



THE FIFTH EDITION OF THE INTERNATIONAL CONFERENCE

***“NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING”***

***TEME 2019***

23<sup>rd</sup>-25<sup>th</sup> of October 2019

Galați, Romania

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## **CONFERENCE PROGRAM**

23.10.2019 – WEDNESDAY, 04:00 PM - Registration, Ground Floor,  
Building M, North Wing (AN), Room AN 007, 111<sup>th</sup> Domneasca Str.

24.10.2019 – THURSDAY, 08:00 AM - Registration, Opening ceremony and  
Plenary lectures, Oral session and Poster session (see Annex)  
Building D, Floor I, 111<sup>th</sup> Domneasca Str.

25.10.2019 – FRIDAY, 10:00 AM - Trip on the Danube River

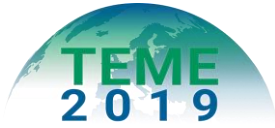
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### **Partners:**



**"Gheorghe Asachi" Technical University of Iași, Romania**





INTERNATIONAL CONFERENCE

NEW TRENDS IN ENVIRONMENTAL AND MATERIALS  
ENGINEERING

PROGRAM OF THE FIFTH INTERNATIONAL CONFERENCE  
“NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING” (TEME)  
23-25 October 2019, GALAȚI, ROMANIA

23.10.2019 – WEDNESDAY	
16 <sup>00</sup> -17 <sup>00</sup>	<b>Registration</b> <i>Ground Floor, Building M, North Wing (AN), Room AN 007, 111<sup>th</sup> Domneasca Street</i>
17 <sup>00</sup> -18 <sup>30</sup>	<b>Round table with debate on the topic “Challenges at the beginning of teaching and research career within a higher education institution”</b>
24.10.2019 – THURSDAY	
08 <sup>00</sup> -10 <sup>00</sup>	<b>Registration</b> <i>Floor I, Building D (in front of the Cathedral), 111<sup>th</sup> Domneasca Street</i>
10 <sup>00</sup> -10 <sup>30</sup>	<b>Opening ceremony</b>
<b>PLENARY LECTURES</b> <i>Floor I, Building D (in front of the Cathedral), Hall D12, 111<sup>th</sup> Domneasca Street</i>	
10 <sup>30</sup> -11 <sup>15</sup>	<b>Prof. Dr. Eng. Iulian RIPOSAN, University Politehnica of Bucharest, Romania, Faculty of Material Science and Engineering</b> <b>GRAPHITE DEGENERATION IN THE SURFACE LAYER – NODULAR GRAPHITE VERSUS COMPACTED GRAPHITE IRON CASTINGS</b>
11 <sup>15</sup> -12 <sup>00</sup>	<b>Prof. Dr. Eng. Iulian ANTONIAC, University Politehnica of Bucharest, Romania, Faculty of Material Science and Engineering</b> <b>NEW TRENDS IN BIODEGRADABLE METALS for MEDICAL DEVICES</b>
12 <sup>00</sup> -13 <sup>30</sup>	<b>Lunch break</b> <i>Notre Dame Cafeteria, Building M, North Wing (AN), 111<sup>th</sup> Domneasca Street</i>
<b>ORAL SESSION</b> <i>Floor I, Building D (in front of the Cathedral), Hall D12, 111<sup>th</sup> Domneasca Street</i> <i>Chairman: Prof. Dr. Eng. Petrica VIZUREANU</i>	
13 <sup>30</sup> -13 <sup>40</sup>	Maria IGNAT, Cristina COROMELCI, Sidorela VISHKULLI, Elvira MAHU, Valeria HARABAGIU <b>A STEP FORWARD IN THE DEVELOPMENT OF TITANIA PHOTOCATALYST SYNTHESIS: PLASMA-INDUCED POROUS STRUCTURE</b>
13 <sup>40</sup> -13 <sup>50</sup>	Nicoleta SIMIONESCU, Lidia BENEAE, Anca RAVOIU <b>THE INFLUENCE OF DISPERSED CeO<sub>2</sub> NANOPARTICLES ON THE ELECTRO-CRYSTALLIZATION MECHANISM OF COBALT</b>
13 <sup>50</sup> -14 <sup>00</sup>	Lidia BENEAE, Diana MOCANU <b>SIGNIFICANCE OF TRIBOCORROSION AND ELECTROCHEMICAL TECHNIQUES FOR CHARACTERIZATION IN BIOMEDICAL ENGINEERING</b>
14 <sup>00</sup> -14 <sup>15</sup>	Mihail LUCA, Paul Vivian SION <b>RESEARCHES CONCERNING THE CONFIGURATION OF GEOTEXTILES IN THE IMPLEMENTATION OF REGULATORY WORKS IN THE RIVERBEDS</b>
14 <sup>15</sup> -14 <sup>30</sup>	Elvira MAHU, Maria IGNAT, Corneliu COJOCARU, Petrisor SAMOILA, Cristina COROMELCI, Valeria HARABAGIU <b>CORRELATION OF MESOPOROUS TITANIA PROPERTIES WITH TITANIUM SOURCES USED IN THE ULTRASOUND SYNTHESIS PROCEDURE</b>
14 <sup>30</sup> -14 <sup>40</sup>	Alexandru-Stefan MANEA, Gultekin GOLLER, Dragos ALEXANDRESCU, Baris YAVAS, Iulian ANTONIAC <b>THE TECHNOLOGY OF OBTAINING THE COMPOSITE BASED ON BIODEGRADABLE MAGNESIUM POWDERS BY SPARK PLASMA SINTERING</b>



