



25th International Symposium on Analytical and Environmental Problems

***Szeged, Hungary
October 7-8, 2019***

University of Szeged



Final Program

25th International Symposium on Analytical and Environmental Problems

Supporting Organizations

*Institute of Pharmaceutical Analysis, University of Szeged
Department of Inorganic and Analytical Chemistry, University of Szeged
Institute of Environmental Science and Technology, University of Szeged
Hungarian Academy of Sciences*

General information

*The venue of the Symposium: MTA, SZAB székház, Szeged, Somogyi u. 7.
The Symposium features recent findings from leading industrial and academic experts in the field of analytical chemistry and environment related problems.*

Symposium Chairman:

István Ilisz, DSc

Honorary Chairman:

*Zoltán Galbács, PhD
honorary professor
University of Szeged, Department of Inorganic and Analytical Chemistry*

Organizing Committee:

*István Ilisz, DSc
associate professor
University of Szeged, Institute of Pharmaceutical Analysis
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*Tünde Alapi, PhD
assistant professor
University of Szeged, Department of Inorganic and Analytical Chemistry
alapi@chem.u-szeged.hu*

TIMETABLE

Monday

9⁴⁵-10⁰⁰: Opening Ceremony
10⁰⁰-13⁴⁵: Oral Presentations: Session I
14⁰⁰-16³⁰: Poster session I

Tuesday

9³⁰-13⁴⁵: Oral Presentations: Session II
14⁰⁰-16³⁰: Poster session II
16³⁰: Closing Remarks

Oral Presentations: Monday (Session I)

Session Chair: Dr. Tünde Alapi (University of Szeged, Department of Inorganic and Analytical Chemistry)

10⁰⁰-10¹⁵

THE STUDY OF PHOTOCATALYTIC DEGRADATION OF ANIONIC DYES BY 1D COORDINATION POLYMERS BASED ON CADMIUM(II)

Ildiko Mariana Bută, Maria Andreea Nistor, Simona Gabriela Muntean, Otilia Costişor

10¹⁵-10³⁰

CARBONATION OF SOME CONCRETE MIXTURES USING RECYCLED CONCRETE AGGREGATES

Remus Chendes, Corneliu Bob, Liana Iures, Sorin Dan, Catalin Badea, Dan-Cristian Tănasie

10³⁰-10⁴⁵

SELF-ASSEMBLY IN WATER OF BULKY OCTAHEDRAL COORDINATION COMPLEXES BASED ON RH(III) METAL CENTER

Carmen Cretu, Maria A. Spirache, Adél Len, Zoltán Dudás, Alessandra Crispini, Elisabeta I. Szerb

10⁴⁵-11⁰⁰

LIQUID CRYSTAL PHASES BASED ON FLUORENONE CORE

Daniela Haidu, Ya-Xin Li, Xiang-Bing Zeng, Goran Ungar, Liliana Cseh

11⁰⁰-11¹⁵

DEVELOPMENT OF BAKERY PRODUCT WITH SEA BUCKTHORN POMACE (*HIPPOPHAE RHAMNOIDES* L.)

Zsuzsanna Kiss, Beatrix Szabó-Nótin, Rentsendavaa Chaagnadorj, Mónika Stéger-Máté, Éva Stefanovits-Bányai, Diána Furulyás

11¹⁵-11³⁰

RECOVERY OF PLATINUM FROM LEACHING SOLUTIONS BY INTERACTION WITH PORPHYRINS

Anca Lascu

Coffee Break

Session Chair: Dr. Róbert Bekecz (University of Szeged, Institute of Pharmaceutical Analysis)

12⁰⁰-12¹⁵

DETERMINATION OF HYDROXYL RADICALS USING COUMARIN AND COUMARIN-3-CARBOXYLIC ACID DURING GAMMA RADIOLYSIS AND HETEROGENEOUS PHOTOCATALYSIS

Máté Náfrádi, László Wojnárovits, Erzsébet Takács, Tünde Alapi

12¹⁵-12³⁰

SYNTHESIS AND CHARACTERIZATION OF MAGNETIC NANOPARTICLES BY THE COMBUSTION METHOD USED AS ADSORBENT FOR REMOVAL OF DYES FROM COLORED WASTEWATER

