



PRELIMINARY PROGRAM OF THE

INTERNATIONAL SYMPOSIUM

ISB-INMA TEH

**AGRICULTURAL AND MECHANICAL
ENGINEERING**

- 2017 -

26 – 28 October

University POLITEHNICA of Bucharest

26 October

- 09⁰⁰ - 09¹⁵ - **Registration of participants to Brokerage**
- 09¹⁵ - 10⁴⁵ - **BROKERAGE: Agriculture and mechanical engineering company mission (part I):**
Faculty of Biotechnical Systems Engineering (hall D-101)
- 10⁴⁵ - 11⁰⁰ - **Coffee break**
- 11⁰⁰ - 12⁴⁵ - **BROKERAGE: Agriculture and mechanical engineering company mission (part II):**
Faculty of Biotechnical Systems Engineering (hall D-101)
- 12⁴⁵ - 13¹⁵ - **Coffee break**
- 14⁰⁰ - 15⁰⁰ - **Registration of participants to ISB-INMA TEH 2017 Symposium**
(in front of Festivity Hall "Radu Voinea" - AN 010)
- 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**
 - **Prof. PhD. Eng. Valentin POPESCU, Director – MINISTRY OF NATIONAL EDUCATION;**
 - **Prof. PhD. Eng. George DARIE - UNIVERSITY POLITEHNICA OF BUCHAREST;**
 - **PhD. Eng. Valentin VLĂDUȚ, General Manager - NATIONAL INSTITUTE OF RESEARCH - DEVELOPMENT FOR MACHINES AND INSTALLATIONS DESIGNED TO AGRICULTURE AND FOOD INDUSTRY (INMA) – BUCHAREST, ROMANIA;**
 - **Michael JAUMANN - Director of the DAAD Bucharest Information Center;**
- **Plenary Presentations**
- 18³⁰ - ... - **Festive Dinner (Politehnica University Library – fourth floor)**

27 October

Politehnica University Library (3.1, 4.1, 4.2, fourth floor Lobby)

- 9⁰⁰ - 9¹⁵ - **Registration of participants**
- 9¹⁵ - 10³⁰ - **Presentation of papers on sections (ORAL)**
- 10³⁰ - 14⁰⁰ - **Chain advising: "Funding Opportunities for Romanian PhD-Students and Researchers in Germany"**
- 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 - **Roundtable: "Contribution of renewable energy resources from the agro-zootechnical field to environmental protection"**
- 17³⁰ - 18³⁰ - **Visit of the Laboratories of Faculty of Biotechnical Systems Engineering / INMA Bucharest**

28 October

- 7³⁰ - 20⁰⁰ - **Symposium Trip**
- 14⁰⁰ - 17⁰⁰ - **Lunch (VALAHIA University of Târgoviște)**

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BROKERAGE: Agriculture and mechanical engineering company mission

Chairman: PhD. Eng. Muraru-Ionel Cornelia, Prof. PhD. Eng. Maican Edmond

(U.P. Bucharest / Faculty of Biotechnical Systems Engineering, Hall D-001)

Organizer: INMA Bucharest

Co-organizers: University Politehnica of Bucharest; Business Support Centre for Small and Medium Size Enterprises-Ruse; Agency for Innovation and Technological Transfer; The Moldavian People's Association of Technology Transfer Networks; Romanian Center for Small and Medium Enterprises Foundation; SC IPA SA; the South-Muntenia Regional Development Agency

BROKERAGE: Agriculture and mechanical engineering company mission (part I)

09⁰⁰ - 10⁴⁵

10⁴⁵ - 11⁰⁰ Coffee break

BROKERAGE: Agriculture and mechanical engineering company mission (part II)

11⁰⁰ - 12⁴⁵

12⁴⁵ - 13¹⁵ Coffee break

SECTION 1 - POWER AND MACHINERY - ORAL PRESENTATION		SECTION 2 - ECOLOGY & ENVIRONMENT - ORAL PRESENTATION	
Chairman: Prof. PhD. Eng. BIRIȘ Sorin / Assist.Prof.Dr. SELVİ Kemal / Prof. Ph.D. Eng. PARASCHIV Gigel (Hall 3.1 - Politehnica University Library)		Chairman: PhD. Eng. DEÁK Gyorgy / Assoc. Prof. COVALIU Cristina / Ph.D. Eng. MATAACHE Mihai (Hall 4.1. -Politehnica University Library)	
KINEMATIC ANALYSIS OF THE MOTOR HEXADE (RRR-Ta-RRR-TRR) / ANALIZA CINEMATICA A HEXADEI MOTOARE (RRR-Ta-RRR-TRR) Prof. Ph.D. Eng. Moise V.*, Assoc. Prof. Ph.D. Eng. Tabără I., Lect. Ph.D. Eng. Dugășescu I., Asst. Prof. Ph.D. Eng. Dudici C.L., Asst. Prof. Ph.D. Eng. Niculae E., Asst. Prof.Ph.D.Stud.Eng. Rotaru A., Ph.D. Stud.Eng. Polena A. University Politehnica of Bucharest E-mail: victor.moise@yahoo.com	9 ¹⁵ -9 ³⁰	NANOPARTICLES APPLICATION IN WASTEWATER TREATMENT BY FLOTATION / APLICAREA NANOPARTICULELOR ÎN EPURAREA APELOR PRIN FLOTAȚIE Assoc. Prof. Ph.D. Eng. Covaliu C.I.* ¹⁾ , Prof. Ph.D. Eng. Paraschiv G. ¹⁾ , Prof. Ph.D. Eng. Biris S.Șt. ¹⁾ , Ph.D. Stud. Eng. Gageanu I. ²⁾ , Ph.D. Eng. Moga I.C. ³⁾ , Ph.D. Eng. Matache M. ²⁾ , Lect. Ph.D. Eng. Toma L. ¹⁾ ¹⁾ Politehnica University of Bucharest / Romania; ²⁾ INMA Bucharest / Romania; ³⁾ SC DFR SYSTEMS SRL / Romania E-mail: cristina_covaliu@yahoo.com	9 ¹⁵ -9 ³⁰
HYDRAULIC COMPONENTS FATIGUE ASSESSMENT BASED ON REAL-LIFE LOAD HISTORIES / EVALUACIÓN DE LA FATIGA DE COMPONENTES HIDRAULICOS BASADA EN HISTORIAS DE CARGA REAL Dr. Pere Roquet Fernández * ¹⁾ , Ing. Ind. Juan José Pérez ¹⁾ , Prof. Esteban Codina Macia ²⁾ , ¹⁾ Roquet Hydraulics, S.L. / Barcelona - SPAIN; ²⁾ LABSON-UPC / Barcelona - SPAIN *Tel: 00 34 93 8124664; E-mail: pereroquet@hotmail.com	9 ³⁰ -9 ⁴⁵	STUDY OF POLLUTED SOIL BIOLOGY / STUDIUL BIOREMEDIERII SOLURILOR POLUATE Assoc. Prof. Ph.D.Eng. Rusănescu C.O.* ¹⁾ , Conf. Ph.D.Eng. Begea M. ¹⁾ , Prof. Ph.D. Eng. Paraschiv G. ¹⁾ , Prof. Ph.D. Eng. Biriș S. Șt. ¹⁾ , Prof. Ph.D. Eng. Voicu G. ¹⁾ , Ph.D. Rusănescu M. ²⁾ ¹⁾ Politehnica University of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; ²⁾ Valplast Industry Bucharest E-mail: rusanescutilia@gmail.com	9 ³⁰ -9 ⁴⁵
PERFORMANCE TRENDS IN THE FIELD OF MACHINES FOR HARVESTING MEDICINAL AND AROMATIC PLANTS / TENDINȚE DE PERFORMANȚĂ ÎN DOMENIUL MAȘINILOR DE RECOLTAT PLANTE MEDICINALE ȘI AROMATICE Ph.D. Stud. Eng. Muscalu A.* ¹⁾ , Math. Cârdei P. ¹⁾ , Prof. Ph.D. Eng. David L. ²⁾ , Eng. Sfârșu R. ¹⁾ , Ph.D. Stud. Biol. Pruteanu A. ¹⁾ , Kathijotes N. ³⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ University Politehnica Bucharest / Romania; ³⁾ University of Nicosia / Cyprus E-mail: amuscalis@yahoo.com	9 ⁴⁵ -10 ⁰⁰	THE ROLE OF MATHEMATICAL MODELING IN RESEARCH IN THE FIELD OF BIOACCUMULATION OF HEAVY METALS / ROLUL MODELARII MATEMATICE IN CERCETARILE IN DOMENIUL BIOACUMULARII METALELOR GRELE Eng. Sfiru R.* ¹⁾ , Math. Cardei P.* ¹⁾ , Vlăduț V. ¹⁾ , Matache M. ¹⁾ ¹⁾ INMA Bucharest / Romania Tel: 021.269.32.55 E-mail: raluca_sfiru@yahoo.com	9 ⁴⁵ -10 ⁰⁰
EXPERIMENTAL RESEARCHES ON THE NOZZLES FLOW DISTRIBUTION OF SPRAYING MACHINES FOR FIELD CROPS / CERCETĂRI EXPERIMENTALE PRIVIND DISTRIBUȚIA DE DEBIT A DUZELOR MAȘINILOR DE STROPIT ÎN CULTURILE DE CÂMP Ph.D. Stud. Eng. Nițu (Roșu) M.* ¹⁾ , Prof. Emeritus Ph.D. Eng. Căsândriou T. ²⁾ , Math. Cârdei P. ¹⁾ , Ph.D. Eng. Matache M. ¹⁾ , Ph.D. Stud. Eng. Pruteanu A. ¹⁾ , Ph.D. Stud. Eng. Găgeanu I. ¹⁾ , Ph.D. Stud. Eng. Cujbescu D. ¹⁾ , Lect. Ph.D. Eng. Ungureanu N. ²⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ University Politehnica of Bucharest /Romania E-mail: rosumihaelan@yahoo.com	10 ⁰⁰ -10 ¹⁵	TECHNICAL PROPOSAL FOR IMPROVING THE SEPTAGE RECEIVING STATION IN BUCHAREST / PROPUNERE TEHNICĂ PENTRU ÎMBUNĂȚĂȚIREA STAȚIEI DE RECEPȚIE A NĂMOLULUI PARȚIAL TRATAT DIN BUCUREȘTI Pedon F. ¹⁾ , Rada E.C. ¹⁾ , Istrate I.* ²⁾ , Trincherio A. ³⁾ ¹⁾ University of Trento, Department of Civil, Environmental and Mechanical Engineering/ Italy; ²⁾ University Politehnica Bucharest, Faculty of Biotechnical Systems Engineering / Romania; ³⁾ WAMGROUP/ Italy E-mail: ia_istrate@yahoo.com	10 ⁰⁰ -10 ¹⁵
TECHNICAL ACHIEVEMENTS FOR IMPROVING THE WORKING PROCESS OF VERTICAL ROTOR HARROWS / REALIZARI TEHNICE PENTRU ÎMBUNĂȚĂȚIREA PROCESULUI DE LUCRU LA GRAPELE CU ROTOR VERTICAL Ph.D. Stud. Eng. Iordache V., Prof. Habil. Ph.D. Eng. Saracin I.* University of Craiova / Romania E-mail: ion_saracin@yahoo.com	10 ¹⁵ -10 ³⁰	CONSIDERATIONS REGARDING THE UTILIZATION OF MACHINES DESIGNED TO SHRED FOREST RESIDUES FOR BIOMASS PROCESSING / CONSIDERAȚII PRIVIND UTILIZAREA MAȘINILOR DE TOCAT RESTURI FORESTIERE ÎN PRELUCRAREA BIOMASEI Ph.D. Stud. Eng. Sorică E. ¹⁾ , Ph.D. Eng. Vlăduț V. ¹⁾ , Ph.D. Eng. Sorică C. ¹⁾ , Ph.D. Eng. Matache M. ¹⁾ , Ph.D. Stud. Eng. Cujbescu D. ¹⁾ , Ph.D. Stud. Eng. Mircea C. ¹⁾ , Eng. Grigore A. I. ²⁾ , Eng. Opreșcu M. R. ¹⁾ , Eng. Neagoie M. ¹⁾ , Eng. Leșeanu A. ¹⁾ ¹⁾ INMA Bucharest, ²⁾ MOV INVEST 2002 SRL Tel: 0722.487.889; Fax: 021/269.32.73; E-mail: postelnicu.elena@yahoo.com	10 ¹⁵ -10 ³⁰
10³⁰-10⁵⁰ : Coffee break			

