



INTERNATIONAL CONFERENCE

NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING

PROGRAM OF THE FOURTH INTERNATIONAL CONFERENCE “NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING” (TEME) 25-27 October 2017, GALAȚI, ROMANIA

25.10.2017 – WEDNESDAY	
14 ⁰⁰ -16 ⁰⁰	Registration Ground Floor, Building M, North Wing, Room AN 007, Str. Domneasca, no. 111
16 ⁰⁰ -18 ⁰⁰	Round table "Perspectives regarding building a career in the Research domain"
26.10.2017 – THURSDAY	
08 ⁰⁰ -09 ³⁰	Registration Hotel Galati, Top Floor, Str. Domneasca, no. 12
09 ³⁰ -10 ⁰⁰	Opening ceremony
Plenary lectures	
10 ³⁰ -11 ¹⁵	Prof. Dr. Eng. Adrian Dima, "Gheorghe Asachi" University of Iasi, Romania EXPERIMENTAL RESEARCH ON INCREASING THE DURABILITY OF CAST ATCSI 5 CU 1 ALLOYS FOR SEA SHIPS THROUGH HEAT TREATMENT
11 ¹⁵ -12 ⁰⁰	Prof. Dr. Eng. Ion Sandu, "Alexandru Ioan Cuza" University of Iasi, Romania AUTENTIFICATION OF AN ANCIENT VIOLIN USING DENDROCHRONOLOGY ASSISTED BY OTHER INSTRUMENTAL METHODS FOR DETERMINATION OF ARCHAEROMETRIC CHARACTERISTICS
12 ⁰⁰ -14 ⁰⁰	Lunch break, Hotel Galati, Ground Floor, Str. Domneasca, no. 12
Oral session	
Floor I, Building D (in front of the Cathedral), Str. Domneasca, no. 111	
14 ⁰⁰ -14 ¹⁵	Alina Maciucă, Raluca-Ioana Tampu, Oana-Irina Patriciu, Nicolae Catalin Tampu, Lucian Gavrilă, Adriana Finaru GREEN CORROSION INHIBITORS FOR ALUMINUM ALLOYS USED IN THE AEROSPACE INDUSTRY
14 ¹⁵ -14 ³⁰	Luca Mihail, Avram Mihaela, Marcoie Nicolae ANALYSIS OF THE FLOODS EFFECTS IN JUNE 2016 IN THE VORONET RIVER HYDROGRAPHIC BASIN
14 ³⁰ -14 ⁴⁰	Ștefania CHIRICA, Mihail LUCA STUDIES AND RESEARCH ON PIPE NETWORKS WATER LOSSES
14 ⁴⁰ -14 ⁵⁰	Cosmin-Tudor IURCOVSCHI, Viorica VASILACHE, Ion SANDU, Ovidiu TĂNASĂ, Marius PĂDURARU, Daniel POTOLINĂ, Ioan Cristinel NEGRU, Dumitru Eugen COLBU USE OF NANOMATERIALS IN PRESERVATION AND RESTORATION OF CULTURAL HERITAGE OBJECTS
14 ⁵⁰ -15 ⁰⁰	E. C. Dragna, A. Ioana, N. Constantin METHODS OF STEEL MANUFACTURING - THE ELECTRIC ARC FURNACE
15 ⁰⁰ -15 ¹⁰	Marius SOCOLA, Valentin Marian DUMITRASCU, Sorina PICIORUȘ, Lidia BENEĂ COMPARATIVE CORROSION EVALUATION OF GALVANIZED STEEL PASSIVATED WITH TRIVALENT AND HEXAVALENT CHROMIUM SOLUTIONS
15 ¹⁰ -15 ²⁰	Lidia Benea, Valentin Dumitrascu NANOSTRUCTURATION AND FUNCTIONALIZATION OF MATERIALS AND BIOMATERIALS BY ELECTROCHEMICAL METHODS - A PROMISING ROUTE
15 ²⁰ -15 ³⁰	Laurentiu MARDARE, Lidia BENEĂ DEGRADATION OF MARINE STRUCTURES BY CORROSION AND PREVENTION METHODS
15 ³⁰ -15 ⁴⁰	Nicoleta SIMIONESCU, Anca RĂVOIU, Lidia BENEĂ ELECTROCHEMICAL IN-VITRO PROPERTIES OF 316L STAINLESS STEEL FOR ORTHODONTIC APPLICATIONS



