

Scientific Program



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- PhD. Cuerda, E. (Extremadura University, Spain)
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- PhD. Mastral, A. (Institute of Carbochemistry, CSIC, Spain)
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- PhD. Rodrigues, L. (C3i/IPP, Portugal)
- PhD. Román, S. (Extremadura University, Spain)
- PhD. Vieira Ferreira, L. F. (Lisbon Technical University, Portugal)

Congress venue

The International Conference on Green Chemistry and Sustainable Engineering will be held at Ramon Margalef Building, located on the Biology Faculty of the University of Barcelona, located on Avenida Diagonal, 643 in Barcelona.

The best way to get to congress venue, is using the green line of the Barcelona Subway and stop on Palau Reial.



SCIENTIFIC PROGRAM

Tuesday, 29th July 2014

<u>Schedule</u>	Room 18	Room 33
9h	Documentation delivery	-
9h30	Opening session	-
10h	<u>Plenary talk</u> Development and demonstration of sustainable nano technology for water treatment , Paul Chen, National University of Singapore, Singapore	-
10h30	ORAL COMMUNICATIONS (ENGLISH) Greener Chemical Processes via Regioselective Catalytic Aromatic Substitution Reactions , Gamal A. El-Hiti, King Saud University, Saudi Arabia	ORAL COMMUNICATIONS (ENGLISH) Influence of the carbon support on the catalytic activity of Ru catalysts used for glycerol steam reforming , Esteban Gallegos Suárez, CSIC, Spain
10h50	Elucidation of gas and char formation from softwood lignin and lignin-derived model compounds in	Removal of Protein-Bound Uraemic Toxins from Human Plasma by Renewable Vegetable Waste-derived

	supercritical water , Tau Len-Kelly Yong, Hiroshima University, Japan	Carbon Adsorbents , Jakpar Jandosov, Institute of Combustion Problems, Kazakhstan
11h10	Synthesis and Characterization of Surface Modified CdSe Nanocrystals for BHJ Solar Cells , Frej Mighri, Laval University, Canada	Enzymatic pre-treatment: a promising procedure to enhance <i>Chlorella vulgaris</i> biomethane production , Ahmed Abdelmohsen Mahdy Mohamed, IMDEA Energy, Spain
11h30	Coffee-break POSTERS SESSION	Coffee-break POSTERS SESSION
12h	ORAL COMMUNICATIONS (ENGLISH) Processing of plant oils and microalgae lipids to biodiesel and hydrocarbon fuels using heterogeneous catalysts , Roman G. Kukushkin, Boreskov Institute of Catalysis, Russia	ORAL COMMUNICATIONS (ENGLISH) Sustainability development in detergent industry , Anna Oborska, Polish Association of Cosmetics and Home Care Products Producers, Poland
12h20	Catalytic hydrogenation of levulinic acid to γ-Valerolactone in a continuous packed bed reactor , Anna Piskun, University of Groningen, The	The hydrotreatment of triglyceride fatty acids of rapeseed oil as a way to get the components of biofuels , Svetlana A. Selishcheva, Boreskov Institute of Catalysis,

	Netherlands	Russia
12h40	Fluorine-substituted tetraphenylporphyrins photocatalytic activity in the oxidation process of organic substrates in supercritical carbon dioxide , Peter S Timashev, Institute of Laser and Information Technologies Russian Academy of Sciences, Russia	Improving Green Production And Green Consumption Styles Via Green Engineering Curricula , Azra Jaganjac, International University Travnik, Travnik/Bosnia and Herzegovina,
13h	Baeyer-Villiger oxidation of aromatic aldehydes catalysed by zirconium phosphates intercalated with ionic liquids , Graça Maria da Silva Rodrigues de Oliveira Rocha, , University of Aveiro, Portugal	Tobacco: An Active Phytoremediation Agent Due to Green Chemistry , Ruken Esra Demirdogen, Cankiri Karatekin University, Turkey
13h20	Pyrolysis Kinetic and Product Analysis of Different Microalgal Biomass , Xuewei Yang, Peking University, China	Green Analytical Methodolgy for Synthesis of Sorbent Materials for Eco-Friendly Energy , Gozde Ultav, Cankiri Karatekin University, Turkey
13h40	Rhodium nanoparticles supported on hydroxyapatite as catalyst in hydrogen generation from the methanolysis of ammonia-borane , Derya Özhava, Middle East Technical University,	Synthesis and characterization of mesoporous highly photocatalytically active pure zinc oxide crystals by chemical precipitation method from china clay/fuller's Earth ,

	Turkey	Shahid Hussain Ansari, National University of Sciences and Technology (NUST) , Pakistan
14h00	A homogeneous system for photogeneration of hydrogen using bodipy derivatives as photoinduced electron donors, Ilke Simsek Turan, Bilkent University, Turkey	Applications of low toxicity Bronsted acidic Ionic liquids, Andrew Jordan, Dublin City University, Ireland
14h20	END OF SESSIONS.	END OF SESSIONS.

