

**4th Young Researchers' International Conference
on Chemistry and Chemical Engineering (YRICCCE IV)
1-3 June 2023, Debrecen, Hungary**

Programme

June 1th (Thursday)

12:00 - Registration

14:00 - 14:30 Opening

Chair: Sándor Kéki

Invited Lecture

14:30 - 15:00 PL1 **Péter Nagy** – *Department of Molecular Immunology and Toxicology and the National Tumor Biology Laboratory, National Institute of Oncology, 1122 Budapest, Hungary*
Control of Cellular Functions Through Protein Cysteine Persulfidation

15:00 - 18:00 Poster session, Flash presentations: P5, P6, P26, P27, P29, P30, P31, P34

18:00 - Welcome

June 2th (Friday)

Chair: Livia Simon Sarkadi

Invited Lecture

09:00 - 09:30 PL2 **Adrian-Alexandru Someşan** - *Department of Chemistry, Supramolecular Organic and Organometallic Chemistry Centre (SOOMCC), Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, Romania*
Organometallic compounds of heavy group 14 elements (Sn, Pb) – from ligand design to applications

Chair: Anca Silvestru

Oral Presentations

- 09:30 - 09:45 O1 **Cătălin-Eduard Salgău, Alexandra Pop, Anca Silvestru** - Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Supramolecular Organic and Organometallic Chemistry Centre, Romania
Cadmium complexes with organoselenolato ligands. Synthesis and structural characterization
- 09:45 - 10:00 O2 **Raffaele Fontana, Levente Kiss, Cristian Silvestru** - Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Department of Chemistry, Supramolecular Organic and Organometallic Chemistry Centre, Romania
Synthesis, characterization and evaluation of the catalytic properties of phosphine- and stibine- ligated cyclometalated palladium complexes
- 10:00 - 10:15 O3 **Anamaria Lavinia Corjuc, Anca Silvestru** - Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Supramolecular Organic and Organometallic Chemistry Centre, Romania
Structural aspects in silver complexes with diorganochalcogen ligands of type $(2-XC_6H_4CH_2)_2E$ (E = S, Se; X = Br, CH₃)
- 10:15 - 10:30 O4 **Maria-Caterina Afloarei, Cristian Silvestru** - Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Department of Chemistry, Supramolecular Organic and Organometallic Chemistry Centre, Romania
Synthesis, structural characterization and reactivity of novel organoantimony(III) aryloxides

10:30 - 11:00 Coffee break

Chair: Adrian-Alexandru Someşan

Oral Presentations

- 11:00 - 11:15 O5 **Haythem S. Basheer, Mohit Yadav, Janos Kiss, András Sápi, Ákos Kukovecz, Zoltán Kónya** - Department of Applied and Environmental Chemistry, Interdisciplinary Excellence Centre, Hungary
Fe-loaded ZnO for sustainable CO₂ photocatalysis: A step towards CO₂ utilization''

- 11:15 - 11:30 O6 **Amin Hassani Moghaddam, Robert Mucsi, Fanni Czirok, András Sági**- *Department of Applied and Environmental Chemistry, University of Szeged, Hungary*
Effect of CeO₂ morphologies On CO₂ conversion to CO via revers water gas shift reaction
- 11:30 - 11:45 O7 **Serra Üneri Haymana; Lajos Nagy; Tibor Nagy; Ákos Kuki; Sándor Kéki** - *University of Debrecen, Faculty of Science and Technology, Department of Applied Chemistry, Hungary*
Development and study of Li-AIR battery using carbon cathode
- 11:45 - 12:00 O8 **Hanna Judit Szabó, István Lázár, Lajos Daróczi** - *University of Debrecen, Department of Inorganic and Analytical Chemistry, Hungary*
Synthesis of metal nanoparticle-containing aerogels and their potential application as catalysts
- 12:00 - 12:15 O9 **Balázs Szathmári, Zsolt Kelemen** - *Department of Inorganic and Analytical Chemistry, Faculty of Chemical Technology and Biotechnology, Budapest University of Technology and Economics, Hungary*
Synthesis of carboranyl-siloles – new aiegens

