



27th International Symposium on Analytical and Environmental Problems

*Szeged, Hungary
November 22-23, 2021*

University of Szeged



Final Program

27th International Symposium on Analytical and Environmental Problems

Supporting Organizations

Hungarian Academy of Sciences

Institute of Pharmaceutical Analysis, University of Szeged

Department of Inorganic and Analytical Chemistry, University of Szeged

General information

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, professor of chemistry

University of Szeged, Institute of Pharmaceutical Analysis

Honorary Chairman:

Zoltán Galbács, PhD, honorary professor

University of Szeged, Department of Inorganic and Analytical Chemistry

Organizing Committee:

István Ilisz, DSc

Tünde Alapi, PhD, assistant professor

University of Szeged, Department of Inorganic and Analytical Chemistry

Róbert Berkecz, PhD, assistant professor

University of Szeged, Institute of Pharmaceutical Analysis

Scientific Committee:

István Ilisz, DSc

Tünde Alapi, PhD

Róbert Berkecz, PhD

Daniela Sojic Merkulov, PhD, associate professor

University of Novi Sad, Faculty of Sciences, Department of Chemistry, Biochemistry and Environmental Protection

TIMETABLE

Monday

10⁰⁰-10¹⁵: Opening Ceremony

10¹⁵-13¹⁵: Oral Presentations: Session I

13¹⁵-16¹⁵: Poster session I

Tuesday

10⁰⁰-13¹⁵: Oral Presentations: Session II

13¹⁵-16¹⁵: Poster session II

27th International Symposium on Analytical and Environmental Problems

Oral Presentations: Monday (Session I)

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

10¹⁵-10³⁰

DETECTION OF THE BIODEGRADABILITY OF CELLULOSIC BIOMASS BY DIELECTRIC PARAMETERS

Laura Haranghy, Zoltán Jákói, Balázs Lemmer, Cecilia Hodúr, Sándor Beszédes

10³⁰-10⁴⁵

METHANOL OXIDATION CATALYST BY ATOMIC LAYER DEPOSITION

Gergő Ballai, Tamás Gyenes, Henrik Haspel, Lívia Vásárhelyi, Imre Szentí, Dániel Sebők, Ákos Kukovecz and Zoltán Kónya

10⁴⁵-11⁰⁰

HIGH-PERFORMANCE LIQUID CHROMATOGRAPHIC SEPARATION OF PHARMACEUTICALLY RELEVANT ISOPULEGOL-BASED COMPOUNDS

Attila Bajtai, Tam Minh Le, Zsolt Szakonyi, Antal Péter, István Ilisz

11⁰⁰-11¹⁵

FACTORIAL DESIGN ANALYSIS OF PHOSPHATE REMOVAL FROM MODEL SOLUTION BY IRON-LOADED POMRGRANATE PEEL

Naoufal Bellahsen, Szabolcs Kertész, Cecília Hodúr

11¹⁵-11³⁰

PASSIVE SAMPLING FOR PESTICIDES AND PAHs IN THE SIMONA PROJECT

Mária Mörtl, Eszter Takács, András Székács

Coffee Break

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

12⁰⁰-12¹⁵

AN ECONOMIC METHOD OF MICROPLASTIC SEPARATION, EXTRACTION AND IDENTIFICATION IN AGRICULTURAL SOILS

Ibrahim Sa'adu, Andrea Farsang

12¹⁵-12³⁰

THE EFFECT OF EXTRACTION TIME AND SAMPLE RATIO ON THE PROCESS OF EXTRACTING ACTIVE SUBSTANCES FROM HAWTHORN (CRATAEGUS MONOGYNA) USING ULTRASOUND

Areej Alsobh, Szilvia Bánvölgyi, Gyula Vatai

12³⁰-12⁴⁵

MECHANOCHEMICAL ACTIVATION OF KAOLINITE TO MANIPULATE THE DISSOLUTION KINETICS OF THE SOLID

Eszter Kása, Márton Szabados, Pál Sipos

12⁴⁵-13⁰⁰

POTENTIAL SOURCES, SYNTHESIS METHODS AND INDUSTRIAL APPLICATIONS OF WASTE GENERATED GRAPHENONE-BASED NANOCOMPOSITES

Péter Nagy, Tamás Szabó, Badrul Mohamed Jan, Rabia Ikram

13⁰⁰-13¹⁵

INVESTIGATION OF ENANTIOSELECTIVE HPLC SEPARATIONS OF FLUORINATED β -PHENYLALANINE DERIVATIVES

Gábor Némethi, Sayeh Shahmohammadi, Enikő Forró, Antal Péter, István Ilisz

27th International Symposium on Analytical and Environmental Problems

Oral Presentations: Tuesday (Session II)

