hanafi A.Radwan²) ¹ Researcher, Agric. Eng. Research Institute (AEnRI), Dokki, Giza / Egypt ² Senior Researcher, Agric. Eng. Research Institute (AEnRI), Dokki, Giza / Egypt Tel: +20105078582; E-mail: tarekqg@hotmail.com</p>	<p>16¹⁰-16¹⁵</p>	<p>CLIMATE CHANGE EFFECTS IN AGRICULTURE ENGINEERING. A REVIEW / EFECTELE SCHIMBARILOR CLIMATICE IN INGINERIA AGRICOLA. SINTEZA Assist. Prof. PhD. Eng. Rares Halbac-Cotoara-Zamfir Politehnica University Timisoara, Department of Hydrotechnics E-mail: raresh_81@yahoo.com</p>	<p>16¹⁰-16¹⁵</p>
<p>SPECIFIC TECHNOLOGIES AND TECHNICAL EQUIPMENT USED IN ORCHARDS / TEHNOLOGII ȘI ECHIPAMENTE TEHNICE SPECIFICE UTILIZĂRII ÎN PLANTAȚILE POMICOLE PhD.Eng.Popa L.¹), PhD.Eng.Nedelcu A.¹), PhD.Eng.Tănăsescu N.²), PhD.Eng.Chitu E.²), PhD.Eng.Veringă D.³), PhD.Eng.Ciupercă R.¹), PhD.Stud.Eng.Zaica A.¹) ¹ INMA Bucharest, ²ICDP Mărăcineni, ³ICDIMP-HORTING Bucharest / Romania E-mail: lucretia_popa@yahoo.com</p>	<p>16¹⁵-16²⁰</p>	<p>CURRENT TRENDS IN AGRICULTURAL WATER ENGINEERING ANSWERING TO CLIMATE CHANGES CHALLENGE / TENDINTE ACTUALE IN INGINERIA APEI DIN AGRICULTURA CA RASPUNS LA PROVOCARILE SCHIMBARILOR CLIMATICE Assist. Prof. PhD. Eng. Rares Halbac-Cotoara-Zamfir Politehnica University Timisoara, Department of Hydrotechnics E-mail: raresh_81@yahoo.com</p>	<p>16¹⁵-16²⁰</p>
<p>CONSIDERATIONS ON THE EQUIPMENT USED WORLDWIDE FOR HARVESTING MISCANTHUS RHIZOMES / CONSIDERAȚII PRIVIND ECHIPAMENTELE UTILIZATE PE PLAN MONDIAL PENTRU RECOLTAREA RIZOMILOR DE MISCANTHUS PhD. Stud. Eng. Sorică E*, PhD. Eng. Sorică C., Eng. Grigore I., PhD. Stud. Eng. Rosu (Nitu) M., PhD. Stud. Eng. Zaica A., Ph.D. Stud. Eng. Birsan M., PhD. Stud. Eng. Zaica Al. INMA Bucharest E-mail: postelnicu.elena@yahoo.com</p>	<p>16²⁰-16²⁵</p>	<p>INTEGRATED WASTE MANAGEMENT / GESTIONAREA ȘI MANAGEMENTUL INTEGRAT AL DEȘEURILOR PhD. Eng. Voicea I.*, Ph.D. Stud. Eng. Cujbescu D.¹), Ph.D. Stud. Eng. Nitu (Roșu) M.¹), Ph.D. Stud. Eng. Persu C.¹), PhD. Eng. Matache M.¹), Ph.D. Eng. Vlăduț V.¹), Ph.D. Eng. Dincă M.²), Ph.D. Eng. Moiceanu G.²), Ph.D. Eng. Ungureanu N.²) PhD. Eng. Toma L.²) ¹INMA Bucharest / Romania; ²University Politehnica of Bucharest / Romania E-mail: voicea_julian@yahoo.com</p>	<p>16²⁰-16²⁵</p>