12:15 - 13:30 Lunch

Chair: Livia Simon Sarkadi

Oral Presentations

- 13:30 - 13:45 O10 **Zsófi Sajtos, Edina Baranyai, Tamás Varga, Zita Gajdos, A.J. Timothy Jull, Zsuzsa Lisztes-Szabó, Mihály Molnár** - *Atomic Spectroscopy Partner Laboratory, Department of Inorganic and Analytical Chemistry, Faculty of Science and Technology, University of Debrecen, Hungary*
The sweetest time capsules - the MP-AES analysis coupled with AMS age determination of hungarian multifloral honey samples
- 13:45 - 14:00 O11 **Renáta Németh, Liliána Kata Sznopka, Csenge Orosz, Sándor Tömösközi** - *Budapest University of Technology and Economics, Research Group of Cereal Science and Food Quality, Department of Applied Biotechnology and Food Science, Faculty of Chemical Technology and Biotechnology, Hungary*
Investigation of the techno-functional role of dietary fibers in food matrices based on gluten-free cereals and pseudocereals
- 14:00 - 14:15 O12 **Kaltrina Berisha, Zsuzsanna Mednyánszky, Hysen Bytyçi, Livia Simon Sarkadi** - *Hungarian University of Agriculture and Life Sciences, Institute of Food Science and Technology, Department of Nutrition, Hungary*
Determination of protein quality of beef sausage

- 14:15 - 14:30 O13 **Arijit Nath, Geremew Geidare Kailo, Kenbon Beyene Abdisa, Zsuzsanna Mednyánszky, Emőke Szerdahelyi, Attila Csighy, Andras Koris** - *Department of Food Process Engineering, Institute of Food Science and Technology, Hungarian University of Agriculture and Life Sciences, Hungary*
Antioxidant and antibacterial activities of peptides by hydrolysis of soybean milk protein by papain
- 14:30 - 14:45 O14 **Andreea Gostăviceanu, Dana Maria Copolovici** - *"Aurel Vlaicu" University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection and Institute of Technical and Natural Sciences Research-Development-Innovation of "Aurel Vlaicu" University, Romania*
Current applications of antimicrobial peptides
- 14:45 - 16:00 Poster session
- 16:00 – 18:00 Sightseeing in Debrecen
- 19:30 - Dinner

June 3th (Saturday)

Chair: Cristian Silvestru

Oral Presentations

- 09:00 - 09:15 O15 **Lama Ismaiel; Ancuta Nartea; Benedetta Fanesi; Deborah Pacetti; Paolo Lucci; Henry Jaeger** - *Università Politecnica delle Marche, Department of Agricultural, Food and Environmental Sciences, Italy*
Volatile compounds profile of sardines (*sardina pilchardus*) treated with high-pressure processing technology
- 09:15 - 09:30 O16 **Albert Gashi, György Kenesei, Zsuzsanna Mednyánszky, Livia Simon-Sarkadi** - *Hungarian University of Agriculture and Life Sciences, Department of Nutrition Budapest, Hungary*
Changes in the free amino acid content of sausages due to high hydrostatic pressure treatment
- 09:30 - 09:45 O17 **Areej Alsobh, Gyula Vatai, Szilvia Bánvölgyi** - *Department of Food Process Engineering, Institute of Food Science and Technology, Hungarian University of Agriculture and Life Sciences, Budapest, Hungary*
Recovery of bioactive anthocyanin pigments from hawthorn fruit by infusion, microwave, and ultrasound-based extraction techniques