<p>APPLICATION OF SYSTEMIC ANALYSIS METHOD OVER SOIL-TOOL INTERACTION / CERCETARI ASUPRA INTERACTIUNII SCULA-SOL PRIN APLICAREA METODEI DE ANALIZA SISTEMICA PhD. Eng. Fecete T.L.V.¹⁾, PhD. Eng. Ferenc G.¹⁾, PhD. Stud. Eng. Vladutoiu L.²⁾, Mat. Cardei P.²⁾, PhD. Stud. Eng. Sorica E.²⁾ ¹⁾Technical University of Cluj-Napoca / Romania; ²⁾INMA Bucharest / Romania Tel: 0741110559; E-mail: lucian.fecete@auto.utcluj.ro</p>	10 ⁵⁰ -11 ⁰⁰	<p>RECOVERY OF ORGANIC WASTE THROUGH COMPOSTING PROCESS / VALORIFICAREA PRIN COMPOSTARE A REZIDUURILOR ORGANICE Lect. Ph.D. Eng. Dincă M.¹⁾, Assoc. Prof. Ph.D. Eng. Ferdeş M.¹⁾, Prof. Ph.D. Eng. Paraschiv G.¹⁾, Lect. Ph.D. Eng. Ungureanu N.¹⁾, As. Ph.D. Stud. Eng. Zăbavă B.¹⁾, Lect. Ph.D. Eng. Ionescu M.¹⁾, Ph.D. Eng. Moiceanu G.¹⁾ ¹⁾ University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; Tel: 0761938017; E-mail: mirela_dilea@yahoo.com</p>	10 ⁵⁰ -11 ⁰⁰
<p>STATION FOR SEEDBED PREPARATION AND MAINTENANCE IN VEGETABLE GROWING / SECȚIE PENTRU FREZA DE PREGATIRE A PATULUI GERMINATIV SI INTRETINERE IN LEGUMICULTURA Prof. Habil. Ph.D. Eng. Saracin I.¹⁾, Ass. Prof. Ph.D. Eng. Pandia O.²⁾, Ph.D. Stud. Eng Saracin I.A.³⁾ ¹⁾University of Craiova/Romania; ²⁾ University of Agricultural Sciences and Veterinary Medicine Bucharest/Romania; ³⁾University Politehnica of Bucharest / Romania E-mail: ion_saracin@yahoo.com</p>	11 ⁰⁰ -11 ¹⁰	<p>TUTA ABSOLUTA - WHAT IMPACT FOR BIODIVERSITY? / TUTA ABSOLUTA – CE IMPACT ARE ASUPRA BIODIVERSITĂȚII? Eng. Husariu V., Prof. Ph.D. Eng. Badulescu L., Ph.D. Eng. Ciceoi R.* Research Center for Studies of Food Quality and Agricultural Products, University of Agronomic Sciences and Veterinary Medicine Bucharest / Romania E-mail: roxana.ciceoi@gmail.com</p>	11 ⁰⁰ -11 ¹⁰
<p>SOLID LUBRICATION WITH POWDER MoS2 BY SELF-REPAIRING AND SELF-REPLENISHING (MODELING AND EXPERIMENTATION) / LUBRIFICAREA SOLIDA CU PULBERE DE MoS2 PRIN AUTO-REPARARE SI AUTO REUMPLERE (MODELARE SI EXPERIMENTARE) Prof. Ph.D. Eng. Filip I. University "Politehnica" of Bucharest E-mail: ilie.filip@yahoo.com</p>	11 ¹⁰ -11 ²⁰	<p>RENEWABLE ENERGY IN CONTEXT OF STABLE DEVELOPMENT / ENERGIA REGENERABILA IN CONTEXTUL DEZVOLTARII DURABILE Assoc. Prof. Ph.D. Eng. Simion G.A.C.¹⁾, Lect. Ph.D. Eng. Dinca.M.¹⁾, Ph.D. Eng. Moiceanu G.¹⁾, Ph.D. Stud. Eng. Chitoiu M.¹⁾ University Polytechnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; Tel: 0749028182 E-mail :gacsimion@gmail.com</p>	11 ¹⁰ -11 ²⁰
<p>RESEARCH ON THE IMPLEMENTATION OF USING FEM ANALYSIS TO INCREASE THE TESTING EFFICIENCY FOR RESISTANCE STRUCTURE OF AGRICULTURAL TRACTORS CABINS / CERCETĂRI PRIVIND IMPLEMENTAREA UTILIZĂRII ANALIZEI CU ELEMENTE FINITE PENTRU CREȘTEREA EFICIENȚEI TESTĂRII STRUCTURILOR DE REZISTENȚĂ ALE CABINELOR TRACTOARELOR AGRICOLE Prof. Ph.D. Eng. Biriș S.Șt.¹⁾, Prof. Ph.D. Eng. Maican E.¹⁾, Lect. Ph.D. Eng. Ungureanu N.¹⁾, As. Ph.D. Stud. Eng. Gheorghită N.E.¹⁾, Ph.D. Stud. Eng. Perșu C.²⁾, Dr. Sc. Kovacev I.³⁾ ¹⁾ Politehnica University of Bucharest, / Romania; ²⁾ INMA Bucharest; ³⁾ Zagreb University / Croatia Tel: 0744756832; E-mail: biris.sorinstefan@gmail.com</p>	11 ²⁰ -11 ³⁰	<p>MODERN TECHNOLOGIES AND INSTALLATIONS FOR THE INDUSTRIAL CULTIVATION OF MICROALGAE TO OBTAIN ALGAL BIOMASS / TEHNOLOGII ȘI INSTALAȚII MODERNE PENTRU CULTIVAREA INDUSTRIALĂ A MICROALGELOR PENTRU OBȚINEREA DE BIOMASA ALGALA Ph.D. Eng. Nedelcu A.¹⁾, Prof. Ph.D. Eng. Covaliu C.²⁾, Ph.D. Eng. Popa L.¹⁾, Ph.D. Eng. Ciuperca R.¹⁾, Eng. Anghel A.¹⁾ Ph.D. Stud. Eng. Zaica A.¹⁾, Ph.D. Stud. Eng. Mircea C.¹⁾ ¹⁾INMA Bucharest / Romania / University Politehnica Bucharest / Romania E-mail: nedelcuus@yahoo.com</p>	11 ²⁰ -11 ³⁰
<p>NUMERICAL SIMULATION OF THE DYNAMIC BEHAVIOUR OF A MULTIFUNCTIONAL MOTOR VEHICLE EQUIPPED WITH A PRIMARY ADJUSTMENT HYDROSTATIC TRANSMISSION / SIMULAREA NUMERICĂ A COMPORTĂRII DINAMICE A UNUI AUTOVEHICUL MULTIFUNCȚIONAL DOTAT CU O TRANSMISIE HIDROSTATICĂ CU REGLAJ PRIMAR As. Ph.D. Stud. Eng. Chiriță A.I.P.¹⁾, Ph.D. Stud. Eng. Dumitrescu L.¹⁾, Dipl. Eng. Sauciu R.¹⁾, ¹⁾ Hydraulics and Pneumatics Research Institute INOE 2000 - IHP / Romania; Tel: +4021.336.39.91; E-mail: chirita.ihp@fluidas.ro</p>	11 ³⁰ -11 ⁴⁰	<p>PRELIMINARY ANALYSIS OF SEDIMENT TRANSPORT IN THE CONTEXT OF THE HYDROTECHNICAL CONSTRUCTIONS INFLUENCE. CASE STUDY BRANCH BALA - DUNĂREA VECHĂ BIFURCAȚIE / ANALIZA PRELIMINARĂ PRIVIND TRANSPORTUL DE SEDIMENTE ÎN CONTEXTUL INFLUENȚEI CONSTRUCȚIILOR HIDROTEHNICE. STUDIU DE CAZ BIFURCAȚIA BRAȚ BALA – DUNĂREA VECHĂ Nicolae A.¹⁾, Deák G.¹⁾, Tudor G.¹⁾, Zamfir Șt.¹⁾, Georgescu L.²⁾, Cirstinoiu C.¹⁾, Urițescu B.¹⁾, Raischi M.¹⁾, Dănălache T.¹⁾, Dăescu A.¹⁾, Badilita A.¹⁾, Cristea A.¹⁾ ¹⁾National Institute for Research and Development in Environmental Protection / Romania; ²⁾“Dunarea de Jos” University of Galati / Romania; ³⁾University of Agronomic Sciences and Veterinary Medicine of Bucharest / Romania E-mail: georgeta.ene@gmail.com</p>	11 ³⁰ -11 ⁴⁰
<p>ANALYTICAL CALCULATION OF GEOMETRIC ELEMENTS NEEDED FOR THE FOREST TERRACES / CALCULUL ANALITIC AL ELEMENTELOR GEOMETRICE NECESARE REALIZĂRII TERASELOR FORESTIERE Ph.D. Eng. & Eng. Tudosoiu C.¹⁾, Geographer Achim E.¹⁾, Ph.D. Eng. Ganea Christu I.²⁾ ¹⁾INCDS „Marin Drăcea” / Romania, ²⁾INMA Bucharest Tel: 0720835156; E-mail: catalintudosoiu@yahoo.com</p>	11 ⁴⁰ -11 ⁵⁰	<p>ASPECTS REGARDING THE ENVIRONMENTAL IMPACT DUE TO THE USE OF ALTERNATIVE FUELS IN CEMENT MANUFACTURING PROCESS / ASPECTE PRIVIND IMPACTUL ASUPRA MEDIULUI DATORAT UTILIZĂRII COMBUSTIBILOR LTERNATIVI ÎN PROCESUL DE FABRICAȚIA A CIMENTULUI Master Stud. Eng. Tepeș-Bobescu L.*; Lect. Ph.D. Eng. Istrate I.A University Politehnica Bucharest, Faculty of Biotechnical Systems Engineering / Romania; Tel: 0728668692; E-mail: isa_tb_elena@yahoo.com</p>	11 ⁴⁰ -11 ⁵⁰
<p>INFUENCE OF TIRE INFLATION PRESSURE AND WHEEL LOAD ON THE FOOTPRINT BETWEEN SOIL AND TIRE / INFLUENȚA PRESIUNII ÎN PNEU ȘI A ÎNCĂRCĂRII PE ROATĂ ASUPRA PETEI DE CONTACT DINTRE SOL ȘI PNEU Lect. Ph.D. Eng. Ungureanu N.¹⁾, PhD. Eng. Vlăduț V.²⁾, Prof. Ph.D. Eng. Biriș S.Șt.¹⁾, Ph.D. Stud. Eng. Persu C.²⁾, Ph.D. Eng. Vocea I.²⁾, Ph.D. Stud. Eng. Cujbescu D.²⁾, Lect. Ph.D. Eng. Dincă M.¹⁾, Assist. Ph.D. Stud. Eng. Zăbavă B.Șt.¹⁾ ¹⁾University Politehnica of Bucharest, / Romania; ²⁾INMA Bucharest / Romania Tel: 0724086492; E-mail: nicoletaung@yahoo.com</p>	11 ⁵⁰ -12 ⁰⁰	<p>SOLUTIONS TO ENSURE THE LATERAL CONNECTIVITY ON THE LOWER DANUBE. CASE STUDY EPURAȘU BRANCH / SOLUȚII PRIVIND ASIGURAREA CONECTIVITĂȚII LATERALE PE DUNĂREA INFERIOARĂ. STUDIU DE CAZ BRAȚUL EPURAȘU Zamfir Șt.¹⁾, Deák G.¹⁾, Raischi M.¹⁾, Nicolae A.¹⁾, Georgescu L.²⁾, Raischi N.¹⁾, Gheorghe I.¹⁾, Badea G.¹⁾, Olteanu M.¹⁾, Luminăroiu L.¹⁾, Cirstinoiu C.¹⁾, Badilita A.¹⁾, Dănălache T.¹⁾ ¹⁾National Institute for Research and Development in Environmental Protection / Romania; ²⁾“Dunarea de Jos” University of Galati / Romania; ³⁾University of Agronomic Sciences and Veterinary Medicine of Bucharest / Romania E-mail: dkcontrol@yahoo.com</p>	11 ⁵⁰ -12 ⁰⁰
<p>AUTONOMOUS DRIP AND SPRINKLER IRRIGATION SYSTEMS INTEGRATED WITH PHOTOVOLTAIC / SISTEME DE IRIGARE AUTONOME PRIN PICURARE ȘI MICROASPERSIUNE INTEGRATE CU INSTALAȚII FOTOVOLTAICE Acad. Bostan I., Prof. Dr. Sc. Bostan V., Prof. Dr. Sc. Dulgheru V.*; Prof. Ph.D. Eng. Sobor I., As. prof. Ph.D. Eng. Secrieru N., As. prof. Ph.D. Eng. Ciobanu O., As. prof. Ph.D. Eng. Ciobanu R., Ph.D. stud. Candraman S., Ph.D. stud. Gladîș V. Technical University of Moldova, Faculties of Mechanical, Industrial Engineering and Transports, and Electronics and Telecommunications / Republic of Moldova Tel: 00373 67441748; E-mail: valeriudulgheru@yahoo.com</p>	12 ⁰⁰ -12 ¹⁰	<p>MONITORING BY ULTRASONIC TELEMETRY OF JUVENILE STURGEON BEHAVIOUR PRODUCED IN AQUACULTURE SYSTEM AND RELEASED IN THE LOWER DANUBE FOR RESTOCKING / MONITORIZAREA PRIN TELEMETRIE ULTRASONICĂ A COMPORTAMENTULUI PUILOR DE STURIONI PRODUȘI ÎN SISTEM DE ACVACULTURĂ ȘI ELIBERAȚI ÎN DUNĂREA INFERIOARĂ PENTRU REPOPULARE Danalache T.¹⁾, Badilita A.M.¹⁾, Deák G.¹⁾, Raischi M.¹⁾, Holban E.¹⁾, Cristea A.¹⁾, Zamfir Șt.¹⁾, Daescu A.I.¹⁾, Uritescu B.¹⁾, Cirstinoiu Ctin.¹⁾, Badea G.¹⁾, Gheorghe I.¹⁾, Cornățeanu G.¹⁾, Olteanu M.¹⁾ ¹⁾National Institute for Research and Development in Environmental Protection, Bucharest / România; ²⁾University of Agronomic Sciences and Veterinary Medicine, Bucharest / România; ³⁾“Dunarea de Jos” University of Galati / Romania E-mail: tiberiusdanalache@yahoo.com</p>	12 ⁰⁰ -12 ¹⁰
<p>RESEARCH ON THE OPTIMAL DESIGN OF THE RETRACTABLE FINGER FROM A COMBINE HARVESTER'S AUGER/ CERCETĂRI PRIVIND PROIECTAREA OPTIMALĂ A UNUI DEGET ESCAMOTABIL AL TRANSPORTORULUI ELCOIDAL DE LA COMBINA DE RECOLTAT CEREALE Ph.D. Stud. Eng. Popa V.¹⁾, Ph.D. Stud. Eng. Popa R.¹⁾, Prof. Ph.D. Eng. Biriș S.Șt.¹⁾, Prof. Ph.D. Eng. Maican E.¹⁾ ¹⁾ Politehnica University of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; Tel: 0744232253; E-mail: vlad_popa90@yahoo.com</p>	12 ¹⁰ -12 ²⁰	<p>EVALUATION OF THE POTENTIAL RISKS OF SEWAGE SLUDGE COMPOST ON THE SOIL-PLANTS SYSTEM / EVALUAREA RISCURILOR POTENȚIALE ALE COMPOSTULUI NĂMOLULUI DE EPURARE ASUPRA SISTEMULUI SOL-PLANTE As. Ph.D. Stud. Eng. Grosu A.C.¹⁾, Prof. Ph.D. Eng. Stan V.¹⁾, Lect. Ph.D. Eng. Matei P.M.¹⁾, ¹⁾University of Agronomic Sciences and Veterinary Medicine of Bucharest, Faculty of Horticulture / Romania Tel: 0722678990; E-mail: alex_dinescu@yahoo.co.uk</p>	12 ¹⁵ -12 ²⁰