Maria-Andreea Nistor, Simona Gabriela Muntean, Robert Ianos

12³⁰-12⁴⁵

POLYANILINE/POLY (3-AMINOPHENYLBORONIC ACID) FILM AND ITS SENSING PROPERTIES

Nicoleta Plesu, Andrea Kellenberger, Milica Tara-Lunga Mihali, Nicolae Vaszilcsin

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12⁴⁵-13⁰⁰

ADVANCED MASS SPECTROMETRY TECHNIQUES FOR DETERMINATION OF BRAIN GANGLIOSIDE EXPRESSION AND THEIR FUNCTIONAL INTERACTIONS IN HEALTHY AND DISEASED CENTRAL NERVOUS SYSTEM

Mirela Sarbu, Raluca Ica, Alina Petrut, Cristian V.A. Munteanu, David E. Clemmer, Alina D. Zamfir

13⁰⁰-13¹⁵

NOVEL NICKEL COMPLEXES WITH SCHIFF BASES AND α -GLYOXIMES, SYNTHESIS AND PHYSICAL-CHEMICAL STUDY

Csaba Várhelyi jr., Roland Szalay, György Pokol, Firuța Goga, Péter Huszthy, Melinda Várhelyi, Ligia-Mirabela Golban, Alexandra Bogdan, Lóránd Demeter

13¹⁵-13³⁰

POTENTIAL DEVELOPMENT METHODS OF MEMBRANE FILTRATION TO PURIFY OIL-CONTAMINATED WATER

Erika Nascimben Santos, Gábor Veréb, Szabolcs Kertész, Cecilia Hodúr, Zsuzsanna László

13³⁰-13⁴⁵

INVESTIGATION OF PRIORITY POLLUTANTS IN THE SEDIMENT PHASE - PROJECT SIMONA

Mária Mörtl, Zsófia Kovács, Győző Jordán, András Székács

Poster Session I. (P01-P68): Monday 14⁰⁰-16³⁰

P01

ASSOCIATIONS BETWEEN ENVIRONMENTAL HEAVY METALS, ECOBIOCHEMISTRY AND HEALTH

Mirela Ahmadi, Ioan Pet, Lavinia Stef, Narcisa Mederle¹, Cornelia Milovanov, Gabi Dumitrescu, Marioara Nicula, Iosefina Laura Smuleac, Adrian Smuleac, Raul Pascalau, Dorel Dronca

P02

VOCs EMISSION ON THE ALUMINUM SHEETS PAINTING LINE

Snežana Aksentijević, Jelena Kiurski, Jelena Golubović

P03

Zn-METALLOPORPHYRINS CONTAINING PYRIDYL GROUPS AND THEIR COMPARATIVE CAPACITY TO COORDINATE HEXACHLOROPLATINIC ACID

Diana Anghel, Anca Lascu, Ion Fratilescu, Camelia Epuran, Eugenia Fagadar-Cosma

P04

SYNTHESIS AND CHARACTERIZATION OF SENSITIVE COMPONENTS: N- TYPE BINARY OXIDES (TiO₂, ZnO) AND P- TYPE CREDNERITE (CuMnO₂) FOR AMPEROMETRIC SENSOR

Cornelia Bandas, Maria Poienar, Paulina Vlazan, Corina Orha, Daniel Ursu, Carmen Lazau

P05

TEMPERATURE EFFECT ON CO₂ ADSORPTION-DESORPTION PROCESS OF DIFFERENT FUNCTIONALIZED MESOPOROUS MATERIALS

Silvana Borcanescu, Alexandru Popa, Orsina Verdes, Mariana Suba

P06

THE BEHAVIOR OF NITRIFYING MICROORGANISMS FROM A SOIL CULTIVATED WITH LOTUS CORNICULATUS L.

Aurica Breica Borozan, Despina-Maria Bordean, Luminița Pîrvulescu, Liana Alda, Dan Raican, Sorina Popescu

P07

CHRONOPOTENTIOMETRIC STUDY OF NICOTINAMIDE (VITAMIN B₃)

Tanja Brezo-Borjan, Zorica Stojanović, Zvonimir Suturović, Snežana Kravić, Ana Đurović

P08

IMPROVED PIEZOELECTRIC RESPONSE IN LEAD FREE PIEZOCERAMICS

Bucur Raul Alin, Farkas Iuliana, Bucur Alexandra Ioana

P09

PRELIMINARY STUDIES ON THE HYDROTHERMAL SYNTHESIS OF PROMISING MULTIFERROIC PIEZOCERAMICS FOR THE MEDICAL APPLICATIONS

Cristian Casut, Raul Bucur, Daniel Ursu, Nicolae Miclau, Paul Barvinschi, Alina Zamfir, Marinela Miclau