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14 <sup>40</sup> -14 <sup>50</sup>	Anca RAVOIU, Lidia BENEĂ, Nicoleta Lucica SIMIONESCU, Alexandru CHIRIAC <b>INFLUENCE OF INFLAMMATORY CONDITIONS ON THE CORROSION BEHAVIOR OF TITANIUM ALLOY IN BUFFERED BIOLOGICAL SOLUTION</b>
14 <sup>50</sup> -15 <sup>00</sup>	Veaceslav NEAGA, Lidia BENEĂ <b>OVERVIEW OF THE MOST USED ZIRCONIUM-BASED ALLOYS FOR MEDICAL IMPLANTS</b>
15 <sup>00</sup> -15 <sup>10</sup>	Laurentiu MARDARE, Lidia BENEĂ, Andrada ALEXANDRU <b>THE ROLE OF BLENDED NANO-TiO<sub>2</sub> POLYMERIC PRIMER IN THE CORROSION PROTECTION OF MARINE STRUCTURES</b>
15 <sup>10</sup> -15 <sup>20</sup>	Avram NICOLAE, Mirela SOHACIU, Cătălin GRĂDINARU, Maria NICOLAE <b>THE ECOLOGICAL ESSENCE FOR METALLIC MATERIALS DEGRADATION PROCESSES</b>
15 <sup>20</sup> -15 <sup>30</sup>	Dana COPOLOVICI, Corina POPITANU, Dennis IOSIF, Andreea LUPITU, Cristian MOISA, Florentina MUNTEANU, Lucian COPOLOVICI <b>VOLATILE ORGANIC COMPOUNDS IN URBAN ATMOSPHERE OF ARAD, ROMANIA</b>
15 <sup>30</sup> -15 <sup>40</sup>	Cristian MOISA, Florentina MUNTEANU, Dana COPOLOVICI, Florin OANCEA, Lucian COPOLOVICI <b>THE PROTECTIVE ROLE OF MUSHROOM EXTRACTS AGAINST PLANTS COLD STRESS</b>
15 <sup>40</sup> -15 <sup>50</sup>	Amalia Maria SESCU, Lidia FAVIER, Doina LUTIC, Gabriela CIOBANU, Maria HARJA <b>DESTRUCTIVE REMOVAL OF PERSISTENT ORGANIC WATER POLLUTANTS USING TiO<sub>2</sub> DOPED WITH NOBLE METALS</b>
15 <sup>50</sup> -16 <sup>00</sup>	Lidia FAVIER, Diana COMAN, Andrei Ionut SIMION, Mariana Liliana PACALA, Narcisa VRINCEANU <b>ENHANCED UV LIGHT ASSISTED PHOTOCATALYTIC ELIMINATION OF AN EMERGENT ORGANIC WATER CONTAMINANT</b>
16 <sup>00</sup> -16 <sup>10</sup>	Valentina POPA, Danut NISTOR, George SAIZU, Stefan PINTILIE <b>DETERMINATION OF SOIL COMPOSITION OF A TOURIST VILLAGE SITUATED IN DANUBE DELTA AREA</b>
16 <sup>10</sup> -16 <sup>20</sup>	Teodora ADAM, Giani ARAMA, Stefan PINTILIE <b>EVALUATION OF AIR QUALITY FROM SFANTU GHEORGHE VILLAGE OF DANUBE DELTA</b>
16 <sup>20</sup> -17 <sup>00</sup>	<i>Coffee break</i>
17 <sup>00</sup> -18 <sup>30</sup>	<i>POSTER PRESENTATIONS (See Annex 1 – Poster list)</i>
18 <sup>30</sup> -19 <sup>00</sup>	<i>CONFERENCE AWARDS</i>
20 <sup>00</sup> -00 <sup>00</sup>	<i>Gala Dinner Hotel Danube Stars (Dunarea), First Club Restaurant, 13<sup>th</sup> Domneasca Street</i>
<b>25.10.2019 – FRIDAY</b>	
08 <sup>30</sup> -10 <sup>00</sup>	<i>Round table. Conclusions and perspectives</i>
10 <sup>00</sup> -12 <sup>00</sup>	<i>Trip on the Danube River</i>