Wednesday, 30th July 2014

Schedule	Room 18	Room 33
9h	<u>Plenary conference</u> Catalytic cracking of lignocellulosic biomass to fossil fuel additives, K. Seshan, University of Twente, The Netherlands	=
9h30	ORAL COMMUNICATIONS (ENGLISH) The simple direct N1-monosubstitution on piperazine in accordance with principles of sustainability in chemistry, Dana Nemeckova, Masaryk University, Czech Republic	ORAL COMMUNICATIONS (ENGLISH) Heterogeneous catalyzed biodiesel production over mineral MgO, Antigoni Margellou, University of Ioannina, Greece
9h50	Dynamic Analysis and Linear Modelling of pH Behaviour for Clean Energy Production: Biohydrogen, Zeynep Yilmazer Hitit, Ankara University, Turkey	Effects of atrazine, isoproturon, and diuron on glutathione metabolism of Saccharomyces cerevisiae, Rui Ferreira, University of Évora, Portugal
10h10	pH-triggered reversible aqueous biphasic systems with ionic liquids, Mara G. Freire, University of Aveiro, Portugal	Ionic-liquid-based aqueous biphasic systems for the removal of quinolones from aqueous streams, Hugo F. Almeida, Lisbon Nova University, Portugal

10h30	Biosourced carbon-based porous materials: Applications in bio-electrocatalysis , Nicolas Brun, Charles Gerhardt Institute, France	Recovery of caffeine from spent coffee using aqueous ionic liquid Solutions , Ana Filipa Cláudio, University of Aveiro, Portugal
10h50	Residual Forestry Biomass in Algarve: potential use as solid biofuels , Maria Margarida Gonçalves, Lisbon Nova University, Portugal	Recovery, purification and reuse of contaminated sodium chloride obtained from tanneries for raw goat skin preservation , Vedaraman Nagarajan, CSIR-Central Leather Research Institute Adyar, India
11h10	Biohydrogen production and value-addition of spent medium: a sustainable method for biodiesel industry waste Management , Saurabh Jyoti Sarma, National Institute of Scientific Research, Canada	Cobalt(III)-catalyzed Oxidation of Organic Compounds , Birinchi Kumar Das, Gauhati University, India
11h30	Coffee-break POSTERS SESSION	Coffee-break POSTERS SESSION
12h	ORAL COMMUNICATIONS (ENGLISH) Impacts of terrestrial green water flows: case study of Eucalyptus globulus forest in	ORAL COMMUNICATIONS (ENGLISH) The cascade transformation of cellulose to lactic acid in the presence of Nb based

	Portugal , Luis Arroja, University of Aveiro, Portugal	catalysts , Simona M. Coman, University of Bucharest, Romania
12h20	Pt-containing catalysts for ethanol and rapeseed oil conversion towards hydrocarbons , Andrey Chistyakov, A.V.Topchiev Institute of Petrochemical Synthesis, Russia	The synthesis and decomposition of dimethyl carbonate (DMC) on different carbon supported Cu catalysts , Gabriela Merza, University of Szeged, Hungary
12h40	Pd-Zn containing catalysts for hydrocarbons production via alcohols and vegetable oil conversion , Mikhail Gubanov, A.V.Topchiev Institute of Petrochemical Synthesis, Russia	Testing Sulphate Reducing Bacteria for the bioremediation of metal-contaminated wastewaters with relatively low sulphate concentrations , Maria Clara Semedo da Silva Costa, University of Algarve, Portugal
13h	Cross-coupling of biooxygenate over heterogeneous catalysts , Polina Zharova, A.V.Topchiev Institute of Petrochemical Synthesis, Russia	Catalytic and Non-catalytic Conversion of Triglycerides for Biofuels Production: Characteristic and Kinetic Investigation , Malik Musthofa, School of Chemical Engineering and Advanced Materials, United Kingdom Musthofa
13h20	Ru Based Molecular Catalysts for Artificial Photosynthesis , Xavier Sala, Autonomous	A wholistic approach of the hydrothermal carbonisation of lignocellulosic biomass:

	University of Barcelona, Spain	Example of beech wood , Marie Guillot, Chimie Séparative de Marcoule Institute, France
13h40	Liquid-Liquid Separation of Ethylbenzene and n-Octane using Ionic Liquids Analogous Solvents , Mohamed Kamel Omar Hadj-Kali, King Saud University, Saudi Arabia	Sustainable exploitation of renewable glycerol – chemo- enzymatic synthesis of polyglycerol , Madalina- Valentina Sandulescu- Tudorache, University of Bucharest, Romania
14h00	END OF SESSIONS	END OF SESSIONS

Thursday, 31st July 2014

Schedule	Room 18	Room 33
9h	ORAL COMMUNICATIONS (ENGLISH) Global strategy for chemicals uses in oil production, Amel Boukadi, Entreprise Tunisienne d'Activités Pétrolières, Tunisia	ORAL COMMUNICATIONS (ENGLISH) Designer Ionic Liquids for Biomass Valorization, Sviatlana Siankevich, Institute of Chemical Science and Engineering, Switzerland
9h20	Joint production of biodiesel and biogas using spent biomass from microalgae, Alvaro Mendonza, University King Juan Carlos, Spain	Heat-shock and titanium dioxide nanoparticles decrease SOD and glutathione enzymes activities in Saccharomyces cerevisiae, Joana Pires, University of Évora, Portugal
9h40	Imidazolium-based tetraiodoindate(III) Catalyst System for Generating Disubstituted Urea from Cascade Reaction of CO₂, Amine, and Epoxide: Mechanistic Investigation, Yong Jin Kim, Korea Institute of Industrial Technology, Republic of Korea	Green Chemistry: An Enabler for Using Thorium as Green Energy Fuel, Merve Ekiz, Cankiri Karatekin University, Turkey

10h00	Dye extraction from natural materials and their dyeing properties on different substrates , Sandhya Kuruvala Vijayan, Central Leather Research Institute, India	Cyclisation of hydrazide amino acid derivate , Yamina Chergui, Abdelhamid Ibn Badis University, Algeria
10h20	Catalytic and Non-catalytic Conversion of Triglycerides for Biofuels Production: Characteristic and Kinetic Investigation , Malik Musthofa, Newcastle University, United Kingdom	Green Chemistry For Development Of Green Sorbents Synthesis Method , Gözde Ultav, Cankiri Karatekin University, Turkey
10h40	Meeting The New Challenges Through Creating Green Jobs, Green Production And Green Consumption Styles , Merve Ekiz, Cankiri Karatekin University, Turkey	Conversion of petroleum residues and pollutants under microwave irradiation , Grigory Konstantinov, A.V. Topchiev Institute of Petrochemical Synthesis, Russia
11h00	Optimization of a Submerged Membrane Reactor for Biohydrogen Production , Zaineb Trad, University Blaise Pascal, France	Importance of Green Curricula in Achieving Sustainability: Case Study from Forestry Engineering , Ruken Esra Demirdogen, Cankiri Karatekin University, Turkey

11h20	Coffee-break POSTERS SESSION	
11h50	ORAL COMMUNICATIONS (ENGLISH)	
12h10	Properties of Alkali Activated Fly Ash Materials: A Novel and Green Construction Material , Hossein Rostami, Philadelphia University, USA	
12h30	Small Scale Distillation Systems for Household Use in Saudi Arabia , Salim Mokraoui, King Saud University, Saudi Arabia	
12h50	Greener and regioselective lithiation of substituted pyridines , Mohammed B. Alshammari, Salman bin Abdulaziz University, Saudi Arabia	
13h10	A Vitamin B1 Catalyzed Acetoin Reaction: The Key Step for the Bioethanol Upgrading to Bulk C4 Chemicals , Ting Lu, Institute of	

	Bioengineering and Nanotechnology, Singapore	
13h30	A Useful Method for the Purification of Biomass-Derived 5-Hydroxymethylfurfural and Its Catalytic Reaction to 2,5-Furandicarboxylic Acid, Guangshun Yi, Institute of Bioengineering and Nanotechnology, Singapore	
13h50	The Path to Carbon Footprint: More than a matter of environment. Economic, environmental and corporate branding benefits, Diego Carmona, Extremadura University, Spain (Oral Communications in Spanish)	
14h10	CLOSING SESSION	