<p>COMPARATIVE ANALYSIS OF SOME TIRE DEFORMATION MODELS USED FOR THE PREDICTION OF TRACTION CHARACTERISTICS / ANALIZA COMPARATIVĂ A UNOR MODELE DE DEFORMARE A PNEULUI ÎN SCOPUL OBȚINERII CARACTERISTICILOR DE TRACȚIUNE Prof. Ph.D. Stud. Eng. Roșca R.*, Assoc. Prof. Ph.D. Eng. Cârlescu P., Prof. Ph.D. Eng. Țenu I. University of Agricultural Sciences and Veterinary Medicine "Ion Ionescu de la Brad" Iași / Romania; Tel: 0232-407561; E-mail: t.rosca@uaiaasi.ro</p>	12 ²⁰ -12 ³⁰	<p>ESTABLISHMENT OF MUSTARD CROP TO IMPROVE SOIL QUALITY / CONSIDERATII PRIVIND UTILIZAREA CULTURII DE MUSTAR PENTRU ÎMBUNĂTĂȚIREA PROPRIETĂȚILOR SOLULUI PhD. Stud. Eng. Mircea C., PhD. Stud. Eng. Sorică E, PhD. Eng. Sorică C., PhD. Eng. Cujbescu D., PhD. Eng. Persu C., Eng. Anghel A. INMA Bucharest Tel: 0766.420.952; E-mail: costinmircea@yahoo.com</p>	12 ²⁰ -12 ³⁰
12³⁰-12⁵⁰: Coffee break			
<p>STUDIES REGARDING THE TECHNOLOGICAL EFFECT OF A NEW DRYING METHOD ON THE QUALITY OF WHEAT SEEDS/ STUDIUL CU PRIVIRE LA EFECTUL TEHNOLOGIC AL UNEI NOI METODE DE USCARE ASUPRA SEMINTELOR DE GRÂU Asist. Ph.D. Eng. Arsenoia V.N.*¹⁾, Conf. Ph.D. Eng. Cârlescu P.M.¹⁾, Prof. Ph.D. Eng. Roșca R.¹⁾, Prof. Ph.D. Eng. Țenu I.¹⁾ ¹⁾ University of Applied Life Sciences and Environment "Ion Ionescu de la Brad", Iași Tel: 0722508104; E-mail: vnarsenoia@uaiaasi.ro</p>	12 ⁵⁰ -13 ⁰⁰	<p>MODERN TECHNOLOGIES FOR THE USE OF ALGAL BIOMASS FOR THE PRODUCTION OF ALTERNATIVE FUELS/ TEHNOLOGII MODERN DE UTILIZARE A BIOMASEI ALGALE PENTRU OBȚINEREA DE COMBUSTIBILI ALTERNATIVI Eng. Anghel A., Ph.D. Eng. Nedelcu A.*, Ph.D. Stud. Eng. Mircea C., Eng. Dumitru I., Eng. Dumitru D., Eng. Cristescu A. INMA Bucharest / Romania E-mail: anghel.alexandra@yahoo.com</p>	12 ⁵⁰ -13 ⁰⁰
<p>EXPERIMENTAL RESEARCH ON COUPLING DEVICES / CERCETĂRI EXPERIMENTALE PRIVIND DISPOZITIVELE DE CUPLARE PhD. Stud. Eng. Mircea D.I.*¹⁾, PhD. Eng. Vlăduț V.²⁾, PhD. Eng. Matache M.²⁾, PhD. Stud. Eng. Persu C.²⁾, PhD. Eng. Voicea I.²⁾, PhD. Stud. Eng. Cujbescu D.²⁾, Eng. Dumitru I.²⁾, PhD. Stud. Eng. Oprescu M.²⁾, Eng. Iuga D.³⁾, Lect. Ph.D. Eng. Ungureanu N.¹⁾ ¹⁾University Politehnica of Bucharest / Romania; ²⁾INMA Bucharest / Romania; ³⁾SC METROUL SA / Romania E-mail: mircea.ionut@gmail.com</p>	13 ⁰⁰ -13 ¹⁰	<p>CALLING UPON THE SMART NETWORKS AND APPLYING THEM TO THE LEVEL OF THE ENERGY UNITS INTEGRATED INTO THE COMPETITIVE ENERGY MARKET / APELAREA LA REȚELELE SMART ȘI APLICAREA ACESTORA LA NIVELUL UNITĂȚILOR ENERGETICE INTEGRATE PIEȚEI CONCURENȚIALE DE ENERGIE PhD.Stud.Eng. Radu O., PhD.Eng. Muraru C., PhD.Stud.Eng. Muraru S., PhD.Stud. Sorică E., PhD. Eng.Sorică C. INMA Bucharest Tel: 0761.052.624; Fax: 021/269.32.73; E-mail: diana10.cristea@yahoo.com</p>	13 ⁰⁰ -13 ¹⁰
<p>THEORETICAL DETERMINATION OF THE PARAMETERS OF MATERIAL JUMPS ON THE ACTIVE SURFACE OF THE ROLLING SCREENS PROVIDED WITH ELLIPTICAL SHAKING ROLLS / DETERMINAREA TEORETICĂ A PARAMETRILOR SALTURILOR MATERIALULUI PE SUPRAFAȚA ACTIVE A SITELOR CILINDRICE PREVĂZUTE CU ROLE DE AGITARE ELIPTICE Prof. Ph.D. Eng. Safta V.V. University Politehnica of Bucharest E-mail: saftavictorviorel@yahoo.com</p>	13 ¹⁰ -13 ²⁰	<p>ELECTROCHEMICAL REMEDIATION OF SOILS IN CASE OF A COMPLEX POLLUTANT MIXTURE / REMEDIEREA ELECTROCHIMICĂ A SOLURILOR ÎN CAZUL UNUI AMESTEC POLUANT COMPLEX Istrate I.A.*¹⁾, Dumitru D.M.²⁾, Cocarta D.M.²⁾ ¹⁾University Politehnica Bucharest, Faculty of Biotechnical Systems Engineering / Romania; ²⁾University Polytechnic Bucharest, Faculty of Power Engineering / Romania; E-mail: ia_istrate@yahoo.com</p>	13 ¹⁰ -13 ²⁰
<p>ANALYSIS OF THE RESEARCH STAGE REGARDING THE CONSTRUCTIVE OPTIMIZATION OF TANK-CONTAINERS FOR LIQUID AGRI-FOOD PRODUCTS / ANALIZA STADIULUI CERCETĂRII PRIVIND OPTIMIZAREA CONSTRUCTIVĂ A CONTAINERELOR-CISTERNE PENTRU PRODUSE AGRO-ALIMENTARE LICHIDE Ph.D. Stud. Eng. Milian G.¹⁾, Prof. Ph.D. Eng. Biriș S.Șt.¹⁾ ¹⁾ Politehnica University of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; Tel: 0766453970; E-mail: gabi_isb@yahoo.com</p>	13 ²⁰ -13 ³⁰	<p>DESIGNING, EXPERIMENTING AND EXECUTING AN RECIRCULATION AQUACULTURE SYSTEM FOR FISH BREEDING / PROIECTAREA, EXPERIMENTAREA ȘI EXECUTAREA UNUI SISTEM ACVACOL RECIRCULANT DE CREȘTERE A PEȘTELOR PhD. Eng. Caba I.¹⁾, PhD. Stud. Eng. Laza E.-A.²⁾, PhD. Eng. Bungescu S.T.³⁾, PhD.Eng.Vlăduț N.V.⁴⁾ ^{1) 2) 4)} INMA Bucharest – Branch Timisoara / Romania, ³⁾USAMVBT – Timisoara / Romania Tel:0256.499.336; E-mail:inmatm_caba@yahoo.com</p>	13 ²⁰ -13 ³⁰
<p>THE EFFECT OF VIBRATION ON AGRICULTURAL WORKERS AT SOIL PRELUCRATION FROM A GREENHOUSE / EFFECTUL VIBRAȚIEI ASUPRA OPERATORILOR LA PRELUCRAREA SOLULUI ÎN SERE Lect. Ph.D. Eng. Ipate G.*¹⁾, Lect. Ph.D. Eng. Constantin G.A.¹⁾, Prof. Ph.D. Eng. Voicu Gh.¹⁾, Lect. Ph.D. Eng. Musuroi G.¹⁾, As. Ph.D. Student Eng. Munteanu M.G.¹⁾ ¹⁾Universities Polytechnic Bucharest, Faculty of Biotechnical Systems Engineering / Romania; Tel: 0766445321; E-mail: puiuiipate@yahoo.com</p>	13 ³⁰ -13 ⁴⁰	<p>CONCEPTION AND DEVELOPMENT OF TECHNICAL SYSTEMS FOR SUSTAINABLE AGRICULTURE / CONCEPTIA SI DEZVOLTAREA SISTEMELOR TEHNICE PENTRU AGRICULTURA SUSTENABILA Ph.D. Eng. Muraru V.*, Math Cardei P., Ph.D. Eng. Muraru-Ionel C., Ph.D. Stud. Eng. Murau S., Eng. Sfiru R., Ph.D. Eng. Radu O., Eng. Condruz P. INMA Bucharest / Romania E-mail: virgil.muraru@gmail.com</p>	13 ³⁰ -13 ⁴⁰
<p>EXPERIMENTAL STUDY OF THE ACOUSTIC CHARACTERISTICS OF A TUBULAR RESONATOR WITH DIAPHRAGM / STUDIUL EXPERIMENTAL AL CARACTERISTICILOR ACUSTICE ALE UNUI REZONATOR TUBULAR CU DIAFRAGMĂ Assoc. Prof. Orășanu N., Prof. Craifăleanu A.* University "Politehnica" of Bucharest, Department of Mechanics / Romania E-mail: ycraif@yahoo.com</p>	13 ⁴⁰ -13 ⁵⁰	<p>THE USE OF NANOMATERIALS IN TREATING USED WATERS. REVIEW / UTILIZAREA NANOMATERIALELOR ÎN EPURAREA APELOR UZATE. REVIEW Eng. Cristescu A.C.¹⁾, Ph.D. Eng. Popa L.¹⁾, Ph.D. Eng. Covaliu C.²⁾, Eng. Dumitru D.M.¹⁾, Ph.D. Stud. Eng. Persu C.¹⁾, Ph.D. Stud. Eng. Gheorghe G.¹⁾, Ph.D. Stud. Eng. Mircea C.¹⁾, Eng. Anghel A.¹⁾ ¹⁾INMA Bucharest / Romania; ²⁾University Politehnica Bucharest / Romania E-mail: andreea.catalina.cristescu@gmail.com</p>	13 ⁴⁰ -13 ⁵⁰
<p>EXPERIMENTAL RESEARCHES REGARDING THE ACCURATE ASSESSMENT OF DISTRIBUTION OF SPRAYED SOLUTION OBTAINED BY A NEW TECHNICAL EQUIPMENT FOR FOLIAR FERTILIZATION IN AGRICULTURE / CERCETĂRI EXPERIMENTALE PRIVIND EVALUAREA PRECISĂ A DISTRIBUȚIEI SOLUȚIEI PULVERIZATE OBȚINUTE DE UN ECHIPAMENT TEHNIC NOU PENTRU FERTILIZAREA FOLIARĂ ÎN POMICULTURĂ PhD Stud. Eng.Dumitrașcu A.*, Ph.D. Eng. Mateescu M., PhD Stud.Eng. Gheorghe G., PhD Stud.Eng. Cujbescu D.,PhD Stud.Eng. Persu C., Ph.D. Eng. Marin E. INMA BUCHAREST / Romania Tel: 0761602569; E-mail: a.dumi@yahoo.com</p>	13 ⁵⁰ -14 ⁰⁰	<p>ASSESSMENT OF PEDOLOGICAL STRESS IN ROMANIA BASED ON DROUGHT INDICES / EVALUAREA STRESULUI PEDOLOGIC ÎN ROMANIA PE BAZA INDICILOR DE SECETA Ciobotaru N.*, Matei M., Laslo L., Boboc M., Velcea A.M., Deák G. National Research and Development Institute for Environmental Protection / Romania Tel: 0752227269; E-mail: ciobotaru_nicu@yahoo.com</p> <p>ASSESSMENT OF HUMAN EXPOSURE TO VIBRATIONS TRANSMITTED BY HAND TO AN AGRICULTURAL MACHINE / EVALUAREA EXPUNERII UMANE LA VIBRAȚIILE TRANSMISE PRIN MÂNĂ ALE UNEI MAȘINI AGRICOLE Assoc. Prof. Vasile O. University Politehnica of Bucharest, Department of Mechanics / Romania, E-mail: ovidiu_vasile2002@yahoo.co.uk</p>	13 ⁴⁰ -13 ⁵⁰
14⁰⁰-15⁰⁰ Lunch			