INTERNATIONAL CONFERENCE

NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING

15 ⁴⁰ -15 ⁵⁰	Valentin Marian Dumitrascu, Lidia Benea NANOSTRUCTURATION OF MATERIAL SURFACES BY TOP-DOWN ELECTROCHEMICAL TECHNIQUES
15 ⁵⁰ -16 ⁰⁵	Anca Răvoiu, Nicoleta Simionescu, Lidia Benea SINERGETIC EFFECT OF METABOLIC ALBUMINE AND HYDROGEN PEROXIDE ON ELECTROCHEMICAL BEHAVIOR OF TITANIUM IMPLANT ALLOY
16 ⁰⁵ -16 ²⁰	Florina Fabian, Valentin Nedeff, Narcis Bârsan, Emilian Mosneguțu ENERGY CONSUMPTION ASSESSMENT IN THE WATER TREATMENT PROCESS, BACĂU CITY CASE STUDY
16 ²⁰ -16 ³⁰	Laurențiu Tătaru, Valentin Nedeff, Narcis Bârsan, Mirela-Panainte Lehăduș, Dana-Alexandra Chițimuş THE IMPORTANCE OF USING MEMBRANES IN SEAWATER DESALINATION AS A RESULT OF EXCESSIVE EXPLOITATION OF WATER SOURCES
16 ³⁰ -16 ⁴⁰	Cochiorca Alina, Valentin Nedeff, Fiorucci Adriano, Mirela Panainte-Lehăduș, Narcis Bârsan, Irimia Oana HEAVY METALS AND PHYSICO-CHEMICAL PARAMETERS ANALYSIS FROM THE WELLS IN THE BUHOCI AREA, BACAU
16 ⁴⁰ -16 ⁵⁰	Laurenția Geanina Tiron, Ștefan Cătălin Pintilie, Ștefan Baltă, Maria Vlad RESEARCH ON MEMBRANES WITH DIFFERENT THICKNESSES AND CONCENTRATIONS OF POLYSULFONE WITH APPLICATION ON WASTEWATER TREATMENT
16 ⁵⁰ -17 ⁰⁰	Ștefan Cătălin Pintilie, Laurenția Geanina Tiron, Andreea Liliana Lazăr, Ștefan Baltă, Iulian Gabriel Bîrsan PERFORMANCE OF [PAC/Psf]-MIXED MATRIX MEMBRANE USED IN DYE WASTEWATER TREATMENT
17 ⁰⁰ -17 ¹⁵	Victorita Radulescu ANALYSIS OF THE COLLECTED WATER IN TREATMENT PLANTS FROM URBAN LOCALITIES IN SITUATION OF LARGE RAIN AMOUNT
17 ¹⁵ -17 ³⁰	Victorita Radulescu EFFECT OF NUTRIENTS DISCHARGED INTO THE HYDRO-POWER LAKES OVER THE DEVELOPMENT OF AQUATIC MACROPHYTES
17 ³⁰ -18 ⁰⁰	<i>Coffee break</i>
18 ⁰⁰ -19 ⁰⁰	POSTER PRESENTATION (See Annex 1 – Poster list)
20 ⁰⁰ -24 ⁰⁰	Gala Dinner <i>Hotel Galati, Top Floor, Str. Domneasca, no. 12</i>
27.10.2017 – FRIDAY	
08 ³⁰ -10 ⁰⁰	Round table. Conclusions and perspectives
10 ⁰⁰ -12 ⁰⁰	Trip on the Danube River