Session Chair: Dr. Daniela Sojic Merkulov (*University of Novi Sad, Faculty of Sciences, Department of Chemistry, Biochemistry and Environmental Protection*)

10⁰⁰-10¹⁵

ETHICAL FOUNDATIONS BEHIND SOCIAL RESPONSIBILITY: A STUDENT SURVEY

László Berényi, Nikolett Deutsch

10¹⁵-10³⁰

A SIMPLE METHOD TO BUILD CATALYST LAYERS FOR THE SYNTHESIS OF VERTICALLY ALIGNED CARBON NANOTUBES

Lilla Nánai, Anna Szabó, Tamás Gyulavári, Zsejke Réka Tóth, Klára Hernádi

10³⁰-10⁴⁵

INFLUENCE OF INORGANIC CONSISTUENTS ON PHOTOCATALYTIC DEGRADATION OF IBUPROFEN

Mladenka Novaković, Goran Šrbac, Maja Petrović, Dragana Šrbac, Ivana Mihajlović

10⁴⁵-11⁰⁰

AMMONIUM REMOVAL FROM AQUEOUS SOLUTIONS USING BANANA LEAVES MODIFIED BIOCHAR

Fernanda Pantoja, Sándor Beszédes, Zsuzsanna László

11⁰⁰-11¹⁵

ENANTIOSELECTIVE SEPARATIONS WITH HIGH- AND ULTRAHIGH-PERFORMANCE CHIRAL LIQUID CHROMATOGRAPHY STATIONARY PHASES

Dániel Tanács, Róbert Berkecz, Antal Péter, István Ilisz

11¹⁵-11³⁰

HOW CAN THE INTEGRATION OF ENVIRONMENTAL CONSIDERATIONS INTO CONSTRUCTION DECISIONS HELP?

Zsuzsa Szalay, Balázs Sára, György Gröller, Zsolt István, Renáta Sándor, Klára Tóthné Szita

Coffee Break

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

12⁰⁰-12¹⁵

PALLADIUM RECOVERY BY ADSORPTION ONTO IONIC LIQUID-IMPREGNATED LAYERED DOUBLE HYDROXIDES

Nick Samuel Tolea, Lavinia Lupa, Radu Lazau, Laura Cocheci

12¹⁵-12³⁰

ECOTOXICOLOGICAL APPROACH OF SURFACTANTS TREATED BY IONIZING RADIATION

Vanessa Silva Granadeiro Garcia, Jorge Marcos Rosa, Thalita Tieko Silva, Sueli Ivone Borrely

12³⁰-12⁴⁵

NOVEL IRON COMPLEXES WITH GLYOXIMES, SCHIFF BASES AND BORIC ACID DERIVATIVES: SYNTHESIS, PHYSICO-CHEMICAL ANALYSIS AND BIOLOGICAL STUDY

Csaba Várhegyi jr., Ernő Kuzmann, Zoltán Homonnay, Roland Szalay, György Pokol, Firuța Goga, Péter Huszthy, Judit Papp, Melinda Simon-Várhegyi, Róbert Tötös, Alexandra Avram

12⁴⁵-13⁰⁰

METAL CONTENT OF SEASHELLS FROM BLACK SEA'S ROMANIAN COAST

Alexandra Ioana Bucur, Mihai-Cosmin Pascariu, Bogdan-Ovidiu Taranu, Raul Bucur, Iosif Hulka, Radu Banica

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13⁰⁰-13¹⁵

ACCURATE DETECTION OF SARS-CoV-2 MIGHT BE A CHALLENGE IN THE MOLECULAR BIOLOGY LABORATORY FOR RT-PCR FINAL RESULTS

Mirela Ahmadi, Doris Oarga, Valerica Bica, Delis Rinaldo Ilianu, Dragoș Chende, Ioan Peț, Lavinia Ștef, Isidora Radulov, Tiberiu Iancu, Stefan Acatincăi, Dorel Dronca

Poster Session:

The posters can be viewed and commented anytime during the conference!

The WEB page is open for all the registered attendees!

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