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SECTION 3 - FOOD INDUSTRY - ORAL PRESENTATION		SECTION 3 - FOOD INDUSTRY - POSTER PRESENTATION	
Chairman: Prof. PhD. Eng. VOICU Gheorghe / Ph.D. Eng. VLĂDUȚ Valentin / Assoc. Prof. BEGEA Mihaela (Hall 4.2 - Politehnica University Library)		Chairman: Assoc. Prof. PhD. Biochem. FERDEȘ Mariana / Ph.D. Eng. VINTILĂ Marian (Fourth Floor Lobby - Politehnica University Library)	
<p align="center">GENERAL MECHANIZATION OF SHELLED HAZELNUT PROCESSING PLANTS / KABUKLU FINDIK İŞLEME TESİSLERİNİN GENEL MEKANİZASYONU Assist.Prof.Dr. Selvi K.Ç.* Department of Agriculture Machinery and Technologies Engineering, Faculty of Agriculture, Ondokuz Mayıs University, Atakum, Samsun, TURKEY; Tel: + 90 362 312 19 19 / 1259; E-mail: kcselvi@omu.edu.tr</p>	9 ¹⁵ -9 ³⁰	<p align="center">DOLJANA, A NEW VARIETY OF COWPEA (Vigna unguiculata L.Walp.) RECOMMENDED ON SANDY SOILS / DOLJANA, UN NOU SOI DE FASOLIȚĂ (Vigna unguiculata L.Walp.) RECOMANDAT PE SOLURILE NISIPOASE Drăghici R.*, Drăghici I., Croitoru M., Diaconu A., Dima M. Development & Research Center for Agricultural Plants on Sands, Dabuleni / Romania E-mail: retadraghici@yahoo.com</p>	9 ¹⁵ -9 ³⁰
<p align="center">THE DECLINE IN VIABILITY AND VIGOUR OF THE HYBRID MAIZE (ZEA MAYS L.) SEED UNDER THE INFLUENCE OF GENOTYPE, DURATION AND THE FACTORS OF THE STORAGE ECOSYSTEM / DECLINUL VIABILITĂȚII ȘI VIGORII SEMINȚEI HIBRIDE DE PORUMB, SUB INFLUENȚA GENOTIPULUI, DURATEI ȘI A FACTORILOR ECOSISTEMULUI DE PĂSTRARE Moldovan G.*¹⁾, Barbos A.*²⁾ ¹⁾Agricultural Research and Development Station Turda, /Romania; ²⁾National Inspection for Quality of Seeds. Cluj-Napoca, /Romania E-mail: moldgrig@yahoo.com</p>	9 ³⁰ -9 ⁴⁵	<p align="center">PRELIMINARY RESULTS REGARDING THE INFLUENCE OF SOWING AND SEEDBED PREPARATION WORKS ON THE PRODUCTION OF RYE / REZULTATE PRELIMINARE PRIVIND INFLUENȚA SEMĂNATULUI ȘI A LUCRĂRILOR DE PREGĂTIRE A PATULUI GERMINATIV ASUPRA PRODUȚIEI LA SECARĂ Drăghici I.*, Drăghici R., Croitoru M. Development & Research Center for Agricultural Plants on Sands Dabuleni / Romania E-mail: iuliandraghici54@yahoo.com</p>	9 ³⁰ -9 ⁴⁵
<p align="center">THE INFLUENCE OF THYMUS VULGARIS L. ESSENTIAL OIL TOWARDS GERMINATION OF ZEA MAYS CARYOPSES / INFLUENȚA ULEIULUI ESENTIAL DE THYMUS VULGARIS ASUPRA GERMINĂȚIEI CARIOPSELOR DE ZEA MAYS Ph.D. Stud. Eng. Fatu V.*¹⁾²⁾, Ph.D.Stud. Eng. Dudoiu R. ¹⁾²⁾, Ph.D. Lupu C.²⁾, Ph.D. Petrisor C.²⁾, Dima M.³⁾ ¹⁾University of Agronomical Science and Veterinary Medicine, Faculty of Agriculture, Bucharest; ²⁾RDIPP, Bucharest ³⁾Plants Crops Research and Development Center on Sandy Soils, Victorie Street, Dabuleni, Romania Tel: 0729263874; E-mail: fatu_viorel@yahoo.com</p>	9 ⁴⁵ -9 ⁵⁵	<p align="center">RESEARCH ON VITALITY POLLEN CORRELATED WITH METEOROLOGICAL CONDITIONS TO THE PEACH AND NECTARIN ROMANIAN VARIETIES / CERCETĂRI PRIVIND VITALITATEA POLENULUI ÎN CORELARE CU CONDIȚIILE METEOROLOGICE LA SOIURI ROMÂNEȘTI DE PIERSIC ȘI NECTARIN Iordache M.*, Dumitru M., Ilie A., Coroianu L. Stațiunea de Cercetare Dezvoltare Pomicolă Băneasa, Bucuresti / Romania E-mail: mioaraiordache@yahoo.com</p>	9 ⁴⁵ -9 ⁵⁵
<p align="center">EPIZOOTIOLOGICAL PARAMETERS OF BEAUVERIA BASSIANA MYCOSIS IN A LEPTINOTARSA DECEMLINEATA POPULATION / PARAMETRII EPIZOOTICI AI MICOZEI DETERMINATA DE BEAUVERIA BASSIANA INTR-O POPULATIE DE LEPTINOTARSA DECEMLINEATA Ph.D. Stud. Dinu M.M.*, Ph.D. Stud. Eng. Fătu A.C., Ph.D. Andrei A-M Research-Development Institute for Plant Protection, Bucharest, Romania E-mail: frommaca@gmail.com</p>	9 ⁵⁵ -10 ⁰⁵	<p align="center">5STIMULATION OF TOMATO SEEDS BY INFRARED RADIATION / СТИМУЛИРОВАНИЕ СЕМЯН ТОМАТОВ ИНФРАКРАСНЫМ ИЗЛУЧЕНИЕМ Grishina S.Yu., Kuznetsov Yu.A., Goltsova L.I., Kalashnikova L.V., Faculty of Agrotechnics and Energy Supply, Orel State Agrarian University, Orel / Russian Federation Tel: +7-920-828-92-19; E-mail: kentury@rambler.ru</p>	9 ⁵⁵ -10 ⁰⁵
<p align="center">INFLUENCE OF THE PLANTING TIME IN FIELD ON THE TUBERS PRODUCTION OBTAINED FROM SWEET POTATO VARIETIES UNDER THE CONDITIONS OF SANDY SOILS / INFLUENȚA EPOCII DE PLANTARE ÎN CÂMP ASUPRA PRODUȚIEI DE TUBERCULI OBȚINUTĂ LA UNELE SOIURI DE CARTOF DULCE ÎN CONDIȚIILE SOLURILOR NISIPOASE Diaconu A., Drăghici R., Croitoru M., Drăghici I., Dima M., Coteț Gh., Paraschiv A. Development & Research Center for Agricultural Plants on Sands Dăbuleni / Romania E-mail: aureliadiaconu@yahoo.com</p>	10 ⁰⁵ -10 ¹⁵	<p align="center">CONSIDERATIONS ON REDUCING GRAIN STORAGE LOSSES IN ORDER TO INCREASE FOOD SECURITY FOR POPULATION / CONSIDERAȚII PRIVIND REDUCEREA PIERDERILOR LA DEPOZITAREA CEREALELOR PENTRU A SPORI SECURITATEA ALIMENTARĂ A POPULAȚIEI PhD. Stud Eng. Zaica Al.*¹⁾, PhD. Eng. Paun A.¹⁾, PhD. Eng. Gageanu P.¹⁾, PhD. Stud. Zaica A.¹⁾, Eng. Bunduchi G.¹⁾, PhD. Eng. Bracacescu C. ¹⁾ I.N.M.A. Bucharest / Romania Tel: 0726147336; E-mail: zaica_alexandru@yahoo.com</p>	10 ⁰⁵ -10 ¹⁵
<p align="center">STUDIES AND RESEARCHES REGARDING THE OTIMIZATION OF WATER QUALITY FROM AN RECIRCULATING AQUACULTURE SYSTEM USING A WATER DENITIFYNG INSTALLATION / STUDII ȘI CERCETĂRI PRIVIND OPTIMIZAREA CALITĂȚII APEI DINTR- UN SISTEM ACVACOL RECIRCULANT UTILIZĂND O INSTALAȚIE PENTRU DENITRIFICAREA APEI PhD. Stud. Eng. Laza E-A.*, Ph.D. Eng. Caba I., Ph.D. Eng. Pop A., Phd. Stud. Eng. Costin M., Eng. Anghelut A., Phd Eng. Voicea I., Eng. Tudora C., Teh. Neagoie M. INMA Bucharest – Branch Timisoara / Romania Tel:0256.499.336; E-mail: eveline_anda@yahoo.com</p>	10 ¹⁵ -10 ³⁰	<p align="center">INFLUENCE OF GRAIN TYPE ON THE INSECTICIDAL PROPERTY OF DIATOMACEOUS EARTH AGAINST CONFUSED FLOUR BEETLE, TRIBOLIUM CONFUSUM (HERBST) / INFLUENȚA TIPULUI DE CEREALE PRIVIND PROPRIETATEA INSECTICIDĂ A DIATOMITULUI ÎMPOTRIVA GÂNDACULUI FĂINII, TRIBOLIUM CONFUSUM (HERBST) Chiriloaie A. *, Ph.D. Stud. Eng. Fătu V. Research-Development Institute for Plant Protection, Bucharest, Romania E-mail: andrei.chiriloaie@gmail.com</p>	10 ¹⁵ -10 ³⁰
10³⁰-10⁵⁰ Coffee break			
<p align="center">SEMI-AUTOMATIC GRAFTING SYSTEM USED ON SEEDLINGS PRODUCTION AT HORTING INSTITUTE - TECHNICAL AND ECONOMIC ASPECTS / ASPECTE TEHNICE ȘI ECONOMICE PRIVIND UTILIZAREA SISTEMULUI SEMIAUTOMAT DE AL TOIRE LA MICROSEREA DE RĂSADURI A I.C.D.I.M.P.H. – HORTING Dumitrescu I. L.*, Bogoescu M. Research and Development Institute for Processing and Marketing of the Horticultural Products – Bucharest / Romania E-mail: lucianadumitrescu59@gmail.com</p>	10 ⁵⁰ -11 ¹⁰	<p align="center">FINAL FERMENTATION OF BREAD DOUGH - REQUIREMENTS, CONDITIONS, MACHINERY. A SHORT REVIEW / FERMENTAREA FINALĂ A ALUATULUI DE PÂINE - CERINȚE, CONDIȚII, UTILAJE. A SHORT REVIEW Ph.D. Stud. Eng. Istudor A., Prof. Ph.D. Eng. Voicu Gh.*, Ph.D. Stud. Eng. Muscalu Gh., As. Ph.D. Stud. Eng. Munteanu M. University Politehnica of Bucharest E-mail: ghvoicu_2005@yahoo.com</p>	10 ⁵⁰ -11 ¹⁰