INTERNATIONAL CONFERENCE

NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING

POSTER SESSION

POSTER PRESENTATION	
<i>Floor I, Building D (in front of the Cathedral), Str. Domneasca, no. 111</i>	
P1.	Marius VASILESCU, Mircea DOBRESCU CHROMITE. PROCESSING AND APPLICATIONS
P2.	Mircea DOBRESCU, Marius VASILESCU HEMATITE. PROCESSING AND APPLICATIONS
P3.	Alaa ABOU HARB, Ion CIUCA, BILEL RAHALI, Roxana-Alexandra GHETĂ STUDY OF THE CORROSION WHICH OCCURS IN THE STEAM PIPES OF BOILERS
P4.	Gabriela CIOBANU, Maria HARJA REMOVAL OF SALICYLIC ACID FROM AQUEOUS SOLUTION BY ADSORPTION ONTO NANOHYDROXYAPATITE
P5.	Marius Zaharia, Olga Pintilie, Gabi Drochioiu, Aurel Pui, Robert Gradinaru, Lucia Carmen Trinca, Viorica Vasilache, Ion Sandu DECONTAMINATION OF NITROPHENOLIC POLLUTANTS AND METABOLIC INHIBITORS BY YEAST SACHAROMYCES CEREVISIAE
P6.	Zosin Sergiu PETRI, Mihail Simion BELDEAN-GALEA, Dumitru RISTOIU POLY VINYL CHLORIDE WASTES RECYCLING TECHNOLOGIES. A REVIEW
P7.	BILEL RAHALI, CORNELIU NEAGU, ALAA ABOU HARB OBJECT ORIENTED ARCHITECTURE FOR PRODUCT INFORMATION SYSTEM ENGINEERING
P8.	Vasiliu Adrian DETERMINATION OF THE OPTIMAL FREE SPACE FOR THE 180 T LIQUID STEEL CONTAINER, BASED ON THE THERMAL BALANCE
P9.	Vasiliu Adrian OXYGEN-ENRICHMENT OF THE AIR NEEDED FOR COMBUSTION IN THE IGNITION OVEN FROM THE AGLOMERATION PROCESS
P10.	BILEL RAHALI, CORNELIU NEAGU, ALAA ABOU HARB A "PATTERN" APPROACH FOR THE SPECIFICATION AND DEVELOPMENT OF INFORMATION SYSTEMS
P11.	Stela CONSTANTINESCU EXAMINING THE EVOLUTION OF MICROSTRUCTURE AND ITS EFFECT ON THE MECHANICAL AND TRIBOLOGICAL PROPERTIES
P12.	Stela CONSTANTINESCU RESEARCHES ON TREATMENT STATION AND THE SEWAGE NETWORK IN THE VILLAGE GHIDIGENI, GALAȚI
P13.	Laurentiu Picu, Eugen Victor Cristian Rusu STUDIES OF VIBRATIONS INDUCED AND THEIR EFFECT ON THE RIVER SHIP CREW FATIGUE
P14.	Gavril SOSOI, Catalina GRADINARU, Gabriel BEJAN, Andrei BURLACU, Adrian A. SERBANOIU, Marinela BARBUTA TENSILE PROPERTIES OF POLYMER CONCRETE WITH WASTES
P15.	Marius PĂDURARU, Ion SANDU, Ovidiu TĂNASĂ, Daniel POTOLINĂ, Ioan Cristinel NEGRU, Cosmin Tudor IURCOVSCHI INVESTIGATION OF ILLICIT TRAFFICKING IN CULTURAL GOODS AT THE BORDER CROSSINGS FROM ROMANIA
P16.	Ovidiu TĂNASĂ, Ion SANDU, Cosmin Tudor IURCOVSCHI, Marius PĂDURARU, Daniel POTOLINĂ, Ioan Cristinel NEGRU IMPRIMAREA DE SECURITATE UTILIZÂND CERNELURI CU NANOPARTICULE CA APLICAȚIE ANTI-CONTRAFACERE
P17.	Carmen Duma, Viorel Dragan, Vasile Basliu ENVIRONMENTAL MONITORING FROM AN SPACE CORRESPONDING TO A HIGHER EDUCATION INSTITUTION
P18.	Alaa ABOU HARB, Ion CIUCA, BILEL RAHALI ELECTROCHEMICAL CORROSION BEHAVIOR OF AISI 304 AND 316L AUSTENITIC STAINLESS STEEL SHEETS WHICH WELDED BY TIG