<p>OPTIMIZED TECHNOLOGY FOR MAIZE AND SUNFLOWER CROP PROTECTION / TEHNOLOGIE OPTIMIZATĂ DE PROTECȚIE A CULTURILOR DE PORUMB ȘI FLOAREA SOARELUI PhD.Eng. Mincea C.*, PhD.Stud.Eng. Dudoiu R., Eng. Popa D. Research-Development Institute for Plant Protection, Bucharest / Romania E-mail: carmenmincea@yahoo.com</p>	<p>16²⁵-16³⁰</p>	<p>TRANSFORMING POULTRY LITTER INTO ENVIRONMENTALLY SAFE FERTILIZER BY PELLETING / TRANSFORMAREA PRIN PELETIZARE A GUNOIULUI DE PASARE, IN INGRASAMINTE SIGURE PENTRU MEDIU Eng. Grigore I.*, PhD. Stud. Eng. Sorica E., PhD.Eng. Danciu A., Ph.D. Eng. Sorică C., PhD Stud.Eng. Muscalu A. INMA Bucharest/ Romania E-mail: ionica_grigore2001@yahoo.com</p>	<p>16²⁵-16³⁰</p>
<p>AUTOMATED SYSTEMS FOR DIRECTING WORKING BODIES AT AGRICULTURAL MACHINERY / SISTEME AUTOMATE DE DIRIJARE A ORGANELOR DE LUCRU LA MASINILE AGRICOLE Dipl. Eng. Anghel S.¹), Ph.D. Eng. Matache G.¹), Ph.D. Eng. Sovaiala Gh.¹), Ph.D. Eng. Blejan M.¹), Dipl. Eng. Alexe A.-M.¹) ¹ Hydraulics and Pneumatics Research Institute INOE 2000-IHP, Bucharest / Romania; Tel: 0213363991; E-mail: sava.ihp@fluidas.ro</p>	<p>16³⁰-16³⁵</p>	<p>CONSIDERATIONS ON USING OZONE IN VARIOUS DECONTAMINATION PROCESSES / CONSIDERAȚII PRIVIND UTILIZAREA OZONULUI IN CADRUL DIVERSELOR PROCESSE DE DECONTAMINARE PhD. Eng. Sorică C.*, PhD. Stud. Eng. Sorică E., PhD. Stud. Biol. Pruteanu A., Eng. Grigore I. INMA Bucharest / Romania Tel: 0728.045.004; Fax: 021/269.32.73; E-mail: cri_sor2002@yahoo.com</p>	<p>16³⁰-16³⁵</p>

<p>INFLUENCE OF SOAKING AGING TYPE ON SOME MECHANICAL PROPERTIES OF THE ALLOY AlZn5,7MgCu THE EXPERIMENTAL RESEARCH / INFLUENȚA TIPULUI DE TRATAMENT TERMIC DE ÎMBĂTRÂNIRE ASUPRA UNOR PROPRIETĂȚI MECANICE ALE ALIAJULUI AlZn5,7MgCu PRIN CERCETĂRI EXPERIMENTALE Prof. Ph.D.Habil.Saracin I.^{1,4)} Conf. Ph.D.Eng. Pandia O.²⁾ Lect.Ph.D. Eng.Neacsu M.³⁾ Ph.D. Eng. Ganea –Christu I.⁴⁾ University of Craiova, Faculty of Agriculture, Romania¹⁾ University of Agricultural Sciences and Veterinary Medicine Bucharest, Romania²⁾ University of Dunarea de Jos, Galati³⁾, INMA Bucharest⁴⁾ Tel: 0762142949; E-mail: ion_saracin@yahoo.com</p>	16 ³⁵ -16 ⁴⁰	<p>IMPROVED TECHNOLOGY FOR OBTAINING FUNGAL BIOINSECTICIDES DESIGNED TO PROTECT AGRICULTURAL AND SILVICULTURAL CROPS / TEHNOLOGIE OPTIMIZATĂ DE OBTINERE A BIOPREPARATELOR INOCULANTE DESTINATE PROTECȚIEI CULTURILOR AGRICOLE ȘI FORESTIERE Ph.D.Stud.Eng. Fătu A. C.*; Ph.D.Stud.Biol. Dinu M. M., Ph.D.Biol. Andrei A. M. Research-Development Institute for Plant Protection, Bucharest / Romania E-mail: cristina.fatu@icdpp.ro</p>	16 ³⁵ -16 ⁴⁰
<p>TECHNOLOGIES FOR THERMAL CONTROL OF WEEDS / TEHNOLOGII DE COMBATERE TERMICĂ A BURUIENILOR Ph.D. Stud. Muscalu A.*¹⁾, Ph.D. Eng. Bobit D.²⁾, Ph.D. Eng. Matache M.¹⁾ Ph.D. Stud. Eng. Barsan M.¹⁾, Ph.D. Stud. Biol. Pruteanu A.¹⁾ ¹⁾INMA Bucharest / Romania; ²⁾Dacia Plant SRL Bod Brasov/ Romania Tel: 021/269.32.50; Fax: 021/269.32.73; E-mail: amuscalis@yahoo.com</p>	16 ⁴⁰ -16 ⁴⁵	<p>RESEARCHES OF THE PHYSICAL CHARACTERISTICS FOR VARIOUS TYPES OF BIOMASS / CERCETĂRI PRIVIND CARACTERISTICILE FIZICE ALE DIFERITELOR TIPURI DE BIOMASA Ph.D.Stud. Eng. Găgeanu I., Eng. Găgeanu G. INMA Bucharest E-mail: iulia.gageanu@gmail.com</p>	16 ⁴⁰ -16 ⁴⁵