<p>CONSIDERATIONS ON THE IMPORTANCE OF LIQUORICE ACTIVE PRINCIPLES / CONSIDERATIILE PRIVIND IMPORTANTA PRINCIPILOR ACTIVE ALE LEMNULUI DULCE PhD. Stud. Eng. Mircea C., PhD. Stud. Eng. Sorică E., PhD. Eng. Sorică C., PhD. Eng. Brăcăcescu C., PhD. Stud. Eng. Zaica Al., PhD. Stud. Eng. Zaica A., Eng. Anghelut A., Eng. Dumitru D.M., Eng. Cristescu A.C. INMA Bucharest Tel: 0766.420.952; E-mail: costinmircea@yahoo.com</p>	11 ⁰⁰ -11 ³⁰	<p>ROLE OF SOME APPLICATION TREATMENTS IN IMPROVING STORABILITY OF TOMATOES (LYCOPERSICON ESCULENTUM MILL.) HYBRID NEWTON / دور بعض المعاملات في تحسين القابلية التخزينية لثمار الطماطة هجين نيوتن Prof. Ph.D. Dhia Ahmed Taain, Prof. Ph.D. A. M. ABD, Researcher. Noor Abdel-Zahra JABER Department of Horticulture and Landscape, College of Agriculture, University of Basrah, Iraq Tel:07811351562; E-mail: golden_fruit@yahoo.com</p>	11 ⁰⁰ -11 ³⁰
<p>ASPECTS REGARDING THE ASEPTIC PACKAGING OF FOOD PRODUCTS ASPECTE PRIVIND AMBALAREA ASEPTICĂ A PRODUSELOR ALIMENTARE Prof. Ph.D. Eng. Voicu Gh.*¹⁾, Lect. Ph.D. Eng. Constantin G.A.¹⁾, Lect. Ph.D. Eng. Stefan E.M.¹⁾, Lect. Ph.D. Eng. Tudor P.¹⁾, As. Eng. Munteanu M.G.¹⁾, PhD.Eng. Zelaziński T.²⁾ ¹⁾University Politehnica of Bucharest / Romania; ²⁾Warsaw University of Life Sciences– SGGW / Poland E-mail: ghvoicu_2005@yahoo.com</p>	11 ³⁰ -11 ⁵⁰	<p>CONSIDERATIONS REGARDING TO IMPORTANCE OF THE ROSEMARY CULTURE IN TERMS OF THE BENEFITS AS MEDICINAL PLANTS / CONSIDERAȚII PRIVIND IMPORTANȚA CULTURII DE ROZMARIN DIN PUNCT DE VEDERE AL BENEFICIILOR ADUSE CA PLANTĂ MEDICINALĂ Eng. Neagoe M.*¹⁾, PhD. Eng. Sorică C.¹⁾, PhD. Stud. Eng. Sorică E.¹⁾, Leșeanu A.¹⁾, Eng. Grigore A. I.²⁾ ¹⁾INMA Bucharest / Romania; ²⁾MOV INVEST 2002 SRL / Romania Tel: 0722.487.889; Fax: 021/269.32.73; E-mail: mikyscorpio@yahoo.com</p>	11 ³⁰ -11 ⁵⁰
<p>AQUAPONICS, AN INNOVATIVE TECHNOLOGY FOR FOOD PRODUCTION AND A NEW RESEARCH DIRECTION IN ROMANIA IN THE FIELD OF HORTICULTURE AND THE FIELD OF MASS AND HEAT TRANSFER / ACVAPONIA, O TEHNOLOGIE INOVATIVĂ PENTRU PRODUCEREA HRANEI ȘI O DIRECȚIE NOUĂ DE CERCETARE, ÎN ROMÂNIA, ÎN DOMENIILE HORTICOL SI AL TRANSFERULUI DE MASA SI CALDURA. Bulbuc C.*¹⁾, Bogoescu M., Vintila M., Dumitrescu I.L. Research and Development Institute for Processing and Marketing of the Horticultural Products – Bucharest / Romania E-mail: bulbuc.cristian@yahoo.com</p>	11 ⁵⁰ -12 ¹⁰	<p>THEORETICAL ASPECTS REGARDING THE PREPARATION PROCESS OF HARD DOUGH PRODUCTS / ASPECTE TEORETICE PRIVIND PROCESUL DE FABRICARE A PRODUSELOR PE BAZĂ DE ALUAT TARE As. Ph.D Stud. Eng. Munteanu M.*¹⁾, Prof. Ph.D. Eng. Voicu G., Assoc. Prof. PhD. Ferdeș M., Lect. Ph.D. Eng. Stefan M.E., As. Ph.D Stud. Eng. Zăbavă B., Lect. Ph.D. Eng. Istrate I., Lect. Ph.D. Eng. Dincă M. University Politehnica of Bucharest E-mail: munteanumaya@yahoo.com</p>	11 ⁵⁰ -12 ¹⁰
<p>THE EFFECT OF MOISTURE CONTENT ON SOME PHYSICAL PROPERTIES OF CORN GRAIN / INFLUENȚA CONȚINUTULUI DE UMIDITATE ASUPRA UNOR PROPRIETĂȚI FIZICE ALE PORUMBULUI Lect. Ph.D. Eng. Ștefan E.M.*¹⁾, Prof. Ph.D. Eng. Voicu Gh., Lect. Ph.D. Eng. Constantin G.A., Assoc.Prof. Ph.D. Eng. Ferdeș M., As.Ph.D. Stud. Eng. Munteanu M. University Politehnica of Bucharest E-mail: stefanelenamadalina@gmail.com</p>	12 ¹⁰ -12 ³⁰	<p>RESEARCH ON FREEZING BEHAVIOR OF SOME STRAWBERRY FRUIT GROWN IN ROMANIA / CERCETĂRI PRIVIND CONGELAREA UNOR FRUCTE DE CĂPȘUN CULTIVATE ÎN ROMÂNIA Vintilă M.*¹⁾, Moise D., Popescu S., Dumitrescu I. L. Research and Development Institute for Processing and Marketing of the Horticultural Products – Bucharest / Romania E-mail: marian.vintila57@yahoo.com</p>	12 ¹⁰ -12 ³⁰
12³⁰-12⁵⁰: Coffee break			
<p>ANALYSIS OF POLYPHENOLS, FLAVONOIDS AND HERBAL MINERAL CONTENT OF <i>Lophanthus anisatus</i> / ANALIZA POLIFENOLILOR, FLAVONOIDELOR ȘI CONȚINUTULUI DE MINERALE DIN HERBA USCATĂ DE <i>Lophanthus anisatus</i> Assoc. Prof. PhD. Pharm. Eng. Popescu C.*^{2,3)}, PhD. Pharm. Popescu (Popiniuc) Ca.^{1,5)}, Eng. Manea Șt.²⁾, Eng. Orita C.⁶⁾, PhD. Stud. Eng. Pruteanu A.⁴⁾, Ch.Eng. Dune A.²⁾, PhD. Pharm. Popescu B.⁶⁾ ¹⁾University of Medicine and Pharmacy "Carol Davila" 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) / Romania; ⁶⁾SC Powerpharm Bucuresti / Romania Tel: +4 0722611658, e-mail: popescu_carmen88@yahoo.com</p>	12 ⁵⁰ -13 ⁰⁰	<p>CONSIDERATIONS ON THE IMPACT OF HEAVY METALS IN SOIL ACCUMULATED IN FRUITS AND VEGETABLES ON HUMAN HEALTH / CONSIDERATIILE PRIVIND IMPACTUL METALELOR GRELE DIN SOL ACUMULATE IN FRUCTE SI LEGUME ASUPRA SANATATII OMULUI Pruteanu A.*¹⁾, Bordean D.M.²⁾, Vladut V.¹⁾, Voiea I.¹⁾, Matache M.¹⁾, Nitu M.¹⁾, Popescu C.^{3,4)} ¹⁾INMA Bucharest / Romania; ²⁾Banat's University of Agricultural Sciences and Veterinary Medicine, Faculty of Food Processing Technology / Romania; ³⁾S.C. HOFIGAL Export Import S.A., Bucharest / Romania; ⁴⁾ Faculty of Pharmacy, "Vasile Goldiș" Western University, Arad / Romania; Tel: +4 0740690268, e-mail: pruteanu_augustina@yahoo.com</p>	12 ⁵⁰ -13 ⁰⁰
<p>RESEARCHES ON THE DETERMINATION OF THE ENERGY INDICES OF A FAST FREEZING EQUIPMENT / CERCETĂRI PRIVIND DETERMINAREA INDICILOR ENERGETICI AI UNUI ECHIPAMENT DE CONGELARE RAPIDA Sorica C.¹⁾, Vintila M.²⁾, Vladut V.¹⁾, Matache M.¹⁾, Sorica E.¹⁾, Grigore I.¹⁾ ¹⁾INMA Bucharest / Romania; ²⁾CDIMPH-Horting / Romania Tel: 0722.487.889; E-mail: cri_sor2002@yahoo.com</p>	13 ⁰⁰ -13 ¹⁰	<p>SOME ISSUES REGARDING MAINTAINING OF THE QUALITY AFTER HARVESTING OF THE PEACHES / ASPECTE PRELIMINARE PRIVIND MENTINEREA CALITATII PIERSICILOR DUPA RECOLTARE Veringă D.*¹⁾, Stanca M., Vintilă M. Research and Development Institute for Processing and Marketing of the Horticultural Products – Bucharest / Romania E-mail: veringa.daniela@yahoo.com</p>	13 ⁰⁰ -13 ¹⁰
<p>CONSIDERATIONS REGARDING VERTICAL DRYERS FOR CEREAL AND TECHNICAL PLANT SEEDS / CONSIDERATIILE PRIVIND USCATOARELE VERTICALE DE SEMINTE DE CEREALE SI PLANTE TEHNICE PhD. Stud. Eng. Bîrsan M.*¹⁾, Sef de lucrari Ph.D. Eng. Cârlescu P.²⁾, Prof. Ph.D. Eng. Țenu I.²⁾, Ph.D. Stud. Eng. Muscalu A.¹⁾ ¹⁾INMA Bucharest / Romania; ²⁾University of Agricultural Sciences and Veterinary Medicine "Ion Ionescu de la Brad" / Romania E-mail: marymmsa@yahoo.com</p>	13 ¹⁰ -13 ²⁰	<p>RESEARCHES CONCERNING THE BEHAVIOUR OF SHASTA PEACH VARIETY GROWN IN THE DOBROGEA AREA / CERCETĂRI PRIVIND COMPORTAMENTUL SOIULUI DE PIERSIC SHASTA CULTIVAT ÎN ZONA DOBROGEANĂ Alexe C.¹⁾, Caplan I.²⁾, Lamureanu Gh.²⁾, Vintila M.¹⁾ ¹⁾Research and Development Institute for Processing and Marketing of the Horticultural Products – Bucharest / Romania ²⁾Research Station for Fruit Growing Constanta / Romania E-mail: tantialexe@yahoo.com</p>	13 ¹⁰ -13 ²⁰
<p>RESEARCHES ABOUT THE BIOCHEMICAL COMPOSITION OF <i>SAMBUCUS EBULUS L.</i> LEAVES AND THEIR ORIENTATION FOR NATURAL TREATMENTS / CERCETĂRI ASUPRA COMPOZIȚIEI BIOCHIMICE A FRUNZELOR DE <i>SAMBUCUS EBULUS L.</i> ȘI ORIENTAREA EI PENTRU TRATAMENTE NATURISTE Ass. Prof.Ph.D. Eng. Pandia O.*¹⁾, Prof. Habil. Ph.D. Eng. Sărăcin I.²⁾, Ph.D. Stud. Tănăsie Șt. E.¹⁾, Lect. Ph.D. Eng. Cruceru C.¹⁾, Ph.D. Stud. Eng. Pruteanu A.³⁾, Ph.D.Eng. Stud. Roșu (Nițu) M.³⁾ ¹⁾ University of Agricultural Sciences and Veterinary Medicine Bucharest/Romania; ²⁾University of Craiova/Romania; ³⁾INMA Bucharest/Romania Tel: 0745762957; E-mail: olimpia_pandia@yahoo.com</p>	13 ²⁰ -13 ⁴⁰	<p>APPLICATION OF ULTRASOUND ON GENUINE ROMANIAN VARIETY MUST FERMENTATION PROCESS / APLICAȚII ALE ULTRASUNETELOR ASUPRA PROCESULUI DE FERMENTARE A MUSTULUI PROVENIT DIN SOIURI AUTOHTONE Ph.D. Stud. Eng. Mărgean A.*¹⁾, Prof. Ph.D. Eng. PĂDUREANU V.¹⁾, Assist. Prof. Ph.D. Eng. Lupu M. I.¹⁾ ¹⁾Transilvania University of Brașov, Food and Tourism Faculty, Engineering and Management in Food and Tourism Department, 148 Castelului Street, 500014, Brașov, România Tel: +40728941362; E-mail: alina.margean@unitbv.ro</p>	13 ²⁰ -13 ⁴⁰

<p>THE RESEARCH ON THE PHENOTYPING OF NATIVE VARIETIES OF APPLE / CERCETĂRILE PRIVIND FENOTIPAREA SOIURILOR NATIVE DE MERE Stoica (Erculescu) M.¹⁾, Hoza D.²⁾, Ion L.²⁾, Paun C-tin.²⁾ ¹⁾Research and Development Station for Fruit Growing Voinesti, Dambovita / Romania ²⁾University of Agronomic Sciences and Veterinary Medicine Bucharest / Romania <i>E-mail: statiuneavoinesti@gmail.com</i></p>	13 ³⁰ -13 ⁴⁰	<p>THEORETICAL CONSIDERATIONS CONCERNING THE INFLUENCE OF FREEZING STORAGE ON FOOD INDUSTRY / CONSIDERENTE TEORETICE PRIVIND CONSERVAREA PRIN CONGELARE ÎN INDUSTRIA ALIMENTARĂ As. Ph.D. Eng. Boeriu A.E.¹⁾, Assoc.Prof. Ph.D. Eng. Canja C.M.¹⁾, Lect. Ph.D. Eng. Lupu M.¹⁾, Ph.D. Eng. Măzărel A.¹⁾ ¹⁾ Transilvania University of Brasov, Faculty of Food and Tourism, Brasov/ Romania <i>Tel: 0740054525; E-mail: adriana.boeriu@unitbv.ro</i></p>	13 ³⁰ -13 ⁴⁰
<p>OPTIMIZATION OF MICROWAVE ASSISTED EXTRACTION OF PHYTO COMPONENTS FROM HELIANTHUS TUBEROSUS L. AND APIUM GRAVEOLENS VAR. SECALINUM ALEF. / OPTIMIZAREA EXTRAȚIEI ASISTATE DE MICROUNDURI A FITO-COMPONENTELOR DE LA HELIANTHUS TUBEROSUS L. ȘI APIUM GRAVEOLENS VAR. SECALINUM ALEF. Avramescu S., Drugulescu M.*, Babeanu N., Dinu-Pirvu C., Moraru I., Ortan A. University of Agronomic Sciences and Veterinary Medicine Bucharest / Romania <i>E-mail: drugulescum@yahoo.com</i></p>	13 ⁴⁰ -13 ⁵⁰	<p>CONSIDERATIONS ON THE TECHNOLOGY OF MINT CULTURE AND ESSENTIAL OILS OBTAINING / CONSIDERATII PRIVIND TEHNOLOGIA DE CULTURĂ A MENTEI SI OBTINEREA DE ULEIURI ESSENTIAL Eng. Grigore I.¹⁾, PhD. Stud. Eng. Sorică E. ¹⁾, PhD. Eng. Sorică C. ¹⁾, Eng. Grigore A. I. ²⁾, PhD. Stud. Eng. Vlăduțoiu L. ¹⁾, Eng. Bolintineanu Gh. ¹⁾, Eng. Dumitru I. ¹⁾ ¹⁾INMA Bucharest, ²⁾MOV INVEST 2002 SRL <i>Tel: 0722.487.889; Fax: 021/269.32.73; E-mail: ionica_grigore2001@yahoo.com</i></p>	13 ⁴⁰ -13 ⁵⁰
<p>THE ISOLATION OF ENDOPHYTIC STRAINS FROM POTATO PLANTS / IZOLAREA TULPINILOR DE ENDOFIȚI DIN PLANTELE DE CARTOF PhD Eng. Fendrihan S.^{1,2,3} ¹⁾Research-Development Institute for Plant Protection, Bucharest / Romania; ²⁾University V Goldis Arad / Romania ³⁾Romanian Bioresource Centre Bucharest / Romania <i>Tel.: 0720134916 e mail:ecologos23@yahoo.com</i></p>	13 ⁵⁰ -14 ⁰⁰	<p>CONSIDERATION REGARDING ECOLOGICAL MECHANIZATION MACHINERY AND TECHNOLOGIES USED IN CEREAL FARMING CONSIDERATII PRIVIND UTILAJELE SI TEHNOLOGIILE ECOLOGICE DE MECANIZARE FOLOSITE IN AGRICULTURA CEREALIERA Eng. Diaconu A.D., Ph.D. Eng. Visan A.L.*, Eng. Milea D., Eng. Bogdanof G.C. INMA Bucharest / Romania, <i>E-mail: alexandriion1982@yahoo.com</i></p>	13 ⁵⁰ -14 ⁰⁰
14⁰⁰-15⁰⁰: Lunch			