- 09:45 - 10:00 O18 **Yvette Szabó, Márton Szabados, †István Pálinkó, Pál Sipos** – *University of Szeged, Faculty of Science and Informatics, Department of Inorganic, Organic and Analytical Chemistry, Hungary*
Microwave-induced base-catalyzed synthesis of methyl levulinate from levulinic acid
- 10:00 - 10:15 O19 **Nguyen Thi Phuong Hoang, Ferenc Fodor, Gyula Záray, Anett Endrédi, Christina Strel, Dieter Ingerle, Philipp Ziegler, Martin Radtke, Ana Guilherme Buzanich, Péter Dobosy** - *Institute of Aquatic Ecology, Centre for Ecological Research, Hungary*
Iodine biofortification of cabbage plants cultivating in a hydroponic system
- 10:15 - 10:30 O20 **Simona Ioniță, Mihaela Deaconu, Roxana-Cristina Popescu, Daniel Lincu, Raul-Augustin Mitran, Cristian Matei, Diana-Iulia Savu, Daniela Berger** - *University "Politehnica" of Bucharest, Faculty of Chemical Engineering and Biotechnology, Romania*
Drug delivery systems based on boronic acid-functionalized silica for cancer therapy
- 10:30 - 11:00 Coffee break
- Chair: Lucian Pop*
- Oral Presentations**
- 11:00 - 11:15 O21 **Adelina A. Andelesc, Carmen Cretu, Elisabeta I. Szerb, Anca Silvestru** - *"Coriolan Dragulescu" Institute of Chemistry, Romania*
Water soluble luminescent coordination complexes
- 11:15 - 11:30 O22 **Simion Bogdan Angyus, Marin Șenilă, Eniko Covaci, Tiberiu Frențiu** - *INCDO-INOE 2000, Research Institute for Analytical Instrumentation, ICIA, Romania*
Diffusive gradients in thin film and electrothermal vaporization capacitively coupled plasma optical emission spectroscopy method for the evaluation of bioavailable Cu, Zn, Cd and Pb fraction in agricultural soils
- 11:30 - 11:45 O23 **Eniko Covaci; Bogdan Simion Angyus; Marin Senila; Maria Frențiu; Tiberiu Frențiu** – *Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Romania*
Greenness and whiteness of small-sized electrothermal vaporization capacitively coupled plasma optical emission spectrometry with *in-situ* diffusive gradients in thin films passive sampling (DGT-SSETV- μ CCP-OES)
- 11:45 - 12:00 Closing remarks
- 12:00 - Farewell lunch

Poster section

- P1 **Viktória Balla, Viktória Forgács, István Józai**
*University of Debrecen, Faculty of Medicine, Department of Medical Imaging,
Department of Nuclear Medicine and Translational Imaging,
4032 Debrecen, Nagyerdei krt. 98.*
Fast chromatographic determination of enantiomeric purity of [¹¹C]methionine by
pre-column derivatisation method
- P2 **Dóra Veronika Barta, Tibor Nagy, Veronika Pardi-Tóth, Gergő Róth, Ákos Kuki,
Sándor Kéki**
*University of Debrecen, Faculty of Sciences and Technology, Department of Applied
Chemistry, H-4032 Debrecen, Egyetem tér 1, Hungary*
Characterisation of multi-block co-polymers by Mass spectrometry (MS)
- P3 **Máté Benedek, Tibor Nagy, Gergő Róth, Ákos Kuki, István Timári, Miklós Zsuga,
Sándor Kéki**
*University of Debrecen, Faculty of Science and Technology, Institute of Chemistry
H-4032 Debrecen, Egyetem tér 1., Hungary*
Characterization of copolymers using gel permeation chromatography and neural
networks
- P4 **Diana-Ioana Eftemie^{a,B}, Teodora Mocanu^c, Sergiu Shova^d, Diana Dragancea^b,
Mihai Răducă^{a,B}, Marius Andruh^{a,B}**
*^aUniversity of Bucharest, Faculty of Chemistry, Department of Inorganic Chemistry,
Organic Chemistry, Biochemistry and Catalysis, 030018, Bucharest, Regina Elisabeta
Boulevard 4-12, Romania*
*^b"C. D. Nenitzescu" Institute of Organic and Supramolecular Chemistry of the
Romanian Academy, 060023, Bucharest, Splaiul Independenței Street 202B, Romania*
Four novel polynuclear Zn(II) complexes with a Schiff base ligand derived from
2,3-dihydroxybenzaldehyde: synthesis and characterization
- P5 **Réka Pálma Erdei^a, László Izsépi^a, Gyula Batta^a**
*^aDepartment of Organic Chemistry, University of Debrecen,
H-4032, Debrecen, Hungary*
Structure and mode of action studies of glycopeptide antibiotics: eremomycin and
oritavancin as seen by NMR