<p>RESEARCHES ON DETERMINING THE WEAR OF CHISEL TYPE ACTIVE BODIES IN HEAVY SOILS / CERCETĂRI PRIVIND DETERMINAREA UZURII UNOR ORGANE ACTIVE TIP DALȚA ÎN SOLURI GRELE Ph.D. Eng. Vlăduț V.¹⁾, Prof. Ph.D. Eng. Birși S.²⁾, Assoc. Prof. Ph.D. Eng. Bungescu S.³⁾, Ph.D. Eng. Marin E.¹⁾ Ph.D. Sud. Eng. Persu C.¹⁾, Eng. Grigore I.¹⁾, Lect. Ph.D. Eng. Ungureanu N.²⁾, Ph.D. Sud. Eng. Gheorghe G.¹⁾, Ph.D. Eng. Vocea I.¹⁾, Assoc. Prof. Ph.D. Eng. Ilea R.³⁾, Lect. Ph.D. Eng. Hărmănescu M.³⁾, Ph.D. Stud. Eng. Cujbescu D.¹⁾, Eng. Bolinteanu Gh.¹⁾ ¹⁾INMA Bucharest; ²⁾P.U. Bucharest; ³⁾USAMVB Timișoara E-mail: valentin_vladut@yahoo.com</p>	16 ⁴⁵ -16 ⁵⁰	<p>THE ASSESSMENT OF THE MAIN PARAMETERS THAT INFLUENCE THE EFFICIENCY OF A SOIL REMEDIATION TREATMENT / EVALUAREA PRINCIPALILOR PARAMETRI CARE INFLUENȚEAZĂ EFICIENȚA UNUI TRATAMENT DE REMEDIERE A SOLULUI Lecturer Ph.D.Eng. Istrate I. University Politehnica of Bucharest / Romania E-mail: ia_istrate@yahoo.com</p>	16 ⁴⁵ -16 ⁵⁰
<p>ESTABLISHING THROUGH EXPERIMENTAL RESEARCHES THE AERODYNAMIC DRAG COEFFICIENTS FOR GREENHOUSES LOCATED ON ROOFTOPS / STABILIREA PRIN CERCETĂRI EXPERIMENTALE A COEFICIENTILOR DE REZISTENȚA AERODINAMICĂ PENTRU SERELE AMPLASATE PE ACOPERȘURILE CLADIRILOR Prof.Ph.D.Eng. Brătucu Gh.*; Eng. Badiu E. C., Ph.D.Eng. Păunescu D. D. University Transylvania of Brașov E-mail: gh.bratucu@unitbv.ro</p>		<p>VARIATION OF MISCANTHUS CHIPPINGS DEPENDING ON TWO FUNCTIONAL PARAMETERS / VARIAȚIA TOCĂTURII DE MISCANTHUS FUNCȚIE DE DOI PARAMETRII FUNCȚIONALI Ph.D. Stud. Eng. Chițoiu M.*¹⁾, Prof. Ph.D. Eng. Voicu Gh.¹⁾, Prof. Ph.D. Eng. Paraschiv G.¹⁾, Ph.D. Eng. Moiceanu G.¹⁾ Lect. Ph.D. Eng. Dincă M.¹⁾, Eng. Bunduchi G.²⁾, Eng. Grigore I.²⁾, Eng. Găgeanu G.²⁾, Ph.D. Eng. Vlăduț V.²⁾ ¹⁾P.U. Bucharest / Romania ²⁾INMA Bucharest / Romania E-mail: chitoiu_mihai@yahoo.com</p>	
		<p>IMPROVED TREATMENT TECHNOLOGY THROUGH THE FLOATATION OF HEAVILY LOADED WATERS / TEHNOLOGIE ÎMBUNĂTĂȚITĂ DE EPURARE PRIN FLOTATIE A APELOR PUTERNIC ÎNCĂRCATE Matache M.*¹⁾, Covaliu C.²⁾, Petrescu G.³⁾ ¹⁾INMA Bucharest / Romania; ²⁾ University Politehnica of Bucharest / Romania; ³⁾DFR SYSTEMS SRL / Romania gabimatache@yahoo.com</p>	