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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. DUMITRESCU Cătălin (Fourth Floor Lobby - Politehnica University Library)		Chairman: Ph.D. Eng. CONSTANTINESCU Florica / Assoc. Prof. Ph.D. Eng. PANDIA Olimpia (Fourth Floor Lobby - Politehnica University Library)	
<p align="center">HYDRAULIC MODELING FOR BETTER OPERATIONAL PERFORMANCE OF EXISTING IRRIGATION CANAL / ХИДРАВЛИЧНО МОДЕЛИРАНЕ ЗА ПО-ДОБРА ОПЕРАТИВНА ЕФЕКТИВНОСТ НА СЪЩЕСТВУВАЩ НАПОИТЕЛЕН КАНАЛ Assos. Prof Galina Patamanska, Ass. Prof. Elena Grancharova Institute for Soil Science, Agrotechnologies and Plant Protection „N. Pushkarov“ / Bulgaria E-mail: patamanska_g@yahoo.com</p>	15 ⁰⁰ -15 ⁰⁵	<p align="center">RESEARCH ON THE CALORIFIC VALUE OF THE HARDWOOD SPECIES / CERCETĂRI PRIVIND PUTEREA CALORICĂ A SPECIILOR DE FOIOASE Spirchez C.¹⁾, Lunguleasa A.¹⁾, Prună M.²⁾, Gaceu L.¹⁾ ¹⁾Transilvania University of Braşov – Romania; ²⁾ Institute for Research in Construction Technology and Equipment Bucharest – Romania E-mail: cosmin.spirchez@unitbv.ro</p>	15 ⁰⁰ -15 ⁰⁵
<p align="center">USE OF SOLIDWORKS IN DESIGNING AGRICULTURAL MACHINES (A SAMPLE: ROTARY TILLER) / ТАРИМ МАКІНАЛАРИ ТАСАРИМІНДА СОЛІДВОРКС КУЛЛАНІМІ (ОРНЕК: ТОПРАК ФРЕЗЕСІ) Assist.Prof.Dr. Selvi K.Ç.¹⁾, Asst. Prof.Dr. KABAS Ö²⁾ ¹⁾ Department of Agriculture Machinery and Technologies Engineering, Faculty of Agriculture, Ondokuz Mayıs University, Atakum, Samsun, TURKEY; ²⁾ Akdeniz University, Vocational School of Technical Science, Antalya, Turkey Tel: + 90 362 312 19 19 / 1259; E-mail: kcselvi@omu.edu.tr</p>	15 ⁰⁵ -15 ¹⁰	<p align="center">THEORETICAL CONSIDERATIONS ON THE PROCESS OF FLATTENING CEREAL GRAINS WITH HIGH MOISTURE TO BE USED AS FODDER / CONSIDERAȚII TEORETICE ASUPRA PROCESULUI DE APLATIZARE A CEREALELOR BOABE CU UMIDITATE RIDICATĂ ÎN VEDEREA UTILIZĂRII CA FURAJE Ph.D. Stud. Eng. Zaica A., Ph.D. Eng. Nedelcu A., Ph.D. Eng. Ciupercă R., Ph.D. Eng. Popa L., Ph.D. Stud. Eng. Zaica Al., Eng. Anghelut A., Ph.D. Stud. Eng. Mircea C. ¹⁾INMA Bucharest / Romania / University Politehnica Bucharest / Romania E-mail: acanpeanu@yahoo.com</p>	15 ⁰⁵ -15 ¹⁰
<p align="center">THE STUDY OF OPERATIONAL PARAMETERS OF A WHEELED TRACTOR WITH A GAS ENGINE IN THE TRANSPORT PROCESS / ДОСЛІДЖЕННЯ ЕКСПЛУАТАЦІЙНИХ ПОКАЗНИКІВ КОЛІСНОГО ТРАКТОРА З ГАЗОВИМ ДВИГУНОМ У ТРАНСПОРТНОМУ ПРОЦЕСІ Prof., D.Sc. Eng. Zakharchuk V.I., Assoc. Prof., Ph.D. Eng. Zakharchuk O.V., Assoc. Prof., Ph.D. Eng. Kuts N.G., Postgrad. Stud. Zakharchuk M.I. Lutsk National Technical University, Faculty of Mechanical Engineering/Ukraine; Tel: 0332746103; E-mail: Zaharchukov205@gmail.com</p>	15 ¹⁰ -15 ¹⁵	<p align="center">EXPERIMENTAL RESEARCHES ON THE BENEFITS OF ADDITIVE ADDITION TO AGRICULTURAL BIOMASS PELLETS / CERCETĂRI EXPERIMENTALE ASUPRA BENEFICIILOR ADĂUGĂRII DE ADITIVI PELETELOR DIN BIOMASĂ AGRICOLĂ PhD. Stud. Eng. Găgeanu I.^{1,2)}, Prof. Ph.D. Eng. Voicu Gh.²⁾, Eng. Moise C.³⁾, PhD. Eng. Voicea I.¹⁾, PhD. Stud. Eng. Cujbescu D.¹⁾, PhD. Stud. Eng. Persu C.¹⁾, ¹⁾INMA Bucharest/ Romania; ²⁾University Politehnica of Bucharest/ Romania; ³⁾SC NESS PROIECT EUROPE SRL / Romania Tel: +40762676642; E-mail: iulia.gageanu@gmail.com</p>	15 ¹⁰ -15 ¹⁵
<p align="center">RATIONAL PARAMETERS OF A VIBRATION SHELL FOR CRACK FORMATION IN SOIL / РАЦІОНАЛЬНІ ПАРАМЕТРИ ВІБРОСНАРЯДУ ДЛЯ ФОРМУВАННЯ ЩІЛИНИ В ҐРУНТІ Eng. Karplyuk V.R., Prof. Ph.D. Romanovskiy O.L., Assoc. Prof. Ph.D. Makarchuk O.V., Senior Lecturer, Ph.D. Vasylichuk O. Y.* National University of Water and Environmental Engineering / Ukraine E-mail: o.y.vasylichuk@nuwm.edu.ua</p>	15 ¹⁵ -15 ²⁰	<p align="center">TECHNOLOGIES FOR ORGANIC FERTILIZATION IN FRUIT TREE ORCHARDS / TEHNOLOGII PENTRU FERTILIZARE ORGANICĂ ÎN LIVEZILE DE POMI FRUCTIFERI PhD. Eng. Popa L.*, PhD. Eng. Nedelcu A., PhD. Eng. Ciupercă R., PhD. Stud. Eng. Ștefan V., Eng. Cristescu A., Eng. Dumitru D., PhD. Stud. Eng. Zaica A., Eng. Anghelut A., PhD. Stud. Eng. Mircea C. INMA Bucharest / Romania E-mail: lucretia_popa@yahoo.com</p>	15 ¹⁵ -15 ²⁰
<p align="center">RESEARCH OF WEDGE-SHAPED DESTRUCTIVE ELEMENTS PLACEMENT ICEBREAKER / ДОСЛІДЖЕННЯ РОЗМІЩЕННЯ КЛИНОВИДНИХ РУЙНІВНИХ ЕЛЕМЕНТІВ ЛЬОДОКОЛЮВАЧА Assoc.Prof. Ph.D. Eng. M.V. Holotiu^{1,2)}, Assoc.Prof. Ph.D. Eng. Ye.I. Tkhoruk²⁾, Lect. Eng. V.O. Doroshchuk²⁾, Ph.D. Eng. V.L. Martyniuk¹⁾ ¹⁾Lutsk National Technical University / Ukraine; ²⁾ National University of Water Management and Nature Resources Use / Ukraine Tel: +38 096-97-205-98; E-mail: m.v.holotiu@nuwm.edu.ua</p>	15 ²⁰ -15 ²⁵	<p align="center">IMPACT OF HUMAN ACTIVITIES ON NATURAL COMPONENTS FROM PERIMETER OF PROTECTED AREAS / IMPACTUL ACTIVITĂȚILOR UMANE ASUPRA COMPONENTELOR NATURALE DIN PERIMETRUL ARIILOR PROTEJATE Eng. Epure M.*, PhD. Eng. Alexandru I., Eng. Bunduchi G. INMA Bucharest / Romania Tel: 0758-093832; E-mail: secretariat@inma.ro</p>	15 ²⁰ -15 ²⁵
<p align="center">EXPERIMENTAL RESEARCHES REGARDING THE QUALITATIVE WORKING INDEXES OF A SOWING MACHINE DESIGNED TO DIRECT ESTABLISHMENT OF STRAW CEREAL CROPS / CERCETĂRI EXPERIMENTALE PRIVIND INDICI CALITATIVI DE LUCRU AI UNEI SEMĂNĂTORI NOI DESTINATĂ TEHNOLOGIEI DE ÎNFIINȚARE DIRECTĂ A CULTURILOR DE CEREALE PĂIOASE Ph.D. Eng. Mateescu M., Ph.D. Eng. Marin E., Ph.D. Eng. Manea D., PhD Stud. Eng. Gheorghe G. INMA Bucharest / Romania, Tel: 0756880044; E-mail: marinelamateescu@yahoo.com</p>	15 ²⁵ -15 ³⁰	<p align="center">APPLICATION OF GEOSTATISTICS FOR REMEDIATION PURPOSES IN POLLUTED SITES / APPLICATION DE GÉOSTATISTIQUES À DES FINS D'ASSAINISSEMENT DANS DES SITES POLLUÉS Fatima-Zohra Benmostefa Lagueche¹⁾, Hamza Cheniti²⁾ ¹⁾Department of Mathematics, University Baġji Mokhtar of Annaba, / Algeria ²⁾Département des génie minière, Ecole Nationale Supérieure des Mines et de la Métallurgie / Algérie</p>	15 ²⁵ -15 ³⁰
<p align="center">EVALUATION OF TRANSPORT SYSTEM DEVELOPMENT THROUGH MODELLING / ОЦІНЮВАННЯ РОЗВИТКУ ТРАНСПОРТНОЇ СИСТЕМИ ЗА ДОПОМОГОЮ МОДЕЛЮВАННЯ Senior lecturer V.O. Doroshchuk, Lect. Ph.D. Eng. M. V. Holotiu* National University of Water and Environmental Engineering / Ukraine Tel: +38 096-97-205-98; E-mail: m.v.holotiu@nuwm.edu.ua</p>	15 ³⁰ -15 ³⁵	<p align="center">FACTORS THAT INFLUENCE THE MATHEMATICS CURRICULUM IN THE UK / FACTORII CARE INFLUENȚEAZĂ CURRICULUM-UL MATEMATICII ÎN REGATUL UNIT PhD. Eng. Paunescu C.¹⁾, PhD. Eng. Paunescu D. D.²⁾, PhD. Eng. Vladut V.³⁾ ¹⁾University of Bolton / U.K.; ²⁾Transylvania University of Brasov / Romania; ³⁾INMA Bucharest / Romania E-mail: crifinance@gmail.com</p>	15 ³⁰ -15 ³⁵
<p align="center">NON-CONVENTIONAL PRESERVATION METHODS FOR HORTICULTURAL PRODUCTS IN FRESH CONDITION / METODE DE CONSERVARE NECONVENTIONALE PENTRU PRODUSELE HORTICOLE ÎN STARE PROASPĂTĂ Eng. Oprescu M.R.*¹⁾, Ph.D. Eng. Matache M.1), Ph.D. Eng. Voicea I.1), Ph.D. Stud. Eng. Sorica E. 1), Ph.D. Stud. Eng. Cujbescu D., Ph.D. Stud. Eng. Găgeanu I., Eng. Grigore I., Prof. Ph.D. Eng. Biriș S.Șt.2), Lect. Ph.D. Eng. Ungureanu N., Ph.D. Eng. Sorică C.1), Eng. Dumitru I.1) ¹⁾INMA Bucharest / Romania; ²⁾University "POLITEHNICA" Bucharest, Faculty of Biotechnical Systems Engineering / Romania; Tel: 0766.580.791; E-mail: oprescu.remusmaris@gmail.com</p>	15 ³⁵ -15 ⁴⁰	<p align="center">EXPERIMENTAL RESEARCHES ON ASSESSING THE QUALITY OF VARIOUS TYPES OF CAMELINA OIL OBTAINED FOR ENERGETIC PURPOSES / CERCETĂRI EXPERIMENTALE ASUPRA EVALUĂRII CALITĂȚII MAI MULȚOR TIPURI DE ULEI DE CAMELINĂ OBTINUTE ÎN SCOPURI ENERGETICE PhD. Stud. Eng. Găgeanu I.*¹⁾, PhD. Eng. Voicea I.¹⁾, Assoc. Prof. Ph.D. Eng. Covaliu C.I.²⁾, Ph.D. Stud. Eng. Cujbescu D.¹⁾, PhD Stud. Eng. Persu C.¹⁾, PhD. Stud. Eng. Nițu M.¹⁾, Ekielski A.³⁾ ¹⁾INMA Bucharest/ Romania; ²⁾University Politehnica of Bucharest / Romania; ³⁾Warsaw University of Life Sciences / Poland Tel: +40762676642; E-mail: iulia.gageanu@gmail.com</p>	15 ³⁵ -15 ⁴⁰