P10

DETERMINATION OF SALICIN CONTENT IN FOOD SUPPLEMENTS CONTAINING WILLOW BARK

Adina Căta, Mariana N. Ștefănuț, Ioana M.C. Ienașcu

P11

SYNTHESIS OF IRON OXIDE (Fe₂O₃) BY HYDROTHERMAL DECOMPOSITION OF Fe-Na₄EDTA COMPLEX AT TEMPERATURES BETWEEN 140 °C AND 200 °C

Marius Chirita, Liviu Mocanu

P12

HYDROTHERMAL SYNTHESIS OF THE MIXED-PHASES BASED ON Mn FOR LITHIUM ION BATTERY APPLICATION

Dabici Anamaria, Ursu Daniel, Vajda Melinda, Miclau Marinela, Casut Cristian, Albulescu Daiana

P13

PHOTOCATALYTIC ACTIVITY OF METAL OXIDE NANOPARTICLES FOR REMOVAL OF THE HERBICIDE FLUROXYPYR FROM WATER

Vesna Despotović, Paula Šfirloaga, Daniela Šojić Merkulov, Biljana Abramović

P14

ELECTROCHEMICAL BEHAVIOR OF QUERCETIN ON BORON-DOPED DIAMOND ELECTRODE IN DIFFERENT SUPPORTING ELECTROLYTES

Ana Đurović, Zorica Stojanović, Snežana Kravić, Zvonimir Suturović, Lukas Richtera, Tanja Brezo-Borjan

P15

CLASSICAL EXTRACTION OF POLYPHENOLIC COMPOUNDS FROM INDUSTRIAL HEMP (CANNABIS SATIVA L.)

Zorica Drinić, Jelena Vlatić, Anamarija Koren, Biljana Kiproviski, Aleksandra Mišan, Senka Vidović

P16

OPTICAL DETECTION OF RHODAMINE B BY Pt(II) TETRA-(4-ALLYLOXY-PHENYL)-PORPHYRIN

Camelia Epuran, Diana Anghel, Anca Lascu, Ion Fratulescu, Eugenia Fagadar-Cosma

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PLATINUM-PORPHYRIN INVOLVED IN THE UV-VIS SPECTROPHOTOMETRIC DETECTION OF RHODAMINE B AND OXYGEN PEROXIDE

Ion Fratulescu, Diana Anghel, Anca Lascu, Camelia Epuran, Eugenia Fagadar-Cosma

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EFFECTS OF ETHANOL ON THE HEPATIC DNA IN MATERNO-FETAL COMPLEX AND ON THE SERUM PROTEINS IN PREGNANT FEMALE RATS

Mirela Ahmadi-Vincu, Florin Muselin, Gabriela Gârban, Adina Avacovici, Robert Ujhelyi, Sorin Marinescu, Zeno Gârban

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CHARACTERIZATION AND KINETIC STUDY OF MAGENTA PRINTING EFFLUENT AFTER HOMOGENEOUS FENTON TREATMENT

Vesna Gvoić, Miljana Prica, Đurđa Kerkez, Milena Bečelić-Tomin, Aleksandra Kulić, Anita Leovac Maćerak, Božo Dalmacija

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DETERMINATION OF STRUCTURAL-FUNCTIONAL INTERACTIONS OF GLYCOSIDES WITH PEPTIDES AND PROTEINS BY MICROFLUIDICS –MASS SPECTROMETRY

Raluca Ica, Mirela Sarbu, Alina Secara, Laurentiu Popescu, Alina Petrut, Alina D. Zamfir

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ANTIMICROBIAL EFFECT OF SOME NEW SALICYLAMIDE DERIVATIVES

Ienașcu, I.M.C., Căta, A., Ștefănuț, M.N., Obistoiu, D., Popescu, I.M.