POSTER PRESENTATIONS

Tuesday, 29th July 2014

GREEN CHEMISTRY AND ITS IMPORTANCE IN PHARMACY STUDIES, Z.S.Bentounsi, Faculty of Medicine Oran, Algeria

BACK EXTRACTION OF PHENOLIC ACIDS USING BASED- IONIC LIQUID AQUEOUS BIPHASIC SYSTEMS, Ana Filipa Cláudio, University of Aveiro, Portugal

SOME ASPECTS OF "HOME" COMPOSTING IN POINT OF VIEW OF SUSTAINABLE DEVELOPMENT, Metodi K. Mladenov, University of Chemical Technology and Metallurgy, Bulgaria

NEW FAMILY OF TRANS-FATTY ETHYL ESTERS FROM OILY WASTES, Ignacio Martín Arjol, Ignacio Martín Arjol, Universitat de Barcelona, Spain

TRANS-ESTOLIDES, POLYESTERS, FROM OILY WASTES, Ignacio Martín Arjol, Universitat de Barcelona, Spain

ADSORPTION BIOPOLYMER FROM TANNIN EXTRACTS FOR WATER POLLUTANT RENOVAL, Jesús Beltrán de Heredia, University of Extremadura, Spain

ADSORPTION OF CATIONIC SURFACTANTS BY MODIFIED CELLULOSIC RESIDUES, Jesús Beltrán de Heredia, University of Extremadura, Spain

SELECTIVE TRANSFORMATION OF BIOETHANOL INTO ACETALDEHYDE OVER HIGHLY EFFICIENT METALLIC NANOPARTICLES (PT, RU) SUPPORTED ON BASIC KL ZEOLITE, María Almohalla Hernández, UNED, Spain

IMPORTANCE OF BASIC SITES ON ZNO SURFACES FOR BIOETHANOL VALORIZATION, María Virtudes Morales Vargas, UNED, Spain

UTILIZATION OF SPENT BIOMASS FROM MICROALGAE BIODIESEL IN AQUACULTURE, Victoria Morales, University King Juan Carlos, Spain

SYNTHESIS OF N-VINYLMIDAZOLE/QUATERNIZED 2-DIMETHYLAMINOETHYL METACRYLATE COPOLYMERIC HYDROGELS, CHARACTERIZATION STUDIES AND ADSORPTION APPLICATIONS, Ozlem Dikisler, Anadolu University, Turkey

REMOVAL OF PROTEIN-BOUND URAEMIC TOXINS FROM HUMAN PLASMA BY RENEWABLE VEGETABLE WASTE-DERIVED CARBON ADSORBENTS, Jakpar Jandosov, Institute of Combustion Problems, Kazakhstan

REACTIONS OF 2-NITRO-D-GLUCAL WITH FURAN AND 2-METHYLFURAN USING "ON WATER" CONDITIONS: A MILD AND GREEN PROTOCOL FOR THE PREPARATION OF NEW CHIRAL 2-GLYCOFURANS, María Victoria Gil Álvarez, University of Extremadura, Spain

INFLUENCE OF MONOACYLGLYCEROLS ON SEPARATION OF SOYBEAN BIODIESEL THROUGH DISTILLATION, Júlio César de Carvalho Miranda, State University of Campinas, Brazil

STUDIES ON EPOXIDATION OF FLAXSEED OIL, Olga Govedarica, University of Novi Sad, Serbia

CATIONIC LATEXES WITH HYDROPHILIC AND HYDROPHOBIC SITES AS CATALYTIC MEDIA FOR THE HYDROLYSIS OF PNPDP, R. Bengü Karabacak, Anadolu University, Turkey

RATIONAL AND EFFICIENT USE OF WATER: REUSE OF WATER DISPOSAL OF WATER TREATMENT SYSTEMS IN PHARMACEUTICAL INDUSTRY, Valquiria Kopke dos Santos, Vital Brazil, Brazil

EPOXIDATION OF OLIVE OIL: PARTITIONING OF ACETIC ACID IN-BETWEEN SYSTEM PHASES, Snežana Sinadinović-Fišer, University of Novi Sad, Serbia