INTERNATIONAL CONFERENCE

NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING

P19.	Carmen Penelopi PAPADATU, Marian BORDEI RESEARCHES ON WATER QUALITY AND HEAVY METALS DETERMINATION FROM DANUBE RIVER NEAR GALATI
P20.	Elena Loredana NEACSU, Anamaria. N. COJOCARU THERMAL ANALYSIS OF INOCULATED GREY CAST IRONS
P21.	Beatrice TUDOR ANALYSIS AND RECOVERY OF SLUDGE FROM THE WASTEWATER TREATMENT PLANT FROM GALAȚI, FOR THE USE OF IN AGRICULTURE
P22.	Beatrice TUDOR, Anisoara CIOCAN STUDY ON THE CHEMICAL POLLUTION OF THE SOIL, FROM AREAL, OF RESIDUAL BAUXITE LAKE, FROM "MINERI"-TULCEA
P23.	Carmela Gurau, Gheorghe Gurau BIOCORROSION BEHAVIOR OF A DENTAL SHAPE MEMORY ALLOY
P24.	Muscalu Ioana Monica STUDY OF EROSION SOILS AND LANDSLIDS IN THE LAKE IZVORUL MUNTELUI
P25.	Maria Harja, Gabriela Ciobanu, Olga Kotova COMPARATIVE STUDY REGARDING RETENTION OF ZINC IONS BY DIFFERENT ION EXCHANGE RESINS
P26.	Neta PUȘCAȘ (POPESCU) THE QUALITY OF METAL PRODUCTS MADE ON CNC MACHINES
P27.	Radu Tamara Ni-P COATING ON STEEL SUPPORT BY ELECTROLESS METHOD
P28.	Radu Tamara DOSE-RESPONSE ANALYSIS APPLIED IN ENVIRONMENTAL RISK ASSESSMENT
P29.	Radu Tamara MANAGEMENT OF THE ENVIRONMENTAL RISKS IDENTIFIED IN AN ORGANIZATION
P30.	Gelu COMAN, Krisztina UZUNEANU, Simona PARASCHIV THE INFLUENCE OF MOISTURE ON THERMAL CONDUCTIVITY FOR BUILDING MATERIALS
P31.	Antonina Temea, Valentin Nedeff, Mirela Panainte-Lehăduș, Narcis Bârsan, Claudia Tomozei STUDY ABOUT THE PERCEPTION OF PRODUCERS FROM ROMANIA REGARDING THE ECOLABEL
P32.	Iulia Graur, Vasile Bria, Adrian Cîrciumaru, Maria Pascal, Cristian Munteniță STUDY ON TRIBOLOGICAL PROPERTIES OF EPOXY MATRIX COMPOSITES MODIFIED WITH DIFFERENT MIXTURE OF GLUCOSE, GELATINE AND GLUTEN
P33.	Cristian Munteniță, Cristina Munteanu, Adrian Cîrciumaru, Vasile Bria, Iulia Graur MECHANICAL PROPERTIES OF EPOXY MATRIX COMPOSITES MODIFIED WITH DIFFERENT MIXTURE OF ORGANIC AGENTS
P34.	Mariana LUPCHIAN FUEL CONSUMPTION STUDY FOR AUXILIARY ENGINES THAT EQUIP AN OIL TANKER
P35.	Carmen Duma, Viorel Mircea Drăgan, Vasile Bașliu ENVIRONMENTAL MONITORING FROM AN SPACE CORRESPONDING TO A HIGHER EDUCATION INSTITUTION
P36.	Ana Maria ARCUȘ, Mircea Viorel DRĂGAN, Vasile BAȘLIU, Laurenția Geanina Tiron EVALUATION OF THE ENVIRONMENTAL IMPACT OF THE ACTIVITIES CARRIED OUT IN THE AREA OF MURIGHIOL CHANNEL TULCEA COUNTY
P37.	Nelu CAZACU INFLUENCE OF RATIO OF OVERLAPPING BLADES ON THE OPERATION OF VERTICAL AXIS WIND TURBINES WITH HEMISPHERICAL CUPS
P38.	Nelu CAZACU INFLUENCE OF GRANULAR SOLID MATERIAL CHARACTERISTICS AND FLUIDIZATION PROPERTIES ON THE GAS-DYNAMICS OF ADJACENT FLUIDIZED BEDS
P39.	Nelu CAZACU, Nicușor NISTOR CONTROL OF THE FLUIDIZED BED SYSTEM BY THE INTENSITY OF MICROWAYS REFLECTED ON THE SUPERIOR SURFACE