<p>EXPERIMENTAL RESEARCHES ON THE INFLUENCE OF ACTIVE BODIES GEOMETRY ON QUALITATIVE AND ENERGETIC WORKING INDICES OF COMBINATORS FOR SEEDBED PREPARATION / CERCETARI EXPERIMENTALE PRIVIND INFLUENTA GEOMETRIEI ORGANELOR ACTIVE ASUPRA INDICILOR CALITATIVI DE LUCRU ŞI ENERGETICI LA COMBINATOARE PENTRU PREGĂTIREA PATULUI GERMINATIV</p> <p>Eng. Bolintineanu Gh.¹⁾, Ph.D. Stud. Eng. Cujbescu D.¹⁾, Ph.D. Stud. Eng. Persu C.¹⁾, Ph.D. Eng. Voicea I.¹⁾, Ph.D. Stud. Eng. Găgeanu I.¹⁾, Ph.D. Eng. Vlăduţ V.¹⁾, Ph.D. Eng. Ungureanu N.²⁾, Ph.D. Eng. Sorică C.¹⁾, Ph.D. Stud. Eng. Sorică E.¹⁾</p> <p>¹⁾INMA Bucharest, ²⁾ University Politehnica Bucharest / Romania; Tel: 0723935254; E-mail: bolintineanu_gh@yahoo.com</p>	15 ⁴⁰ -15 ⁴⁵	<p>ENERGETIC CAPITALIZATION OF BIOMASS RESIDUES RESULTED AFTER EXTRACTING FIBERS FROM CANNABIS SATIVA L. / VALORIFICAREA ENERGETICĂ A REZIDUURILOR DE BIOMASĂ REZULTATE DE LA EXTRAGEREA FIBRELOR DE CANNABIS SATIVA L.</p> <p>Ph.D. Eng. Voicea I.¹⁾, Ph.D. Eng. Găgeanu I.¹⁾, Ph.D. Eng. Cujbescu D.¹⁾, Ph.D. Eng. Persu C.¹⁾, Eng. Dumitru I.¹⁾ Eng. Oprescu R.¹⁾, Prof. Ph.D. Eng. Voicu Ghe.²⁾, Ph.D. Eng. Ungureanu N.²⁾, Ph.D. Eng. Dilea M.²⁾</p> <p>¹⁾ INMA Bucharest / Romania; ²⁾University Politehnica Bucharest, / Romania; Tel: 0752161780; E-mail: voicea_iulian@yahoo.com</p>	15 ⁴⁰ -15 ⁴⁵
<p>CONSIDERATIONS ON MECHANICALLY ACTIVE EQUIPMENT FOR OPEN INTERRUPTED FURROW USED IN TECHNOLOGY OF WEEDING PLANT CULTURES FRUIT AND VITICULTURAL PLANTATIONS / CONSIDERAȚII PRIVIND ECHIPAMENTELE ACTIONATE MECANIC PENTRU DESCHIS BRAZDE INTRERUPTUTE UTILIZATE IN TEHNOLOGIA CULTURILOR DE PLANTE PRASITOARE SI PLANTATII VITIPOMICOLE</p> <p>Eng. Oprescu M.R.¹⁾, Prof. Ph.D. Eng. Biriş S.Şt.²⁾, Ph.D. Eng. Marin E.¹⁾, Ph.D. Eng. Sorică C.¹⁾, Lect. Ph.D. Eng. Ungureanu N.²⁾, Ph.D. Eng. Sorică E.¹⁾, Eng. Dumitru I.¹⁾, Eng. Grigore I.¹⁾</p> <p>¹⁾INMA Bucharest / Romania; ²⁾University "POLITEHNICA" Bucharest / Romania; Tel: 0766.580.791; E-mail: oprescu.remusmarius@gmail.com</p>	15 ⁴⁵ -15 ⁵⁰	<p>METHODS OF BIOGAS PURIFICATION – A REVIEW / METODE DE PURIFICARE A BIOGAZULUI – REVIEW</p> <p>As. Ph.D. Stud. Eng. Zăbavă B.Şt.¹⁾, Prof. Ph.D. Eng. Voicu Gh.¹⁾, Lect. Ph.D. Eng. Ungureanu N.¹⁾, Lect. Ph.D. Eng. Dincă M.¹⁾, Prof. Ph.D. Eng. Paraschiv G.¹⁾, As. Ph.D. Stud. Eng. Munteanu M.¹⁾, Assoc. Prof. Ph.D. Ferdes M.¹⁾</p> <p>¹⁾University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; Tel: 0731538941; E-mail: bianca.dragoiu@yahoo.com</p>	15 ⁴⁵ -15 ⁵⁰
<p>THE STUDY OF THE ARRANGEMENT OF WORKING ELEMENTS FOR HOMOGENEOUS FROZEN ENVIRONMENTS FRACTURE / ДОСЛІДЖЕННЯ РОЗМІЩЕННЯ РОБОЧИХ ЕЛЕМЕНТІВ ДЛЯ РУЙНУВАННЯ ОДНОРІДНИХ МЕРЗЛИХ СЕРЕДОВИЩ</p> <p>Assoc.Prof. Ph.D. Eng. M.V. Holotiu¹⁾, Assoc.Prof. Ph.D. Eng. Ye.I. Tkhoruk²⁾, Lect. Eng. V.O. Doroshchuk²⁾, Ph.D. Eng. V.L. Martyniuk¹⁾</p> <p>¹⁾Lutsk National Technical University / Ukraine; ²⁾National University of Water Management and Nature Resources Use/ Ukraine Tel: +38 096-97-205-98; E-mail: m.v.holotiu@nuwm.edu.ua</p>	15 ⁵⁰ -15 ⁵⁵	<p>COMPUTER SCIENCE IN RENEWABLE ENERGY / INFORMATICA ÎN DOMENIUL ENERGIEI REGENERABILE</p> <p>Paunescu Victor Sorin¹⁾, Paunescu Dan Dorian²⁾, Vladut Valentin³⁾</p> <p>¹⁾University of Manchester / U.K.; ²⁾Transylvania University of Brasov / Romania; ³⁾INMA Bucharest / Romania E-mail: paunescu.victor@gmail.com</p>	15 ⁵⁰ -15 ⁵⁵
<p>CONSIDERATIONS ON MAINTAINING THE SEEDING DEPTH FOR MODERN HOEING PLANTS SEEDING MACHINES/ CONSIDERAȚII PRIVIND MENȚINEREA ADÂNCIMII DE SEMĂNAT LA SEMĂNĂTORILE MODERNE DE PLANTE PRĂȘITOARE</p> <p>Ph.D. Stud. Eng. Cujbescu D. ¹⁾, Prof. Ph.D. Eng. Voicu Gh.²⁾, Eng. Bolintineanu Gh.¹⁾, Ph.D. Stud. Eng. Persu C.¹⁾, Ph.D. Stud. Eng. Găgeanu I.¹⁾, Ph.D. Stud. Eng. Vlăduțoiu L.¹⁾, Ph.D. Stud. Eng. Sorică E.¹⁾, Eng. Grigore I.¹⁾, Eng. Dumitru I.¹⁾, Eng. Oprescu M.R.¹⁾</p> <p>¹⁾INMA Bucharest, ²⁾ Universities Polytechnic Bucharest, Faculty of Biotechnical Systems Engineering / Romania; Tel: 0212693255; E-mail: dcujbescu@yahoo.com</p>	15 ⁵⁵ -16 ⁰⁰	<p>SCIENTIFIC ADVANCES IN UKRAINE AND WORLD EXPERIENCE OF CREATING INNOVATIVE PRODUCTS MADE FROM OILSEED FLAX STRAW / НАУЧНІ ДОСТИЖЕННЯ В УКРАЇНІ І МИРОВОЙ ОПИТ СОЗДАНИЯ ИННОВАЦИОННОЙ ПРОДУКЦИИ С СОЛОМЫ ЛЬНА МАСЛИЧНОГО</p> <p>Ph.D. senior lecturer Shovkomud A. ¹⁾, Ph.D. doctoral student Golovenko T.²⁾, Prof. Ph.D. Eng. Chursina L.A.²⁾</p> <p>¹⁾ Lutsk National Technical University, Faculty of Biotechnical Systems Engineering / Ukraine; ²⁾Kherson National Technical University, Faculty of Integrated Technologies and Commodity Science / Ukraine; Tel: +3(08)0508553480; E-mail: tanyushkagolovenko@ukr.net</p>	15 ⁵⁵ -16 ⁰⁰
<p>SEPARATION OF CEREAL SEEDS AND TECHNICAL PLANTS ACCORDING TO LENGTH IN ORDER TO IMPROVE SEEDS QUALITY / SEPARAREA SEMINTELOR DE CEREALE SI PLANTE TEHNICE DUPĂ LUNGIME ÎN SCOPUL ÎMBUNĂȚĂȚIRII CALITĂȚII SEMINTELOR</p> <p>Eng. Bunduchi G.*, Ph.D. Eng. Găgeanu P., Ph.D. Eng. Brăcăcescu C., Ph.D. Stud. Eng. Zaica A., Eng. Epure M.</p> <p>INMA Bucharest / Romania E-mail: anca_bunduchi@yahoo.com</p>	16 ⁰⁰ -16 ⁰⁵	<p>CONVENTIONAL AND NEW BIOLOGICAL METHODS IN THE ASSESSMENT OF MICROBIAL POPULATIONS IN BIOGAS PRODUCING – A REVIEW / METODE TRADITIONALE SI NOI PENTRU EVALUAREA POPULATIILOR MICROBIENE IN PRODUCEREA DE BIOGAZ - REVIEW</p> <p>Assoc. Prof. Ph.D. Ferdes M. *, Lect. Ph.D. Eng. Dinca M., As. Ph.D. Zabava B., University "Politehnica" of Bucharest, Faculty of Biotechnical Systems Engineering Tel: 0729 821 256, email: marianaferdes@yahoo.com</p>	16 ⁰⁰ -16 ⁰⁵
<p>ASPECTS REGARDING THE CONSTRUCTION AND OPERATION OF AGRICULTURAL CULTIVATORS WITH VIBRATORY WORKING TOOLS / ASPECTE PRIVIND CONSTRUCȚIA ȘI FUNCȚIONAREA CULTIVATOARELOR AGRICOLE PREVĂZUTE CU ORGANE DE LUCRU VIBRATOARE</p> <p>As. Ph.D. Stud. Eng. Gheorghită N.E.¹⁾, Prof. Ph.D. Eng. Biriş S.Şt.¹⁾, Lect. Ph.D. Eng. Ungureanu N.¹⁾, Lect. Ph.D. Eng. Ionescu M.¹⁾</p> <p>¹⁾ University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering / Romania; Tel: 0726453269; E-mail: evelin_gheorghita@yahoo.com</p>	16 ⁰⁵ -16 ¹⁰	<p>MECHANIZATION OF PLANTING WORKS IN DEFORRESTED AREAS, FOR REHABILITATION AND INCREASING SOIL STABILITY / MECANIZAREA LUCRĂRILOR DE PLANTARE ÎN ZONE DEFRIȘATE, ÎN VEDEREA REABILITĂRII ȘI CREȘTEREA STABILITĂȚII TERENURILOR</p> <p>Eng. Bogdanof Ctin.-G., Ph.D. Eng. Vișan A. L., Eng. Milea D.</p> <p>INMA Bucharest / Romania E-mail: gbogdanof@gmail.com</p>	16 ⁰⁵ -16 ¹⁰
<p>CONSTRUCTION AND REQUIREMENTS OF WORKING ORGANS OF AGRICULTURAL SUBSOILERS AND SCARIFIERS. REVIEW/ CONSTRUCȚIA ȘI CERINȚELE ORGANELOR DE LUCRU ALE SUBSOLIERELOR ȘI SCARIFICATOARELOR AGRICOLE. A REVIEW</p> <p>Ph.D. Stud. Eng. Olac C-tin B., Prof. Ph.D. Eng. Voicu Gh.*¹⁾, Lect. Ph.D. Eng. Tudor P., Assoc. Prof. Ph.D. Eng. Constantin G.</p> <p>University Politehnica of Bucharest / Romania E-mail: ghvoicu_2005@yahoo.com</p>	16 ¹⁰ -16 ¹⁵	<p>USING THE DELPHI METHOD FOR IMPROVING THE COST ALLOCATORS INSTALLATION SERVICE / UTILIZAREA METODEI DELPHI PENTRU ÎMBUNĂȚĂȚIREA SERVICIULUI DE MONTARE A REPARTITOARELOR DE COSTURI</p> <p>Mihai P., Vlăduț O. *, Duțu M-F, Vlăduț D-I, Duțu I-C</p> <p>University Politehnica Bucharest / Romania E-mail: oanavladut2016@gmail.com</p>	16 ¹⁰ -16 ¹⁵
<p>ZOOTECNICAL CONSTRUCTIONS. SHELTER SYSTEMS FOR CATTLE. REVIEW / CONSTRUCȚII ZOOTEHNICE. SISTEME DE ADAPOST PENTRU BOVINE. REVIEW</p> <p>Eng. Dumitru D. M.*¹⁾, Ph.D. Eng. Popa L., Eng. Cristescu A., Ph.D. Stud. Eng. Mircea C., Eng. Anghel A., Ph. D. Eng. Sorica C., Ph.D. Stud. Eng. Sorica E.</p> <p>INMA Bucharest / Romania E-mail: dumitrudanielmarian@yahoo.com</p>	16 ¹⁵ -16 ²⁰	<p>ECOLOGICAL IMPLICATIONS OF MECHANICAL EXECUTION OF WORKS IN AGRICULTURE / IMPLICATIILE ECOLOGICE ALE EXECUTĂRII MECANIZATE A LUCRĂRILOR ÎN AGRICULTURĂ</p> <p>Eng. Leseanu A.*¹⁾, Eng. Neagoe M.¹⁾, Ph.D. Eng. Vladut V.¹⁾, Eng. Neagoe V.¹⁾ Ph.D. Eng. Sorica C.¹⁾, Eng. Grigore A. I.¹⁾, Ph.D. Stud. Eng. Sorica E.¹⁾</p> <p>¹⁾ INMA Bucharest; Tel: 0727651064; E-mail: gabriel_alex99@yahoo.com</p>	16 ¹⁵ -16 ²⁰
<p>CONSIDERATIONS CONCERNING THE INFLUENCE OF CONSTRUCTIVE AND FUNCTIONAL CHARACTERISTICS OF ACTIVE ORGANISMS TO PELLETISED PRESSES WITH PLANE MATRIX / CONSIDERAȚII PRIVIND INFLUENȚA CARACTERISTICILOR CONSTRUCȚIVE ȘI FUNCȚIONALE ALE ORGANELOR ACTIVE LA PRESELE DE PELETIZAT CU MATRITA PLANĂ</p> <p>Eng. Milea D., Ph.D. Eng. Vișan A.L., Ph.D. Eng. Păun A., Eng. Bogdanof G.C., Ph.D. Stud. Eng. Găgeanu I.</p> <p>INMA Bucharest / Romania E-mail: milea_dumitru57@yahoo.com</p>	16 ²⁰ -16 ²⁵	<p>RESEARCH ON THE EVOLUTION OF SOME CHARACTERISTICS REGARDING THE GROWTH, SIZE AND RESISTANCE TO STRESS FACTORS OF MISCANTHUS SP. CROP / CERCETĂRI ASUPRA EVOLUȚIEI UNOR CARACTERISTICI PRIVIND RĂSĂRIREA, TALIA ȘI REZISTENȚA LA FACTORII DE STRES A CULTURII DE MISCANTHUS SP.</p> <p>Eng. Dumitru C.*¹⁾, Ph.D. Eng. Marin E.¹⁾, Eng. Iuga D.²⁾</p> <p>¹⁾INMA Bucharest / Romania; ²⁾SC METROUL SA / Romania Tel: 0758092438; E-mail: cdumitru@inma.ro</p>	16 ²⁰ -16 ²⁵