ECO-FRIENDLY FRIS REARRANGEMENT OF PHENYL ACETATE CATALYZED BY NANOCRYSTALLINE ZEOLITES, Suzan A. Khayya, King Abdulaziz university, Saudi Arabia

CARBOXYLATION OF HYDROXYARENES BY ALKALI METAL SALTS OF CARBONIC ACID ESTERS, Khakim A. Suerbaev, Al-Farabi Kazakh National University, Kazakhstan

INFLUENCE OF THE FRAMEWORKS AND THEIR RELATED PROPERTIES OF ZEOLITES ON CO₂ SEPARATION FOR SYNGAS PRODUCTION FROM SOLID WASTES, Moon Hyeon Kim, Daegu University, Republic of Korea

RISK ASSESSMENT TOOLS TO EVALUATE CO₂ LEAKAGES IMPACTS IN CCS TECHNOLOGY, Iciar Muñoz Díaz, University of Cantabria, Spain

APPLICATION OF LIFE CYCLE ANALYSIS TO EVALUATE THE VALORIZATION OF WAEZ SLAG INTO CERAMIC BRICKS, Iciar Muñoz Díaz, University of Cantabria, Spain

MONO- AND DOUBLE CARBONYLATION OF ARYL IODIDES IN THE PRESENCE OF REUSABLE SUPPORTED PALLADIUM CATALYSTS, Rita Skoda-Földes, University of Pannonia, Hungary

GREEN OLEFINS OXIDATION VS. HYDROTALCITES PREPARATION METHODS, Mitran Gheorghita, University of Bucharest, Romania

VALUABLE BIOADDITIVE OF BIODIESEL BY GLYCEROL VALORIFICATION, Mitran Gheorghita, University of Bucharest, Romania

DETECTION OF CONTAMINANTS IN COMBUSTION OF MICROALGAE SCENEDESMUS USING TG-MS, José Ignacio Arranz, University of Extremadura, Spain

USING IONIC LIQUIDS FOR THE SEPARATION OF CARBOHYDRATES, Mohamed Kamel Omar Hadj-Kali, King Saud University, Saudi Arabia

UV-TIO₂ PROCESS FOR PARABENS DEGRADATION, Joaquín R. Domínguez, University of Extremadura, Spain

O₃ PROCESS FOR PARABENS DEGRADATION: OPTIMIZING THE SYSTEM, Joaquín R. Domínguez, University of Extremadura, Spain

Wednesday, 30th July 2014

ADSORPTIVE REMOVAL OF RHODAMINE B DYE WITH XAD-7 RESIN, Dila Kaya, Yildiz Technical University, Turkey

AUTOMATION OF KINETIC-CATALYTIC METHODS FOR ENVIRONMENTAL SAMPLES ANALYSIS, Fatima Zohra Abouhiat, University of Balearic Islands, Spain

GREEN CHEMISTRY APPROACH FOR EFFICIENT SYNTHESIS OF TETRAHYDROPYRIDINE DERIVATIVES, Zuhail Turgut, Yildiz Technical University, Turkey

ASYMMETRIC SYNTHESIS OF ENANTIOMERICALLY ENRICHED BIS-AMINO ACIDS CONTAINING A SUBSTITUTED BENZIMIDAZOLE RING, Anna Mkrtchyan, Yerevan State University, Armenia

HYDROGENATION OF SOME OLEFINS WITH NEW PD-SCHIFF BASE COMPLEX IN IONIC LIQUID MEDIA, Hakan Ünver, Anadolu University, Turkey

EFFECT OF PALLADIUM NANOPARTICLES ON PHOTOCATALYTIC CHARACTERISTICS OF N DOPED TITANIA CATALYST, Han-Jun Oh, Hanseo University, Republic of Korea

HOT-AIR DRYING CHARACTERISTICS OF OLIVE STONE, Francisco Javier Gómez de la Cruz, University of Jaén, Spain

VARIABLE EFFECTIVE MOISTURE DIFFUSIVITY DETERMINATION IN THE DRYING OF SPENT COFFEE GROUNDS, Francisco Javier Gómez de la Cruz, University of Jaén, Spain

PHOTOCATALYTIC PERFORMANCE OF TITANIA NANOTUBE DEPOSITED WITH REDUCED GRAPHENE OXIDE, Jong-Ho Lee, Hanseo University, Republic of Korea