INTERNATIONAL CONFERENCE

NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING

P40.	Nelu CAZACU, Nicușor NISTOR CONTROL OF FLUIDIZED BED EXPANDING BY RADIO FREQUENCY DOPLER EFFECT
P41.	Nelu Cazacu, Vasile Bașliu CORRELATION OF THE FLUIDIZATION VELOCITY WITH THE FLUID-SPECIFIC FREQUENCY SPECTRUM
P42.	Nelu CAZACU, Vasile BAȘLIU FLUIDIZED BED CARBURIZING OF STEEL WITH METHANE IN EXCESS AND LOCAL HEATING OF THE SURFACE OF PARTS BY INDUCTION
P43.	Mihaela Roșca, Raluca Maria Hlihor, Petronela Cozma, Diana Elena Comăniță, Maria Gavrilescu SYNERGISTIC INTERACTIONS AMONG PLANTS AND BACTERIA IN THE BIOREMEDIATION OF HEAVY METALS CONTAMINATED SOILS
P44.	Emanuel Iacob, Mariana-Florentina Stefanescu, Alexandru Dobrovicescu ANALYSIS OF THE PERFORMANCE COEFFICIENT OF THE ENERGETICAL RECOVERY OF THE DOMESTIC WASTE
P45.	Cristina Ghinea, Diana Elena Comanita, Laura Carmen Apostol, Petronela Cozma, Maria Gavrilescu SUSTAINABILITY ANALYSIS OF BIOREMEDIATION AND PHYTOREMEDIATION OF PERSISTENT INORGANIC AND ORGANIC COMPOUNDS IN THE ENVIRONMENT
P46.	Elena-Diana Comăniță, Isabela Maria Simion, Cristina Ghinea, Petronela Cozma, Camelia Smaranda, Mihaela Roșca, Raluca Maria Hlihor, Maria Gavrilescu EVALUATION OF BIOREMEDIATION PERFORMANCE FOR THE REMOVAL OF HEAVY METALS FROM SOILS
P47.	Anișoara Ciocan, Beatrice Tudor PHYSICAL RECYCLING SOLUTIONS FOR NON-METALLIC MATERIALS FROM MOBILE PHONE WASTE
P48.	Anișoara Ciocan ANALYZE OF FACTORS WITH CONSIDERABLE ACTION ON RECYCLING WEEE FOCUSED ON METALS RECOVERY
P49.	Anișoara Ciocan ANALYSIS TOOLS FOR SUSTAINABLE MANAGEMENT OF CELL PHONE WASTE IN ORDER TO METALS RECOVERY
P50.	Anișoara Ciocan, Beatrice Tudor RECYCLING OF HEMATITE FINE WASTE BY PELLETISATION
P51.	Spiru Paraschiv, Lizica Simona Paraschiv EFFICIENCY ANALYSIS OF AN ELECTROSTATIC PRECIPITATOR
P52.	Anghelache Diana, Leopa Adrian ASSESSMENT OF ACOUSTIC PARAMETERS DURING OPERATION OF AN INSTALLATION INTENDED FOR OBTAINING OF VEGETAL BIO-STIMULANTS FROM AFTER-CROPPING AGRICULTURAL WASTE AND HERBAL MEDICINAL PRODUCTS
P53.	Leopa Adrian, Anghelache Diana ASSESSMENT OF CONCENTRATION OF SUSPENDED PARTICLES DURING OPERATION OF AN INSTALLATION INTENDED FOR OBTAINING OF VEGETAL BIO-STIMULANTS FROM AFTER-CROPPING AGRICULTURAL WASTE AND HERBAL MEDICINAL PRODUCTS
P54.	Adelina Ion, Steluta Gosav, Mirela Praisler MOLECULAR STRUCTURE OPTIMISATION OF NEW HALLUCINOGENIC AMPHETAMINES
P55.	Adelina Ion, Steluta Gosav, Mirela Praisler PHYSICO-CHEMICAL CHARACTERISATION OF NEW HALLUCINOGENIC AMPHETAMINES BASED ON MOLECULAR DESCRIPTORS
P56.	Elisabeta Vasilescu, Vlad Gabriel Vasilescu CHARACTERIZATION OF POROUS PERMEABLE PRODUCTS OBTAINED FROM METALLIC POWDERS WITH PROPERTIES CONTROLLED BY THE CONDITIONS OF OBTAINING