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ELECTROCHEMICAL DENITRIFICATION OF WATER FOR DRINKING PURPOSE

Sorina Negrea, Monica Ihos, Mihaela Dragalina, Dorian Neidoni, Florica Manea

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CHARACTERIZATION OF ROAD TRAFFIC POLLUTION IN AN URBAN STREET CANYON

Milana Ilić Mićunović, Boris Agarški, Zorica Miroslavljević

P24

MICROSTRUCTURE AND THERMAL CHARACTERIZATION OF Mo-DOPED $\text{Li}_{6.87}\text{Nb}_{2.34}\text{Ti}_{5.78}\text{O}_{21}$ SOLID-SOLUTION CERAMICS

Tamara Ivetić, Jelena Petrović, Imre Gúth, Kristina Čajko, Svetlana Lukić-Petrović

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DIRECT PHOTOLYSIS OF FUMONISIN B1 IN AQUEOUS MEDIUM

Ivana Jevtić, Sandra Jakšić, Maria Uzelac, Biljana Abramović

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ENVIRONMENTALLY FRIENDLY APPROACHES FOR CHEMICAL MODIFICATION OF CARBON-BASED NANOMATERIALS

Svetlana Jovanovic, Duska Kleut, Milica Budimir, Zois Syrgiannis and Biljana Todorović Marković

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PRODUCT DEVELOPMENT OF SEA BUCKTHORN RESIDUAL POMANCE TEA MIXTURE

Vanessza Klink, Dóra Székely, Mónika Stégerne-Máté, Éva Stefanovits-Bányai, Diána Furulyás

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POLYCYCLIC AROMATIC HYDROCARBONS IN URBAN AND RURAL SOILS OF VOJVODINA

Snežana Kravić, Zorica Stojanović, Ana Đurović, Zvonimir Suturović, Tanja Brezo-Borjan

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VALIDATION METHOD FOR DETERMINATION OF PCB CONGENERS IN SOIL USING GC-MS

Aleksandar Krstić, Marija Ječmenica Dučić, Mina Seović, Djurica Katnić, Milena Pijović, Adrijana Šutulović, Gvozden Tasić

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CONFORMATIONAL ANALYSIS OF ORGANO-SILICON DERIVATES ATTACHED ON SUPERPARAMAGNETIC IRON OXIDE (Fe_3O_4)

Horatiu Moldovan, Marius Chirita, Liviu Mocanu

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NUMERICAL STUDY OF ANISOTROPIC IRREVERSIBLE DEPOSITION OF EXTENDED OBJECTS ON A TRIANGULAR LATTICE

Ivana Lončarević, Ljuba Budinski-Petković, Slobodan Vrhovac, Zorica Jakšić

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THE ENERGETIC POTENTIAL OF THE URBAN AREAS FOR THE THERMO PHOTOVOLTAIC REGENERATIVE HYBRID SOLAR SYSTEMS

Corina Macarie, Ionel Balcu, Bogdan Taranu

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**ENVIRONMENTAL SUSTAINABILITY OF MARGINAL SOILS BY MISCANTHUS CULTIVATION:
A REVIEW**

Jelena Maksimović, Zoran Dinić, Radmila Pivić, Aleksandra Stanojković-Sebić, Željko Dželetović, Milena Mladenović Glamočlija, Đorđe Glamočlija

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**THE STUDY OF SOME ELECTRICAL PROPERTIES OF Cu₂O COMPOUND BY AB-INITIO
METHODS**

Marinela Miclau, Daniel Ursu, Vajda Melinda, Liviu Mocanu

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**HAZARDOUS WASTE MANAGMENT– PESTICIDE CONTAINER MANAGEMENT PROBLEM AND
SOLUTIONS**

Višnja Mihajlović, Una Marčeta, Bogdana Vujić, Jelena Mićić

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**FOOD PRODUCT DESIGN - CHOCOLATE FORMULAS WITH ADDITION OF BREWER'S YEAST
POWDER**

Diana Moigradean, Despina-Maria Bordean, Liana-Maria Alda, Daniela Stoin, Antoanela Lena Cozma, Dan Dorin Raican, Mariana-Atena Poiana

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**EXTRACTION OF CHLOROPHYLL A, B AND CAROTENOIDS FROM NANNOCHLOROPSIS
OCULATA AFTER HEAVY METAL ADSORPTION**

Zamfira Dincă, Anamaria Iulia Török, Maria-Alexandra Hoaghia, Enikő Kovács, Emilia Neag

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**LEMNA MINOR L. AND PISTIA STRATIOTES L. IN THE ACCUMULATION OF TOTAL
PHOSPHORUS FROM THE WATER**