AN APPROACH TO DEVELOP A MATERIAL INFORMATION STRUCTURE FOR GREEN ENGINEERING, Jae Hyun Lee, Daegu University, South Korea

"GREEN" ANALOG OF NONYLPHENOL – PROMISING RAW MATERIAL FOR NON-IONIC SURFACTANTS, Muszyński Marcin, Institute of Heavy Organic Synthesis "Blachownia", Poland

SYNTHESIS AND CHARACTERIZATION OF ALKYD RESINS BASED ON CAMELINA SATIVA OIL AND POLIGLYCEROLS,

Muszyński Marcin, Institute of Heavy Organic Synthesis
"Blachownia", Poland

**ONE-STEP PRETREATMENT AND HYDROLYSIS OF FIBRE
SLUDGE USING NOVEL HYDROXY-FUNCTIONALIZED IONIC
LIQUIDS**, Janusz Nowicki, Institute of Heavy Organic Synthesis
"Blachownia", Poland

**EFFICIENT AND SUSTAINABLE SYNTHESIS OF HIGH
VICOSITY FATTY ACID ESTERS**, Janusz Nowicki, Institute of
Heavy Organic Synthesis "Blachownia", Poland

**ADSORPTION OF BENZOIC ACID ONTO ORGANO BENTONITE
USING SUPERCRITICAL CO₂: KINETICS AND ISOTHERM
STUDIES**, Özer Gök, Anadolu University, Turkey

**CAN THE MITOCHONDRIAL MALONDIALDEHYDE CONTENT BE
AN USEFUL TOOL TO DISTINGUISH ECOLOGICAL QUALITY OF
PETROMYZON MARINUS HABITAT?**, Rui Ferreira, University of
Évora, Portugal

**RENEWABLE ENERGY PRODUCTION FROM ANAEROBIC
DIGESTION OF BIO-WASTE. ANALYSIS OF HYDROLYSIS AS A
LIMITING STAGE OF THE PROCESS**, Patricia Torres, University of
Valle, Colombia

**RESEARCH OF OXIDISING ON ZEOLITE CATALYSTS OF
MONOATOMIC SATURATED SPIRITS C₂ AND C₃**, Asmer
Valiyeva, Azerbaijan State Oil Academy, Azerbaijan

**A NEW APPROACH FOR THE EXTRACTION OF NON-
STEROIDAL ANTI-INFLAMMATORY DRUGS FROM AQUEOUS
STREAMS USING IONIC LIQUIDS**, Hugo F. D. Almeida, Lisbon
Nova University, Portugal

**SMART TEXTILES OBTAINED BY ENZYMATIC ACTIVATION
FOLLOWED BY SURFACE GRAFTING OF N-
ISOPROPYLACRYLAMIDE**, Anamaria Sdrobis, "Petru Poni"
Institute of Macromolecular Chemistry, Romania

**THE EFFECT OF AROMATIC GROUPS ON THE ANTIMICROBIAL
TOXICITY OF IONIC LIQUIDS DERIVED FROM
PHENYLALANINE AND MANDELIC ACID**, Andrew Jordan, Dublin
City University, Ireland

DEVELOPMENT OF HIGH PERFORMANCE COMPOSITES FROM WATER DISPERSIBLE UNSATURATED POLYESTER RESIN, Raúl Segura, Industrial and Chemical Group of Toluca, Mexico

UV-VISIBLE SPECTRAL CHARACTERISTICS OF PYROLYSIS BIO-OIL OBTAINED FROM PLANT BIOMASS, Monideepa Chakraborty, Assam Engineering College, India

ULTRASOUND-ASSISTED GREEN SYNTHESIS OF SILVER NANOPARTICLES WITH HIGHLY EFFICIENT ANTI-BACTERIAL PROPERTIES, Vladimir Popov, University of Chemical Technology and Metallurgy, Bulgaria

ELECTROSPRAYING OF CHITOSAN/VITAMIN E MIXTURES FOR BIOACTIVE COATINGS, Dumitriu Petronela Raluca, "P. Poni" Institute of Macromolecular Chemistry, Romania

POLYURETHANE/BIOPOLYMERS FILMS AND ELECTROSPUN FIBROUS COATINGS FOR ANTIMICROBIAL MATERIALS, Dumitriu Petronela Raluca, "P. Poni" Institute of Macromolecular Chemistry, Romania