- P6 **László Bence Farkas^{a,b*}; Tamás Milán Nagy^{a,b}; Márk Racskó^c; Attila Borics^d; István Balázs Tóth^c; Katalin E. Kövér^{a,b}**
^aUniversity of Debrecen, Faculty of Science and Technology, Institute of Chemistry, Department of Inorganic and Analytical Chemistry, H-4032, Debrecen, Egyetem tér 1, Hungary
^bELKH-DE, Molecular Recognition and Interaction Research Group, H-4032, Debrecen, Egyetem tér 1, Hungary
Targeted binding investigation on living cell samples with saturation transfer triple difference (STTD) NMR method
- P7 **Mátyás Fodor^{a,b}, Zoltán Szűcs^b, Károly Brezovcsik^b**
^aUniversity of Debrecen, Doctoral School of Chemistry 4032 Debrecen, Egyetem tér 1., Hungary
^bInstitute for Nuclear Research 4026 Debrecen, Bem tér 18/c.,
Terbium isotope production, purification and radiolabelling at the Institute for Nuclear Research
- P8 **Antal Galvácsi^a, Csilla Kállay^a, Roland Császár^a, Lajos Nagy^b**
^aDepartment of Inorganic and Analytical Chemistry, University of Debrecen, H-4032, Hungary
Interaction of transition metal ions with a prion protein – beta amyloid model peptide
- P9 **Isaac Iglesias, Tibor Nagy, Ákos Kuki, Gergő Róth, Zuura Kaldybek Kyzy, Sándor Kéki**
University of Debrecen, Faculty of Science and Technology, Chemical Department, Egyetem tér 1, 4032, Debrecen, Hungary
Thermoresponse behavior of nam-nipa block polymer
- P10 **Bálint Jávorski^{1*}, Panna Vezse¹, Ádám Golcs¹, Péter Huszthy¹ and Tünde Tóth^{1,2}**
¹Department of Organic Chemistry and Technology, Budapest University of Technology and Economics, Szent Gellért tér 4, H-1111 Budapest, Hungary
Enantiodiscriminating Lipophilic Liquid Membrane-Based Assay for High-Throughput Nanomolar Enantioenrichment of Chiral Building Blocks
- P11 **Maria-Lorena Jinga¹, Lucian-Gabriel Zamfir¹, Găudean Vărzaru², Răzvan Ungurelu², Petru Epure³, Mariana Constantin¹, Iuliana Răut¹, Cristina Firincă¹, Nicoleta Radu¹, Luiza Jecu¹, Mihaela Doni¹, Ana-Maria Gurban^{1*}**
¹INCDCP-ICECHIM, 202 Spl. Independentei, 060021 Bucharest, Romania
Comparative study of different nanocomposite materials in the development of biosensors for biogenic amines detection