Dorian-Gabriel Neidoni, Mihaela Dragalina, Valeria Nicorescu, Amanda Izabela Siminic, Dan Alin Pop, Alexandru Pahomi

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**PRELIMINARY RESEARCH ON LAMINATE ULTRASONIC WELDING FOR FABRICATION OF
SANDWICH COMPOSITE FROM AMORPHOUS RIBBONS AND CRYSTALLINE COOPER FOILS**

Nicolaescu Mircea, Mina Popescu, Corina Orha, Emilia Florina Binchiciu, Cosmin Codrean

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**COMPARISON OF ANTIOXIDANT ACTIVITY BETWEEN TWO SWEET PEPPER GENOTYPES
INFECTED WITH ALTERNARIA ALTERNATA**

Marijana Peić Tukuljac, Dejan Prvulović, Sladana Medić-Pap, Dario Danojević

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**CHEMOMETRICS STUDY OF GERMS PLANT FOR DETERMINING THE ANTICANCER
ACTIVITY**

Alina-Maria Petrescu, Lauriana–Eunice Zbircea, Maria-Roxana Buzan, Marieta –Elena Furdui, Gianina-Loredana Jucos, Feng Chen Ifrim, Gheorghe Ilia, Virgil Paunescu

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**DEVELOPMENT OF MODERN HIGH RESOLUTION MASS SPECTROMETRY PLATFORM FOR
GLYCOLIPID MAPPING IN DEFINED HUMAN BRAIN REGIONS**

Alina Petrut, Anca Simulescu, Raluca Ica, Mirela Sarbu, Cristian V.A. Popescu, Alina D. Zamfir, Andrei J. Petrescu

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**INFLUENCE OF HIGHWAY DISTANCE ON HEAVY METALS DYNAMICS IN THE SOIL-FRUIT
SYSTEM**

Radmila Pivić, Zoran Dinić, Jelena Maksimović Aleksandra Stanojković-Sebić

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A COMPARATIVE STUDY BETWEEN CORROSION PROTECTION OF DIFFERENT SUBSTITUTED Pt-METALLOPORPHYRINS

Nicoleta Plesu, Milica Tara-Lunga Mihali, Eugenia Fagadar-Cosma

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EFFECT OF INTERMOLECULAR INTERACTIONS ON PHASE COMPATIBILITY AND MATERIAL PROPERTIES IN ORGANIC-INORGANIC COMPOSITE BLENDS

Adina Maria Dobos, Anca Filimon, Adriana Popa

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EFFECT OF DIFFERENT SWELLING AGENTS ON TEXTURAL AND STRUCTURAL PROPERTIES OF MODIFIED MESOPOROUS SILICA

Alexandru Popa, Silvana Borcanescu, Paul Barvinschi, D. Bajuk-Bogdanović, S. Uskoković-Marković, I. Holclajtner-Antunović

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THE APPLICATION OF CARBONIZED ASH FOR THE SOLIDIFICATION AND STABILIZATION OF SEDIMENT WITH HIGH CONTENT OF Zn AND As

Nenad Popov, Srđan Rončević, Snežana Maletić, Nataša Varga, Sandra Jakšić, Željko Mihaljev, Milica Živkov Baloš

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RELATIVE DEPENDENCE BETWEEN OPERATING PARAMETERS AND QUALITY OF BITUMEN OBTAINED IN AN ASPHALT AIR BLOWING PROCESS

Rosu Dan

P49

CHEMICAL SYNTHESIS AND CHARACTERIZATION OF LEAD DIOXIDE NANOPOWDER

Branislava Savić, Sanja Živković, Dalibor Stanković, Miloš Ognjanović, Tanja Brdarić, Gvozden Tasić, Ivana Mihajlović

P50

NOVEL REACTOR WITH MULTIPLE ZINC ELECTRODES FOR SCALE PREVENTION

Marjana Simonič

P51

REMOVAL OF HERBICIDE TEMBOTRIONE FROM WATER USING VARIOUS NEWLY SYNTHESIZED PHOTOCATALYSTS

Daniela Šojić Merkulov, Marina Lazarević, Paula Sfirloagă, Biljana Abramović

P52

SYNTHESIS AND CHARACTERIZATION OF THIENO [3, 2-B] THIOPHENE DERIVATIVE INTERMEDIATE IN SYNTHESIS OF LIQUID CRYSTAL COMPOUNDS