POSTER SESSION

<b>POSTER PRESENTATIONS - Floor I, Building D (in front of the Cathedral), 111<sup>th</sup> Domneasca Street</b> <i>Chairmen: Lect. Dr. Eng. Dragos ACHITEI</i> <i>Lect. Dr. Eng. Spiru PARASCHIV</i> <i>Assist. Lect. Dr. Eng. Geanina PINTILIE</i>	
P1.	Alaa ABOU HARB, Ion CIUCA, Mohammed ALQASIM FAYEQ, Mihai VASILE <b>CORROSION BEHAVIOR FOR U- BEND SAMPLES OF 304 AUSTENITIC STAINLESS-STEEL JOINTS WHICH WELDED BY TIG IN SALINE SOLUTION</b>
P2.	Adrian C. PUIȚEL, Dan GAVRILESCU, Gabriel D. SUDITU, Mircea T. NECHITA, Georgiana BĂLUȘESCU <b>CORN STALKS – RAW MATERIAL FOR FRACTIONATION TO VALUE ADDED PRODUCTS</b>
P3.	Mariana BUSILĂ, Loredana JUDELE, Alina M. CEOROMILA, Vasile BAȘLIU, Elena E. HERBEI <b>EFFECT OF OXIDE NANOPARTICLES ON MECHANICAL PROPERTIES OF CEMENT MORTAR</b>
P4.	Elena Emanuela HERBEI, Mariana BUȘILĂ <b>HYBRID MATERIALS FOR WATER PURIFICATION</b>
P5.	Stela CONSTANTINESCU <b>ESTIMATION AND SETTING THE RISK LEVEL AT A AGROTOURISTIC PENSION</b>
P6.	Stela CONSTANTINESCU <b>GREEN PLANT ON BIOCOMPOST – REGENERABLE SOURCE OF HEAT, METHANE GAS AND ELECTRICITY</b>
P7.	Stela CONSTANTINESCU <b>IMPLEMENTATION OF A THERMAL ENERGY PRODUCTION SYSTEM AT A THERMAL PLANT IN THE MUNICIPALITY OF GALATI</b>
P8.	Stela CONSTANTINESCU <b>ENVIRONMENTAL RISK ASSESSMENT AT THE SEWAGE TREATMENT PLANT IN BRAILA</b>
P9.	Stela CONSTANTINESCU <b>THE ENVIRONMENTAL IMPACT OF THE SORTING AND COMPOSTED STATION IN GALATI MUNICIPALITY</b>
P10.	Loredana PINTILIE, Elena N. DRĂGOI, Adrian C. PUIȚEL, Mircea T. NECHITA, Gabriel Dan SUDITU <b>INFLUENCE OF INLET AND OUTLET POSITIONS ON THE HYDRODINAMIC PERFORMANCES OF A LAB-SCALE REACTOR</b>
P11.	Maria HARJA, Gabriela Antoaneta APOSTOLESCU, Gabriela LISA, Nicolae APOSTOLESCU, Constantin BACIU, Ramona Elena TATARU – FARMUȘ <b>PROPERTIES OF TETA – POTASSIUM CARBONATE/ BICARBONATE SOLUTIONS IMPORTANT FOR CO<sub>2</sub> ABSORPTION</b>
P12.	Marius VASILESCU, Mircea DOBRESCU <b>THE IMPORTANCE OF NITROGEN IN HEAT TREATING OF FERROUS AND NON FERROUS METALS AND ALLOYS</b>
P13.	Romica CRETU <b>INVESTIGATION OF SOME ORGANIC POLLUTANTS IMPACT ON PHYSICO-CHEMICAL CHARACTERISTICS OF PLANTLETS</b>
P14.	Beatrice Daniela TUDOR <b>STUDY ON THE IMPACT OF CAR EMISSIONS ON THE ENVIRONMENT, IN GALATI</b>
P15.	Mircea Viorel DRAGAN, Beatrice Daniela TUDOR <b>IMPACT OF NOISE POLLUTION ON THE ENVIRONMENT, FROM AN AREA WITH EXPLOITATION ACTIVITIES, OF HYDROCARBONS</b>
P16.	Petrică VIZUREANU, Mădălina Simona BĂLȚATU, Dragoș Cristian ACHIȚEI, Andrei Victor SANDU <b>ELECTROCHEMICAL BEHAVIOUR OF Ti-Mo ALLOYS FOR MEDICAL APPLICATION</b>
P17.	Lucica BALINT, Gina Genoveva ISTRATE <b>EFFICIENCY OF MUNICIPAL WASTEWATER TREATMENT - CASE STUDY</b>
P18.	Adrian STOICA, Gheorghe STAN <b>INNOVATIVE PLANETARY TRANSMISSIONS</b>
P19.	Gabriela CIOBANU, Maria HARJA <b>HYDROXYAPATITE - CELLULOSE ACETATE BIOCOMPOSITES FOR SYNTHETIC BONE SUBSTITUTES</b>