P57.	Elisabeta Vasilescu STUDIES AND RESEARCH ON OPTIMIZATION OF THE THERMAL / THERMOMECHANIC TREATMENT TECHNOLOGY APPLIED TO MICROALLOYED STEEL PRODUCTS
P58.	Adrian ERCUȚ, Mariana BUȘILĂ EFFECT OF THE CHEMICAL COMPOSITION ON THE STRUCTURE, MORPHOLOGY AND MECHANICAL PROPERTIES FOR NAVAL STEEL PLATES
P59.	Aurel COȘERU, Mariana BUȘILĂ INFLUENCE OF THE HEAT TREATMENT PARAMETERS ON THE MORPHOLOGY AND MECHANICAL PROPERTIES FOR HSLA STEELS
P60.	Marian Bordei, Carmen Penelopi Papadatu THE INFLUENCE OF THE TEMPERATURE REGIME ON THE MECHANICAL PROPERTIES OF THE THICK STEEL SHEETS FROM THE CARBON AND LOW-ALLOY STEELS, LAMINATED TO THICKNESSES MORE THAN 40 MM
P61.	Manuela-Cristina PERJU, Cristian SAVIN, Costică BEJINARIU, Carmen NEJNERU, Dragoș-Cristian ACHIȚEI THE INFLUENCE OF WASTE WATER COMPOSITION ON THE PUMPING SYSTEM CORROSION
P62.	Achiței Dragoș Cristian, Vizureanu Petrică, Minciună Mirabela Georgiana, Sandu Andrei Victor, Mohd Mustafa Al Bakri Abdullah THE ANALYSIS OF METALLIC BIOMATERIALS AND PROSTHETIC COMPONENTS
P63.	Achiței Dragoș Cristian, Cimpoeșu Ramona, Perju Manuela Cristina, Cimpoeșu Nicanor, Țugui Cătălin Andrei STUDIES REGARDING THE PROPERTIES MODIFICATION OF AISI 310S STEEL
P64.	Potecasu Florentina, Bordei Marian STRUCTURAL ANALYSIS OF FRAGMENTS OF THE BROKEN COAT OF A CYLINDER WHICH LED TO THE DISMANTLING OF A COMBUSTION ENGINE
P65.	Bordei Marian, Potecasu Florentina DESTRUCTION OF THE INSIDE PART OF A COAT OF A HARD CHROME CYLINDER USED FOR COMBUSTION ENGINES
P66.	Maria BOUTULICA (HAULICA), Petru Ovidiu TANASA, Marius PADURARU, Daniel POTOLINCA, Viorica VASILACHE, Ion SANDU THE EVOLUTION OF CONSERVATION OF OLD DOCUMENTS FROM ARCHIVES. CASE-STUDIES
P67.	Oana FLORESCU, Maria BOUTULICA (HAULICA), Viorica VASILACHE, Ion SANDU A CASE-STUDY REGARDING THE EVOLUTION OF CONSERVATION STATE OF SOME ARTEFACTS MADE OF ORGANIC MATTER FROM THE PONI-CERNATESCU MUSEUM
P68.	Amir GHAVIDELESFAHLAN, Viorica VASILACHE, Andrei Victor SANDU, Ion SANDU THE ARCHAEOOMETRIC AND CHEMOMETRIC CHARACTERISTICS ACQUIRED OVER TIME OF WOOD ARTIFACTS BY CHANGING THE NORMAL RANGE VARIATION OF HYGROSCOPIC BALANCE
P69.	Nidal Al-SHARAIRI, Viorica VASILACHE, Maria BOUTULICA, Kamel EARAR, Ion SANDU DETERIORATION AND DEGRADATION OF ANCIENT TEXTILES UNDER THE INFLUENCE OF ENVIRONMENTAL AND ANTHROPOGENIC FACTORS
P70.	Gabriel-Bogdan CARP, Narcisa Cela PÎNZARIU, Serghei PALAȘ, Mihai GINGĂRAȘU, Daniela Laura BURUIANĂ CONTRIBUTIONS TO INCREASING THE QUALITY OF URBAN LIFE THROUGH THE USE OF AN INTELLIGENT ROAD TRAFFIC MANAGEMENT SYSTEM
P71.	Potecasu Octavian, Marin Mihaela SINTERING STUDY OF THE CHIPS RESULTING FROM THE MECHANICAL PROCESSING OF BRONZE
P72.	Krisztina Uzuneanu COGENERATION POWER PLANTS USING BIOMASS FOR SUSTAINABLE DEVELOPMENT AND REDUCING POLLUTION
P73.	Petrică Alexandru, Simona Boiciuc CALCULATION OF THE DEPOSITED LAYER THICKNESS THROUGH SIDE INJECTION OF POWDER USING CO₂ LASER