Spirache Maria Angela, Haidu Daniela, Badea Valentin and Cseh Liliana

P53

INFLUENCE OF DIFFERENT COMBINATIONS OF WALL MATERIALS ON THE ENCAPSULATION OF BUTTERNUT SQUASH WASTE EXTRACT

Sladana Stajčić, Jasna Čanadanović-Brunet, Gordana Četković, Vesna Tumbas Šaponjac, Jelena Vulić, Vanja Šeregelj

P54

PARTIAL CHARACTERIZATION OF EXTRACTS FROM SOME BRASSICACEAE VEGETABLES

Mariana Nela Ștefănuț, Adina Căta, Ioana Maria Carmen Ienașcu

P55

NUTRITIONAL PROFILE EVALUATION OF THE GLUTEN-FREE BREAD OBTAINED FROM FLOUR MIXTURES WITH HIGH NUTRITIONAL VALUE

Stoian Daniela, Lavrik Ilya Petrovich, Jianu Călin, Velcirov Ariana – Bianca, Moigrădean Diana, Popescu Sofia

P56

DETERMINATION OF POLYPHENOLIC CONTENT IN BY-PRODUCT FROM SUNFLOWER SEED INDUSTRY

Zorica Stojanović, Snežana Kravić, Ana Đurović, Nada Grahovac, Ranko Romanić

P57

AMINE FUNCTIONALIZED KIT-6 FOR CO₂ ADSORPTION AT DIFFERENT TEMPERATURES

Mariana Suba, Orsina Verdeş, Alexandru Popa, Silvana Borcănescu

P58

CHARACTERIZATION OF RECYCLED RESINS WITH AMINOPHOSPHONIC GROUPS FOR A FUTURE ANTIMICROBIAL TEST

Ileana Nichita, Lavinia Lupa, Adriana Popa, Valentin Radu Gros

P59

TOXICITY ASSESSMENT OF CEFTRIAXONE, THIOTRIAZINONE AND THEIR MIXTURE FORMED DURING PHOTOCATALYTIC DEGRADATION USING TiO₂ AND ZnO

Maria Uzelac, Dragana Četojević-Simin, Biljana Abramović

P60

LIPOPEPTIDE PROFILING OF A BACILLUS STRAIN BY HPLC-HRMS TECHNIQUE

Atila Bartal, Henriett Hunkár, Mónika Vörös, Csaba Vágölgýi, András Szekeres

P61

RECYCLING OF FILTER TEA INDUSTRY BY-PRODUCTS: PRODUCTION OF A. MILLEFOLIUM EXTRACTS USING SUBCRITICAL WATER EXTRACTION

Jelena Vladić, Maja Molnar, Martina Jakovljevic, Senka Vidović, Stela Jokić, Kristian Pastor, Natasa Nastic

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WASTEWATER TREATMENT WITH MICROALGAE AND CHARACTERIZATION OF THE OBTAINED BIOMASS

Jelena Vladoic, Luisa Gouveia, Alice Ferreira, Senka Vidovic

P63

ENVIRONMENTAL FRIENDLY LEAD FREE PIEZOELECTRIC CERAMICS

Farkas Iuliana, Bucur Alexandra Ioana, Bucur Raul Alin

P64

HIGH ASPECT RATIO HYDROXYAPATITE FOR LOW DENSITY AEROGELS

Alexandra Ioana Bucur, Bogdan-Ovidiu Taranu, Iuliana Sebarchievici, Cristina Mosoarca, Mihai Cosmin Pascariu, Corina Orha, Radu Banica

P65

NEW ENVIRONMENTAL BUILDING MATERIAL WITH SELF-CLEANING PROPERTY

Madalina Ivanovici, Paulina Vlazan, Stefan Novaconi, Cristina Mosoarca, Florina Stefania Rus

P66

UV AND SUNLIGHT-DRIVEN DEGRADATION OF CIPROFLOXACIN IN THE PRESENCE OF CATALYSTS TiO₂, ZnO AND MgO

Nina Finčur, Paula Šfirloagă, Daniela Šojić Merkulov, Biljana Abramović

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STUDIES REGARDING OBTAINMENT AND THE CHARACTERIZATION OF DIFFERENT TYPES OF HOMEMADE CHOCOLATE WITH FOREST FRUIT ADDITION