P20.	Tamara RADU <b>CHARACTERISTICS ANALYSIS OF ENVIRONMENTAL RISK MANAGEMENT</b>
P21.	Tamara RADU <b>IMPROVING THE CORROSION RESISTANCE OF GALVANIZED STEEL STRIPS</b>
P22.	Gheorghe Gurău, Carmela Gurău, Petrică Alexandru, Mihaela Marin, Florin Marin <b>IMPROVING PROPERTIES OF A NEW IMPLANTABLE GUM METAL BY COLD ROLLING</b>
P23.	Carmela GURAU, Gheorghe GURAU, Petrică ALEXANDRU, Felicia ȚOLEA <b>SEVERE PLASTIC DEFORMATION OF PERMANENT MAGNETIC MATERIALS CoZr BASED ALLOYS</b>
P24.	Nelu CAZACU <b>USE OF TAGUCHI METHODS IN DESIGNING AN EXPERIMENTAL MODEL OF WIND TURBINE WITH AXIAL AXIS WITH CURVED SHEET BLADES</b>
P25.	Nelu CAZACU <b>USE OF TAGUCHI METHODS WHEN DESIGNING AN EXPERIMENTAL MODEL OF WIND TURBINE WITH VERTICAL AXIS OF (SAVONIUS TYPE) WITH SEMISPHERICAL CUPS</b>
P26.	Nelu CAZACU <b>THE INFLUENCE OF THE NUMBER OF LEVELS ON THE BEHAVIOR OF A VERTICAL AXIS WIND TURBINE WITH 2 PAIRS OF BLADES AND PERIODIC GAS TURBINE COUPLINGS</b>
P27.	Nelu CAZACU <b>EXPERIMENTAL MODEL OF WIND TURBINE WITH VERTICAL AXIS, MULTI-STOREY AND WITH 2 PAIRS OF BLADES ON LEVEL COUPLED AERODONAMIC</b>
P28.	Dorin EFTIMIE <b>3D MODELING AND NUMERICAL SIMULATION OF A WATER SOFTENER DEVICE</b>
P29.	Dorin EFTIMIE <b>3D MODELING OF A RECYCLING EQUIPMENT BY MAGNETIC SEPARATION OF USED SANDBLASTING SAND</b>
P30.	Dorin EFTIMIE <b>OPTIMIZING THE TAKING OF THE SAMPLES FROM THE CONTAMINATED SITES WITH THE AID OF THE DRONES</b>
P31.	Gabriel M. DARABAN, Carmen ZAHARIA, Ramona Elena TATARU – FARMUȘ, Marinela BADEANU, Daniela SUTEU <b>VEGETAL EXTRACTS - CHALLENGE FOR PLANT PROTECTION AND SOIL PROTECTION AND FOOD QUALITY ASSURANCE</b>
P32.	Mariana Carmen BURTEA, Luxița RÎȘNOVEANU, Anca ȘERBAN, Monica Esperance COJOCARU, Ana Maria COJOCARU <b>STUDY ON THE REMANENCE OF PESTICIDES IN THE SOIL TROPHIC SYSTEM: WATER – SOIL - PLANTS</b>
P33.	Viorel-Laurentiu CARTAS <b>A MATHEMATICAL-PHYSICS ANALYSIS OF THE PERCOLATION PHENOMENON IN THE FRAME OF THE ECOLOGY</b>
P34.	Adrian LEOPA, Anca SERBAN, Mariana Carmen BURTEA, Petru GOJAN <b>STUDY ON THE SLUDGE CAPITALIZATION AS A FERTILIZER FOR ORNAMENTAL GARDEN PLANTS</b>
P35.	Daniela TUFEANU, Adrian IOANA, Augustin SEMENESCU, Dragos MARCU, Diana Cristina LABEȘ <b>MANAGEMENT OF RESEARCH PROJECTS TO INCREASE THE QUALITY</b>
P36.	Marina BUNEA, Mihaela Claudia GOROVEI, Claudia Veronica UNGUREANU, Vasile BRIA <b>FIBER ORIENTATION AND FILLERS EFFECTS ON SPECIFIC HEAT OF FABRIC REINFORCED HYBRID EPOXY COMPOSITES</b>
P37.	Cristina DAMIAN, Ana LEAHU <b>SOME TROPICAL FRUIT BYPRODUCTS AS A SOURCE OF FOOD ADDITIVES</b>
P38.	Cristina DAMIAN <b>EVALUATION OF BIOACTIVE COMPOUNDS, CHEMICAL AND TECHNOLOGICAL PROPERTIES OF BLUEBERRY BYPRODUCTS POWDER</b>
P39.	Mihaela MARIN, Florin Bogdan MARIN <b>ENHANCING THE CORROSION RESISTANCE IN SOME IRON-BASED P/M MATERIALS BY APPLYING A HEAT TREATMENT</b>