PHENOLS: THE KEY TO THE ENHANCEMENT OF CHESTNUT WASTE, José Francisco Fuente Maqueda, SERIDA, Spain

ULTRASOUND ASSISTED IN SITU TRANSESTERIFICATION OF CYNARA CARDUNCULUS L. FOR THE PRODUCTION OF BIODIESEL, Koutsouki Aikaterini, University of Ioannina, Greece

PHYTICOSMETIC COMPOSITIONS PREPARED WITH AN EXTRACT FROM GOLDEN ROOT (RHODIOLA ROSEA). TOTAL POLYPHENOL CONTENTS AND ANTIOXIDANT CAPACITY, Kamelia Petkova-Parlapanska, University of Chemical Technology and Metallurgy, Bulgaria

OXIDATION OF 2,4,6-TRICHLOROPHENOL WITH POTASSIUM PEROXYMONOSULFATE CATALYZED BY IRON(III) PORPHYRIN TETRASULFONATE, Tuğçe Günay, Anadolu University, Turkey

Thursday, 31st July 2014

REDUCING THE USE OF CHLORINE IN A TYPICAL SEA SIDE NUCLEAR PLANT COOLING SYSTEM, Maria José Fernandez-Torres, University of Alicante, Spain

ANALYSIS OF PELLETIZING OF CORK POWDER FROM INDUSTRIES OF GRANULATED, Francisco José Sepúlveda Justo, University of Extremadura, Spain

HYDROGEN PRODUCTION THROUGH CATALYTIC DEHYDROGENATION OF DECALIN OVER PT/C CATALYSTS FOR FUEL CELL VEHICLE, Ji Chul Jung, Myongji University, Republic of Korea

SUB-20 NM IN-PLANE CYLINDERS HIGH-X BLOCK COPOLYMER PATTERNS WITH HIGH-ASPECT-RATIO USING THICK BRUSH LAYERS, Jung Hye Lee, Korea Advanced Institute of Science and Technology (KAIST), Republic of Korea

EXTRACTION OF USEFUL PRODUCTS FROM THE LIQUID FRACTION OF A BIOMASS PYROLYSIS PROCESS, Rocio Suarez Megias, University of Extremadura, Spain

ENVIRONMENTALLY BENIGN CHLORINATION OF TOLUENE USING OXONE/KCL WITHOUT ANY CATALYST, Hayrettin Türk, Anadolu University, Turkey

THERMAL BIOMASS CONVERSION OPTIMIZATION FOR AN ENVIRONMENT-FRIENDLY PROCESS: INFLUENCE OF HEATING RATE ON EMISSIONS DURING COMBUSTION, José Ignacio Arranz, University of Extremadura, Spain

FRACTIONATION AND CHARACTERIZATION OF SLUDGE PRODUCED ON THE RECYCLING OF FOSSIL FUELS AND MINERAL OILS, Ana Paula Oliveira Lisbon Nova University, Portugal

SYNTHESIS OF POLYMER-SUPPORTED PERFLUOROTHIOPHENE Pd(II) AND Rh(I) CATALYSTS AND THEIR CATALYTIC ACTIVITIES FOR HYDROGENATION OF STYREN IN ScCO₂, Filiz Yilmaz, Anadolu University, Turkey

USING BIO-MESOPOROUS SILICA FROM RICE HUSK FOR REMOVING TOXIC IONS FROM WASTEWATER AND

PREPARING METAL-SILICATE CATALYSTS, Hong-Ping Lin,
National Cheng Kung University, Taiwan

**OXIDATION OF 2,6-di-tert-butylphenol WITH TERT-BUTYL
HYDROPEROXIDE CATALYZED BY IRON(III) PORPHYRIN
TETRASULFONATE**, Yasemin Çimen, Anadolu University, Turkey

**SYNTHESIS OF NOVEL MONO AND BALL-TYPE
PHTHALOCYANINES CONTAINING [2,20-methylenebis-[6-(1-
methylcyclohexy)-p-methyl-phenoxy phthalonitrile] UNITS**,
Emel Ermiş, Anadolu University, Turkey

**ADSORPTION KINETICS OF PHENANTHRENE ONTO
NATURAL– AND HDTMA–MODIFIED BENTONITE FROM
AQUEOUS SOLUTIONS**, Elif Mine Öncü Kaya, Anadolu University,
Turkey