<p>SECTION 4 - Workshop: “The management of waste for environmental protection” Chairman: Ph.D. Eng. LUPESCU Irina / Ph.D. Stud. Eng. MUSCALU Adriana Ph.D. Eng. VOICEA Iulian</p>	<p>(U.P. Bucharest Library, Building A, Hall 2.1) 16³⁰ – 17³⁰</p>
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<p>SECTION 5 - Workshop: “Innovative technologies and intelligent technical equipment destined for agriculture, forestry and food industry” Chairman: Prof. Ph.D. Eng. PIRNĂ Ion / VLĂDUȚ Valentin / Ph.D. Eng. PĂUN Anișoara / Eng. NEAGOE Valerica</p>	<p>(U.P. Bucharest Library, Building A, Hall 2.2) 16³⁰ – 17³⁰</p>
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<p>SECTION 6 - Workshop: “European services and partnerships” Chairman: Ph.D. Eng. MURARU-IONEL Cornelia / MURARU V. NEW MODELS OF INNOVATION FOR STRATEGIC CLUSTER PARTNERSHIPS – CLUSTERIX 2.0 / MODELE NOI DE INOVARE PENTRU PARTENERIATE STRATEGICE DE CLUSTER - CLUSTERIX 2.0 Ph.D. Eng. Muraru-Ionel C., Ph.D. Eng. Muraru V., Ph.D. Stud. Eng. Vlăduțoiu L., Eng. Muraru S. INMA Bucharest / Romania E-mail: cornelia.muraru.ionel@gmail.com SERVICES PROVIDED BY THE EUROPE ENTERPRISE NETWORK (EEN) / SERVICII ODERITE DE REȚEAUA EUROPEANĂ A ÎNTEPRINDERILOR Ph.D. Eng. Muraru-Ionel C., Ph.D. Eng. Muraru V., Ph.D. Stud. Eng. Vlăduțoiu L., Eng. Muraru S. INMA Bucharest / Romania E-mail: cornelia.muraru.ionel@gmail.com</p>	<p>(U.P. Bucharest Library, Building A, Hall 2.3) 16³⁰ – 17³⁰</p>	
	<p>AN INTERREGIONAL COOPERATION PROJECT FOR IMPROVING INNOVATION DELIVERY SERVICES - CLUSTERIX 2.0 / PROIECT DE COOPERARE INTERREGIONAL PENTRU ÎMBUNĂȚIREA FURNIZĂRII SERVICIILOR DE INOVARE Ph.D. Eng. Muraru-Ionel C., Ph.D. Eng. Muraru V., Ph.D. Stud. Eng. Vlăduțoiu L., Eng. Muraru S. INMA Bucharest / Romania E-mail: cornelia.muraru.ionel@gmail.com</p>	
	<p>PROMOTION OF ROMANIAN SMES THROUGH EUROPE ENTERPRISE NETWORK (EEN) / PROMOVAREA ÎNTEPRINDERILOR MICI ȘI MIJLOCII ROMĂNEȘTI PRIN INTERMEDIUL REȚELEI EUROPENE A ÎNTEPRINDERILOR Ph.D. Eng. Muraru-Ionel C., Ph.D. Eng. Muraru V., Ph.D. Stud. Eng. Vlăduțoiu L., Eng. Muraru S. INMA Bucharest / Romania E-mail: cornelia.muraru.ionel@gmail.com</p>	

INTERNATIONAL SYMPOSIUM *ISB-INMA TEH* 29 October 2016

07³⁰-20⁰⁰ – Field Trip: Bucharest – Popești-Leordeni, Frumușani – Pasărea – Gruiu – Crivăț – Hotarele – Greaca – Prundu (vegetable farm and pig farm) – Pietrele – Băneasa – Frasinu – Ploșșoru – Daia – Frătești – Remuș – Giurgiu – Slobozia (Dutch cattle farm) – Malu – Vede – Cetățuia (Cosma plant farm) – Vede – Malu – Slobozia – Giurgiu (Farm visit) - Bucharest;
14⁰⁰-17⁰⁰ – Lunch (Perla restaurant, Giurgiu).