Sofia Popescu, Ariana - Bianca Velciov, Adrian Riviş, Antoanela Cozma, Daniela Stoin, Florina Radu

Oral Presentations: Tuesday (Session II)

Session Chair: Dr. István Ilisz (University of Szeged, Institute of Pharmaceutical Analysis)

9³⁰-9⁴⁵

BIOI/MWCNT COMPOSITES FOR PHENOL DEGRADATION UNDER VISIBLE LIGHT

Nikita Sharm, Pap Zsolt, Seema Garg, Klára Hernádi

9⁴⁵-10⁰⁰

STUDY TO EVALUATE THE EFFECT OF ULTRA-SONICATION PRIOR TO MICROWAVE DISINTEGRATION ON ANAEROBIC DIGESTION OF DAIRY SLUDGE

Mahmood Al Ramahi, Sándor Beszédes, Gábor Keszthelyi-Szabó

10⁰⁰-10¹⁵

CARBAMATE INSECTICIDES EXTRACTION DEPENDING ON THE SOIL PROPERTIES

Milica Baloš, Vojislava Bursić, Vuković Gorica, Rada Đurović-Pejčev, Tijana Zeremski, Aleksanda Petrović, Sonja Gvozdenac, Tijana Stojanović

10¹⁵-10³⁰

LIPOXYGENASE INHIBITORY ACTIVITY OF OXIDIZED RESVERATROL METABOLITE MIXTURES

Orinamhe Godwin Agbadua, Attila Hunyadi

10³⁰-10⁴⁵

PHYTOCHEMICAL AND PHARMACOLOGICAL ANALYSIS OF TWO IRANIAN PLANTS, DUCROSIA ANETHIFOLIA AND EREMURUS PERSICUS

Javad Mottaghipisheh, Márta Nové, Gabriella Spengler, Norbert Kúsz, Judit Hohmann, Dezső Csopor

10⁴⁵-11⁰⁰

CHARACTERIZATION OF SOIL AMENDED WITH SEWAGE SLUDGE AND GROWTH OF RYE PLANT

Hosam Bayoumi Hamuda

11⁰⁰-11¹⁵

EVAPORATION OF LIQUIDS FROM POROUS FILMS – METHODOLOGY AND ANALYTICAL POSSIBILITIES

Ildikó Y. Tóth

11¹⁵-11³⁰

CHANGE IN ATTITUDES TO CORPORATE SOCIAL RESPONSIBILITY

László Berényi

Coffee Break

12⁰⁰-12¹⁵

ANALYSIS OF DESIGNER DRUGS AND THEIR METABOLITES IN BLOOD AND URINE SAMPLES

Tímea Körmöczi, Orsolya Kovács, Éva Sija, Ákos Hunya, Reza Samavati, Róbert Gáspár, László Institóris, István Ilisz, Róbert Berkecz

12¹⁵-12³⁰

SWAP BETWEEN NORMAL PHASE AND POLAR ORGANIC MODE ON ADMPC CHIRAL STATIONARY PHASES

Simon Horváth, Zsuzsanna Eke, Antal Péter, István Ilisz, Gábor Németh

12³⁰-12⁴⁵

ARSENIC UPTAKE IN TOMATO AND POTATO PLANTS GROWN IN SILT AND SAND SOIL AND IRRIGATED WITH WATER CONTAINING ARSENIC

Sirat Sandil, Peter Dobosy, Victoria Vetesi, Kriszta Kröpf, Anna Füzy, Mihály Óvári, Gyula Záray

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12⁴⁵-13⁰⁰

MEMBRANE SEPARATION PROCESS FOR DAIRY WASTEWATER TREATMENT

Elias Jigar Sisay, Zsuzsanna László, Ákos Fazekas

13⁰⁰-13¹⁵

EX-SITU XPS STUDY OF THE ROLE AND BEHAVIOUR OF COBALT-OXIDE SUPPORT SURFACES IN CO₂ HYDROGENATION

Ákos Szamosvölgyi, András Sági, Ákos Kukovecz, Zoltán Kónya

13¹⁵-13³⁰

MAKE IT CIRCULAR – CIRCE2020 PROJECT: RATING METHOD FOR A PROBLEMATIC PLASTIC COMPOSITE TO CHOOSE THE BEST CIRCULAR ECONOMY SOLUTION

Eszter Tanka, Enikő Csoma, Zsolt István

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