**EFFECT OF POLY(ϵ -caprolactone)/CHITOSAN RATIO ON THE
PROPERTIES OF THE ELECTROSPUN NANOFIBRES**, Anamaria
Sdrobis, “Petru Poni” Institute of Macromolecular Chemistry,
Romania

**INTEGRATED PROCESS FOR BIODIESEL PRODUCTION
CONSIDERING REUSE ALTERNATIVE FROM RESIDUAL
GLYCEROL**, Victor Haber Perez, State University of the North
Fluminense Darcy Ribeiro, Brazil

**BIODIESEL PRODUCTION BY ENZYMATIC ROUTE USING A P.
FLUORESCENS LIPASE IMMOBILIZED ON A MAGNETIC
SUPPORT**, Victor Haber Perez, State University of the North
Fluminense Darcy Ribeiro, Brazil

**A NEW OBJECTIVE AND PROBABILISTIC APPROACH TO
DETERMINE ATMOSPHERIC POLLUTION AND ITS
ANOMALIES**, Francisco J. Moral, University of Extremadura, Spain

**PHYSICO-CHEMICAL CHARACTERISTICS OF ACTIVATED
SORBENT FROM VEGETABLE RAW MATERIALS AND
FURFURAL COPOLYMER**, Kanagat K. Kishibayev, Kazakh National
University named after Al-Farabi, Kazakhstan

**DIELS-ALDER CLICK CYCLIZATION OF A POLYCARBONATE
CHAIN**, Pinar Sinem Omurtag, Istanbul Technical University,
Turkey

USE OF "GREEN VITRIOL" WASTE AS A STARTING MATERIAL FOR THE CONCURRENT AND GREEN PRODUCTION OF THREE PIGMENTS, Aliyar Mousavi, Nashua Community College, USA

INVESTIGATION OF FRESH AND MECHANICAL PROPERTIES OF SELF COMPACTING CONCRETE CONTAINING FLY ASH, Ahmet Raif BOĞA, Afyon Kocatepe University, Turkey

NANO- MAGNETITE SUPPORTED CU(I) AS A ROBUST CATALYST FOR CONVENIENT SYNTHESIS OF PROPARGYLAMINES IN WATER, Mahmoud Tajbakhsh, Mazandaran University, Iran

A GREEN PROCEDURE FOR DIRECT OXIDATION OF ORGANIC HALIDES TO ALDEHYDES AND KETONES CATALYZED BY PHTHALOCYANINE SUPPORTED ON SILICA-COATED DERRITE, Nona Ehyae, Sharif University of Technology, Iran

THE SYNTHESIS OF A NOVEL POLYMERIC COLLOIDAL SYSTEM BASED ON N-(4-(Benzothiazole-2-yl)-2-methylphenyl)ACRYLAMIDE DERIVATIVE, Naime Funda Tay, Eskisehir Osmangazi University, Turkey

UV-TiO₂ PROCESS FOR PARABENS DEGRADATION, Eduardo Manuel Cuerda Correa, University Of Extremadura, Spain

O₃ PROCESS FOR PARABENS DEGRADATION: OPTIMIZING THE SYSTEM, Eduardo Manuel Cuerda Correa, University of Extremadura, Spain

VACUUM PYROLYSIS OF OLIVE HUSK OIL AND HIGH ACIDITY OLIVE OIL, Maria Margarida Gonçalves, Lisbon Nova University, Portugal

THE RENEWABLE ENERGY PARADIGM: LIFE-CYCLE GREENHOUSE-GAS EMISSIONS. CASE STUDY: SRI LANKA, Luís Carlos Dafauce, Ayuda Sri Lanka NSP3, Spain

ONE-POT CATALYTIC CONVERSION OF CELLULOSE INTO SUGAR ALCOHOLS, Lucília Ribeiro, University of Porto, Portugal

ECOTOXICITY AND GEOCHEMICAL PROPERTIES OF STREAM WATER AND SEDIMENTS OF AN ABANDONED MINING SITE IN KOREA: A CASE STUDY, Young-Soo Han, Korea Institute of Geoscience and Mineral Resources, Republic of Korea

No presencial participants

OBTAINING A BIOFERTILIZERS BASED ON HUMIC ACIDS AND GALACTOMANNANS EXTRACTED FROM THE SEEDS OF GLEDITSIA TRIACANTHOS USED IN EXTRAROOT PLANT FERTILIZATION, Irina Dabuleanu, University of Craiova, Romania