INTERNATIONAL CONFERENCE

NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING

P74.	Herbei Elena Emanuela - NANOMATERIALS FOR WASTE WATER TREATMENT
P75.	Mihaela Marin, Octavian Potecaşu, Florin Bogdan Marin ENHANCING THE CORROSION RESISTANCE IN SOME IRON-BASED P/M MATERIALS BY APPLYING A HEAT TREATMENT
P76.	Simion - Ioan Balint COPPER RECOVERY FROM USED ELECTRIC MOTORS
P77.	Lucica Balint ORGANIC WASTE TREATMENT BY ANAEROBIC DIGESTION - CASE STUDY
P78.	Lucica Balint PURIFICATION OF WASTEWATER WITH ACTIVE SLUDGE COMPARED TO BIOFILTRATION IN THE ULTRASOUND FIELD
P79.	Lucica Balint DECREASING THE CONCENTRATION OF NITRITES AND NITRATES IN WASTEWATER
P80.	Lucica Balint RECYCLING OF TEXTILE WASTE
P81.	Lucica Balint RECYCLING PAPER WASTE
P82.	Lucica Balint IRON RECOVERY FROM USED CARS
P83.	Lucica Balint DOMESTIC WATER TREATMENT - CASE STUDY
P84.	Simion - Ioan Balint WATER POLLUTION SURVEYS AND ENVIRONMENTAL RISK - CASE STUDY
P85.	Simion - Ioan Balint STUDIES ON ENVIRONMENTAL PROBLEMS IN PAPER PRODUCTION
P86.	Simion - Ioan Balint DECONTAMINATION OF SOILS POLLUTED WITH OIL WITH SURFACTANT
P87.	Simion - Ioan Balint RESEARCH OF NOISE POLLUTION IN URBAN AREAS
P88.	Lucica Balint BIOMASS AS A RENEWABLE RESOURCE
P89.	Lucica Balint THE WATER QUALITY IN THE PRUT RIVER BASIN
P90.	Lucica Balint RECYCLING METAL AND PLASTIC - CASE STUDY
P91.	Mihaela Timofti, Cătălina Iticescu, Lucian Georgescu, Gabriel Murariu, Cătălina Țopa, Dumitru Dima STUDIES REGARDING THE SEWAGE SLUDGE PROPERTIES FOR USE IT IN SAFE WAYS IN ORDER TO AVOID THE POLLUTION OF ENVIRONMENT
P92.	Liliana ANDONE, Andrada Gabriela ALEXANDRU, Marius BODOR RESEARCHES REGARDING THE UTILIZATION OF LIDONIT AS PARTIAL REPLACEMENT OF THE AGGREGATE IN CONSTRUCTION MATERIALS
P93.	Silviu ARON, Daniela Laura BURUIANĂ, Marius BODOR RESEARCHES REGARDING THE EVOLUTION OF AMBIENT RADIATION VALUE IN A CITY, COMPARED WITH ITS SURROUNDINGS
P94.	Ionel PETREA, Laurentiu MARDARE THE INTEGRATION OF COMPUTER AIDED DESIGN WITH ENTREPRISE RESOURCES PLANING SYSTEMS
P95.	Mihaela Marin, Octavian Potecaşu, Florin Bogdan Marin SURFACE TREATMENT, MICROSTRUCTURE AND MECHANICAL PROPERTIES OF SOME POWDER METALLURGY ALLOYS