P40.	Mihaela MARIN, Florin Bogdan MARIN <b>EFFECT OF THERMAL TREATMENTS ON DIMENSIONAL PRECISION AND MECHANICAL PROPERTIES IN SINTERED IRON-BASED P/M MATERIALS</b>
P41.	A. LEAHU, C. GHINEA, C. DAMIAN <b>INFLUENCE OF ELICITATION WITH BREWER'S SPENT YEAST ON ANTIOXIDANT ACTIVITY AND TOTAL POLYPHENOLS IN LENS CULINARIS SPROUTS</b>
P42.	Mihaela Claudia GOROVEI, Claudia UNGUREANU, Marina BUNEA, Vasile BRIA <b>THERMAL PROPERTIES OF AMINO ACIDS MODIFIED EPOXIES</b>
P43.	Petronela NECHITA <b>ELECTROCOAGULATION TECHNIQUE IN THE TREATMENT OF WASTE WATERS FROM PAPER RECYCLING</b>
P44.	Adrian VASILIU <b>SAFETY ENVIRONMENTAL ASSESSMENT IN THE BLAST FURNACE DEPARTMENT</b>
P45.	Adrian VASILIU <b>LOSS OF HEIGHT PRESSURE, BY GRANULAR LAYERS, ORGANIZED ORES AND COKE</b>
P46.	Mohammed ALQASIM FAYEQ, Ion CIUCA, Bogdan ȘTEFAN VASILE, Alaa ABOU HARB, Roxana TRUSCA <b>THE EFFECT OF DIFFERENT SURFACES ROUGHNESS OF Ti6Al4V ALLOY ON SILVER DOPED HYDROXYAPATITE COATING</b>
P47.	Ionel PETREA <b>DESIGN AND SIMULATION OF HEAT-REQUIRED STRUCTURES</b>
P48.	Ionel PETREA <b>STRUCTURAL ANALYSIS OF MECHANISMS</b>
P49.	Dragos Cristian ACHITEI, Madalina Simona BALTATU, Petrica VIZUREANU, Andrei Victor SANDU <b>THE STUDY OF NI-CR COMERCIAL ALLOYS USED LIKE BIOMATERIALS</b>
P50.	Florentina POTECAȘU, Petrică ALEXANDRU <b>RECYCLING OF BRONZE CHIPS BY POWDER METALLURGY</b>
P51.	Florentina POTECAȘU, Petrică ALEXANDRU <b>RESEARCH ON THE INFLUENCE OF MICROALLOYING ON THE TENACITY OF A THERMOMECHANICAL LAMINATED STEEL FOR WELDED PIPES</b>
P52.	Florentina POTECAȘU, Petrică ALEXANDRU <b>RESEARCHES ON THE CORROSION BEHAVIOR OF A THERMOMECHANICAL ROLLED STEEL FOR THE MANUFACTURE OF WELDED PIPES</b>
P53.	Manuela C. PERJU, Carmen NEJNERU, Catalin A. TUGUI, Dumitru D. BURDUHOS-NERGIS, Dan G. GALUSCA <b>MICROSTRUCTURAL ANALYSIS OF THREE LAYER DEPOSITIONS WITH Ni AND Ti ON STEEL USING THE EDS METHOD</b>