<p>THEORETICAL GROUNDING OF RATIONAL DESIGN OF WORKING ELEMENTS OF STRAW DISPENSER OF GRAIN COMBINE HARVESTER / ТЕОРЕТИЧЕСКОЕ ОБОСНОВАНИЕ РАЦИОНАЛЬНОЙ КОНСТРУКЦИИ РАБОЧИХ ОРГАНОВ ИЗМЕЛЬЧИТЕЛЯ-РАЗБРАСЫВАТЕЛЯ ЗЕРНОУБОРОЧНОГО КОМБАЙНА Prof. Ph.D. Eng.Sc. Rodimtsev S.A.¹⁾, Prof. Ph.D. Eng.Sc. Kuznetsov Y.A.¹⁾, Prof. Ph.D. Eng.Sc. Kolomeichenko A.V.¹⁾, Assoc. Prof. D.Eng.Sc. Goncharenko V.V.¹⁾, Yagelskiy M.Y.¹⁾, Senior Lecturer Ivanushkina N. M.¹⁾, Prof. Ph.D. Phil.Sc. Kalashnikova L.V.²⁾ ¹⁾Orel State Agrarian University named after N.V. Parakhin / Russia; ²⁾Orel State University named after I.S. Turgenyev / Russia Tel: +79208289219; E-mail: kentury@rambler.ru.</p>	16 ²⁵ -16 ³⁰	<p>CONTRIBUTION TO THE STRENGTHENING OF THE BILATERAL COOPERATION BETWEEN ROMANIA AND NORWAY, LINKED TO IMPROVEMENT OF KNOWLEDGE AND CAPACITY OF A NUMBER OF EXPERTS AND PROFESSIONALS IN HAZARDOUS SUBSTANCES, BY MEANS OF PROFESSIONAL TRAINING: TARCHS PROJECT / CONTRIBUȚIA LA CONSOLIDAREA COOPERĂRII BILATERALE ROMÂNIA - NORVEGIA, LEGATĂ DE ÎMBUNĂTĂȚIREA CUNOȘTEINTELOR ȘI A CAPACITĂȚILOR UNUI NUMĂR DE EXPERTI ȘI PROFESIONIȘTI PRIVIND SUBSTANȚELE PERICULOASE, PRIN FORMARE PROFESIONALĂ: PROIECT TARCHS Deák Gy.*¹⁾, Chiriac M., Ionescu P., Anghel A.-M., Maria C., G. GHIȚĂ, Radu M. N., Mărcuș I. National Institute for Research and Development in Environmental Protection – INCDPM Bucharest / Romania E-mail: ckrcontrol@yahoo.com</p>	16 ²⁵ -16 ³⁰
<p>PLANE SIEVES WITH SQUARE FRAMES – TECHNICAL EQUIPMENT FOR INCREASING THE EFFICIENCY OF SORTING MILLED MATERIALS / SITELE PLANE CU RAME PĂTRATE - ECHIPAMENTE TEHNICE DESTINATE CREȘTERII EFICIENȚEI SORTĂRII PRODUSELOR MĂCINATE PhD. Eng. Găgeanu P.*¹⁾, PhD. Stud. Eng. Găgeanu I., PhD. Stud. Eng. Zaica Al., PhD. Eng. Brăcăcescu C. INMA Bucharest / Romania e-mail: paulgageanu@yahoo.com</p>	16 ³⁰ -16 ³⁵	<p>WASTEWATER TREATMENT THROUGH THE FLOTATION PROCESS / EPURAREA APELOR UZATE PRIN PROCESUL DE FLOTAȚIE Voicea I.*¹⁾, Matache M.¹⁾, Găgeanu I.¹⁾, Sorică C.¹⁾, Moga I.C.²⁾, Petrescu G.²⁾, Covaliu C.³⁾, Atanasov At.⁴⁾ ¹⁾INMA Bucharest / Romania; ²⁾SC DFR SYSTEMS SRL / Romania; ³⁾University Politehnica of Bucharest / Romania; ⁴⁾University of Ruse / Bulgaria E-mail: voicea_julian@yahoo.com</p>	16 ³⁰ -16 ³⁵
<p>THE METHODOLOGY FOR THE 3D PRINTING TECHNIQUE OF PARTS FOR URGENT REPAIRS PROVIDED BY THE MECANO-ENERGETIC SERVICE WITHIN SOME MACHINE BUILDING COMPANIES / METODOLOGIE DE REALIZARE PRIN TEHNICA IMPRIMĂRII 3D A UNOR PIESE DESTINATE UNOR REPARATII URGENTE FURNIZATE DE SERVICIUL MECANO-ENERGETIC DIN CADRUL UNOR INTREPRINDERI CONSTRUCTOARE DE MASINI Eng. Pop F.*¹⁾, Ph.D. Eng. Marin E.¹⁾, PhD Student Eng. Persu C.¹⁾, Eng. Iuga D.²⁾ ¹⁾INMA Bucharest / Romania; ²⁾SC METROUL SA / Romania Tel: 0767731577; E-mail: popflorino@yahoo.com</p>	16 ³⁵ -16 ⁴⁰	<p>DEVELOPMENT OF AN AUTOMATIC TECHNICAL SYSTEM TO TREAT THE CRIMPED GRAIN for ENSILAGE IN SILO BAGS/ DEZVOLTAREA UNUI SISTEM TEHNIC AUTOMAT DE TRATARE A MATERIALULUI FURAJER APLATIZAT IN VEDEREA INSILOZARII PhD. Eng. Vișan A.L.*¹⁾, Eng. Milea D., PhD. Eng. Paun A., PhD. Stud. Eng. Constantinescu L., Eng. Diaconu A.C. INMA Bucharest / Romania E-mail: alexandron1982@yahoo.com</p>	16 ³⁵ -16 ⁴⁰
<p>NOISE MEASUREMENT AND DIRECTIONAL CURVE DETERMINATION FOR AN AGRICULTURAL TRACTOR / MĂSURAREA ZGOMOTULUI ȘI DETERMINAREA CURBEI DE DIRECTIVITATE A UNUI TRACTOR AGRICOL PhD. Stud. Eng. Sorică E.*¹⁾, PhD. Eng. Sorică C.¹⁾, PhD. Stud. Eng. Persu C.¹⁾, Eng. Bolinteanu Gh.¹⁾, PhD. Stud. Eng. Radu O.¹⁾, PhD. Eng. Brăcăcescu C.¹⁾, PhD. Stud. Eng. Mircea C.¹⁾, Eng. Opreșcu M. R.¹⁾, Eng. Grigore A. I.²⁾ ¹⁾INMA Bucharest / Romania; ²⁾MOV INVEST 2002 SRL Tel: 0722.487.889; Fax: 021/269.32.73; E-mail: postelnicu.elena@yahoo.com</p>	16 ⁴⁰ -16 ⁴⁵	<p>THE USE OF OZONE IN DIFFERENT ENVIRONMENTAL APPLICATIONS / UTILIZAREA OZONULUI IN DIFERITE APLICAȚII DE MEDIU Lect. PhD. Eng. Istrate I.*¹⁾, Assoc. Prof. PhD. Eng. Ferdes M.¹⁾, Lect. PhD. Eng. Rada E.C.²⁾, Lect. PhD. Eng. Dincă M.¹⁾ ¹⁾University Politehnica of Bucharest / Romania; ²⁾University of Trento, Department of Civil, Environmental and Mechanical Engineering/ Italy E-mail: ia_istrate@yahoo.com</p>	16 ⁴⁰ -16 ⁴⁵
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<p>MODIFYING EQUILIBRATION CONDITIONS ACCORDING TO ROTOR ROTATION ANGLE ON MC 22 HAMMER MILL / MODIFICAREA CONDIȚIILOR DE ECHILIBRARE ÎN FUNCȚIE DE UNghiUL DE ROTAȚIE AL ROTORULUI MORII CU CIOCANE MC 22 PhD. Eng. Moiceanu G.¹⁾, Prof. PhD. Eng. Voicu Gh.¹⁾, PhD. Stud. Eng. Chițoiu M.¹⁾, Prof. PhD. Eng. Paraschiv G.¹⁾, Lect. PhD. Eng. Dincă M.¹⁾, PhD. Eng. Vlăduț V.²⁾ ¹⁾ University Politehnica of Bucharest, Faculty of Biotechnical Systems Engineering/Romania; ²⁾ INMA Bucharest/Romania; E-mail: moiceanugeorgiana@gmail.com</p>	17 ¹⁰ -17 ¹⁵	<p>OVERVIEW ON „HAZARDOUS WASTE – MANAGEMENT AND RISKS FOR ENVIRONMENT AND HEALTH GUIDE RELEASED BY TARCHS PROJECT / DEȘEURI PERICULOASE - MANAGEMENT ȘI RISCURI PENTRU MEDIU ȘI SĂNĂTATE” - GHID ELABORAT ȘI LANSAT ÎN CADRUL PROIECTULUI TARCHS Chiriac M., Deák Gy.*¹, Ionescu P., Anghel A.-M. National Institute for Research and Development in Environmental Protection – INCDPM Bucharest / Romania E-mail: dkrcontrol@yahoo.com</p>	17 ¹⁰ -17 ¹⁵
<p>DETERMINING THE DAMPING COEFFICIENT FOR THE SUSPENDING ELASTIC ELEMENTS FROM A VIBRATING FEEDER / DETERMINAREA COEFICIENTULUI DE AMORTIZARE AL ELEMENTELOR ELASTICE DE SUSPENDARE A UNUI ALIMENTATOR VIBRATOR PhD. Stud. Eng. Persu C.*¹⁾, PhD. Stud. Eng. Ivancu B.²⁾, Prof. Ph.D. Eng. Voicu Gh.²⁾, PhD. Stud. Eng. Gheorghe G.¹⁾, PhD. Stud. Eng. Cujbescu D.¹⁾, PhD. Stud. Eng. Sorica E.¹⁾, Eng. Cristescu A.¹⁾, Eng. Grigore I.¹⁾, PhD. Stud. Eng. Mircea C.¹⁾, PhD. Stud. Eng. Nitu M.¹⁾ ¹⁾INMA Bucharest / Romania; ²⁾University Politehnica Bucharest / Romania E-mail: persucatalin@yahoo.com</p>	17 ¹⁵ -17 ²⁰	<p>HYDROLOGICAL MODELLING FOR DIVICI – POJEJENA WETLAND TRIBUTARIES / MODELAREA HIDROLOGICA A AFLUENTILOR ZONEI UMEDE DIVICI-POJEJENA Boboc M.*¹, Laslo L., Ciobotaru N., Matei M., Velcea A.m., Deák Gy. National Research and Development Institute for Environmental Protection / Romania E-mail: mada91mada@yahoo.com</p>	17 ¹⁵ -17 ²⁰
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<p>CONSIDERATIONS ON NUMERICAL COMMAND MACHINES / CONSIDERAȚII PRIVIND MAȘINILE CU COMANDĂ NUMERICĂ Eng. Mihai M.*¹⁾, Ph.D. Stud. Eng. Cujbescu D.¹⁾, Ph.D. Stud. Eng. Persu C.¹⁾, ¹⁾INMA Bucharest E-mail: marian17mihai@yahoo.com</p>	17 ³⁵ -17 ⁴⁰	<p>MULTIFUNCTIONAL AGROTEXTILE FOR AGRICULTURE / HORTICULTURE / AGROTEXTILE MULTIFUNCTIONALE DESTINATE DOMENIULUI AGRICOL/ HORTICOL Priscop F.¹⁾, Scarlat R.¹⁾, Drambei P.²⁾, Rusu L.³⁾ ¹⁾National Institute for Research and Development for Textiles and Leathers Bucharest / Romania; ²⁾INMA Bucharest / Romania; ³⁾NGM Leonard SRL / Romania E-mail: priscop44@yahoo.ca</p>	17 ³⁵ -17 ⁴⁰
<p>INTELLIGENT ROLLING SYSTEM SRI 14 / SISTEM DE RULARE INTELLIGENT SRI 14 PhD. Eng. Ciupercă R.*¹⁾, Ec. Mindru D.Șt.²⁾, PhD. Stud. Eng. Zaica A.¹⁾, PhD. Eng. Nedelcu A.¹⁾, PhD. Eng. Popa L.¹⁾, PhD. Stud. Eng. Mircea C.¹⁾, Eng. Anghel A.¹⁾ ¹⁾I.N.M.A. Bucharest / Romania; ²⁾ELECTROPUTERE VFU PASCANI S.A. / Romania Tel: 0726719726; E-mail: ciupercaradu@yahoo.com</p>	17 ⁴⁰ -17 ⁴⁵	<p>INNOVATIVE TECHNOLOGY FOR ALGAE CULTIVATION IN OPEN SYSTEM / TEHNOLOGIE INOVATIVĂ PENTRU CULTIVAREA ALGELOR ÎN SISTEM DESCHIS Nedelcu A.*¹, Ciupercă R., Popa L., Anghel A., Mircea C., Zaica A., Zaica Al. INMA Bucharest / Romania E-mail: nedelcuus@yahoo.com</p>	17 ⁴⁰ -17 ⁴⁵

<p>SECTION 4 – Chain advising: “Funding Opportunities for Romanian PhD-Students and Researchers in Germany” (U.P. Bucharest Library, Building A, Hall 4.2)</p>	10 ⁰⁰ - 14 ⁰⁰
<p>SECTION 5 – Roundtable: “Contribution of renewable energy resources from the agro-zootechnical field to environmental protection” Chairman: PhD. Stud. Eng. MUSCALU Adriana / PhD. Eng. LUPESCU Irina (U.P. Bucharest Library, Building A, Hall 4.1)</p>	16 ³⁰ – 17 ³⁰

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<p>07³⁰-20⁰⁰ – Field Trip: Bucharest – 9⁴⁵-10⁰⁰: Arrival at Valahia University of Târgoviște; 10⁰⁰-10³⁰ – Coffee break (Hall – Building A); 10³⁰-11³⁰ – Visit at a Meat Processing Unit; 11³⁰-12³⁰ - Dealu Monastery; 12³⁰-14⁰⁰ – Târgoviște Royal Court; 14⁰⁰-15³⁰ - Lunch (Restaurant of Valahia University of Târgoviște); 16⁰⁰- 17⁰⁰ - Fruit-vegetable Storage facility – Voinesti); 17⁰⁰-...- Return to Bucharest.</p>	