P54.	Diana P. BURDUHOS-NERGIȘ, Dumitru D. BURDUHOS-NERGIȘ, Elena MATCOVSCHI, Costica BEJINARIU <b>CHARACTERIZATION OF ZINC AND MANGANESE PHOSPHATE LAYERS DEPOSITED ON THE CARBON STEEL SURFACE</b>
P55.	Anca RAVOIU, Lidia BENEĂ, Alexandru CHIRIAC, Gabriel Bogdan CARP, Daniela BURUIANA <b>TOXICITY AND THE USE OF PESTICIDES IN ILLICIT INDOOR CANNABIS PLANTATIONS</b>
P56.	Georgiana GORCIU, Spiru PARASCHIV <b>STUDY ON INCREASING ENERGY EFFICIENCY IN RURAL AREAS</b>
P57.	Madalina HOGEA, Cosmin MAMIR, Liviu PRODAN, Stefan PINTILIE <b>ANALYSIS OF WATER QUALITY FROM A PROTECTED AREA IN THE DANUBE DELTA</b>
P58.	Catalin-Andrei TUGUI, Petrica VIZUREANU, Manuela Cristina PERJU, Diana Petronela BURDUHOS <b>MICROSTRUCTURAL ANALYSIS OF MATERIALS USED IN THE CONSTRUCTION OF HYDRAULIC TURBINES IN NATIONAL PROTECTED AREAS</b>
P59.	Dragos ALEXANDRESCU, Stefan VOICU, Alexandru-Stefan MANEA, Iulian ANTONIAC <b>SOLUTIONS TO PREVENT INFECTIONS IN THE CASE OF THE TITANIUM ALLOYS USED FOR OSSEOINTEGRATED EXTREMITY PROSTHESIS</b>



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P60.	Huțanu Constantin <b>NEW MEASUREMENT METHOD FOR VERY THIN SAMPLES WITH VERY HIGH ACCURACY CONTROL OF THE LEVEL OF THE EMISSIVE POWER IN MICROWAVE ABSORPTION (8.5 - 9.5 GHZ)</b>
P61.	Mihaela MARIN, Florin Bogdan MARIN, Carmela GURAU, Gheorghe GURAU <b>EXPERIMENTAL AND PREDICTION OF MICRO HARDNESS PROFILE IN SINTERED IRON-BASED MATERIALS BY USING ARTIFICIAL NEURAL NETWORK</b>
P62.	Florin Bogdan MARIN, Mihaela MARIN, Gheorghe GURAU, Carmela GURAU <b>MACHINE VISION SYSTEM FOR PLANT CLASSIFICATION USING SVM (SUPPORT VECTOR MACHINE) FOR INTELLIGENT SPRAY CONTROL SYSTEM</b>
P63.	Dragos MARCU, Adrian IOANA, Augustin SEMENESCU, Diana TUFEANU, Diana C. LABES, Roxana M. SOLEA <b>ANALYSIS OF THE EFFICIENCY OF THE PROJECTS WITH EUROPEAN FUNDING</b>