- P12 **Zuura Kaldybek Kyzy, Gergő Róth, Ákos Kuki, Alifya Balqis Zatalini, Miklós Zsuga, Sándor Kéki, Tibor Nagy**
University of Debrecen, Faculty of Science and Technology, Department of Applied Chemistry, Egyetem tér 1, H-4032, Debrecen, Hungary
Gel Permeation Chromatography Based Method Development for the Characterization of Thermoresponsive block copolymers
- P13 **Zsuzsa Kastal, Bettina D. Balogh, Adrien Balabán, Szilvia Vida, Petra A. Keczán, Tamás P. Szák-Kocsis, Katalin Várnagy**
University of Debrecen, Egyetem tér 1., H-4032 DEBRECEN, Hungary
Effect of the Amino Acid Environment of Histidine on the Metal Binding Selectivity of Tau Fragments
- P14 **Ghazaleh Khoshroo^a, András Sági^a**
^aUniversity of Szeged, Interdisciplinary Excellence Center, Department of Applied and Environmental Chemistry, H-6720, Rerrich Béla tér 1, Szeged, Hungary
Dry Reforming of Methane Based on Transition Metal Catalysts
- P15 **Aicha Nour Laouameria^{a,b}, Mátyás Hunyadi^a, Zoltán Szűcs^a**
^aInstitute for Nuclear Research, Atomki, Bem tér 18/c, 4026, Debrecen, Hungary
^bDoctoral School of Chemistry, Faculty of Science and Technology, University of Debrecen, Egyetem tér 1, H-4032 Debrecen, Hungary
Study of Diffusion Dynamics in PD/RH Alloy
- P16 **Valentina Moroşan, Luminiţa David, Bianca Moldovan**
„Babeş-Bolyai” University, Faculty of Chemistry and Chemical Engineering, 11, Arany Janos Str., 400028 Cluj-Napoca, Romania
Green synthesys of bimetallic Ag-Au and Au-Ag nanoparticles and their catalitic activity in the degradation of harmful dyes
- P17 **Medárd Kiss-Benkő, Sándor-Balázs Nagy, Márton Szabados, Pál Sipos**
University of Szeged, Faculty of Science and Informatics, Inorganic, Organic and Analytical Department, H-6720 Szeged, Dom Square 8, Hungary
Catalytic Activity of Lanthanum Cuprate (La₂CuO₄) in the Synthesis of Triazine Derivatives
- P18 **Radu Lucian Silaghi-Dumitrescu, Szilárd-Zoltán Pesek, Maria-Ştefana Lehene, Adrian - Mihai - Vasile Brânzanic**
Universitatea Babeş-Bolyai din Cluj-Napoca, Facultatea de Chimie și Inginerie Chimică, Strada Arany János 11, Cluj-Napoca 400028
On the origin of the blue color in the iodine / iodide / starch supramolecular complex
- P19 **Raluca – Ioana Rad^a, Adela Meghesan^a, Claudia Cimpoi^a, Liana Maria Costeab**
^aFaculty of Chemistry and Chemical Engineering, Babeş-Bolyai University of Cluj-Napoca, Arany Janos Str. 11, RO-400028, Cluj-Napoca, Romania
Determination of the number and content of pesticides residues found in the vegetables harvested from Transylvanian area

- P20 **Ágota Ragyák^{1,2}, Zita Gajdos¹, A.j. Timothy Jull^{3,5,6}, Mihály Molnár³, Zsófi Sajtos^{1,2}, Tamás Varga^{3,4}, Edina Baranyai¹**
¹Atomic Spectroscopy Partner Laboratory, Department of Inorganic and Analytical Chemistry, Faculty of Science and Technology, University of Debrecen, Egyetem Square 1, H-4032 Debrecen, Hungary
²University of Debrecen, Doctoral School of Chemistry, Debrecen, Hungary
Time travel with honeys – the MP-AES analysis coupled with AMS age determination of Hungarian acacia samples
- P21 **Aron Rop^{a,b}, Tibor Nagy^a, Ákos Kuki^a, Sándor Kéki^a**
^aUniversity of Debrecen, Faculty of Science and Technology, Department of Applied Chemistry, H-4032 Debrecen, Egyetem tér, Hungary
^bMacromolecular and Surface Chemistry Research Group, University of Debrecen, Faculty of Science and Technology, Department of Applied Chemistry, H-4032 Debrecen, Egyetem tér, Hungary
Self-Assembly of Pluronic-Type Amphiphilic Block Copolymers
- P22 **Zsófi Sajtos^a, Ágota Zsófia Ragyák^{a,B}, Fruzsina Hódi^a, Viktória Szigeti^a, Edina Baranyai^a, Gábor Bellér^c**
^aAtomic Spectroscopy Laboratory, Department of Inorganic and Analytical Chemistry, Faculty of Science and Technology, University of Debrecen, Egyetem Square 1, H-4032 Debrecen, Hungary
Hydroxymethylfurfural content of old honey samples – does the sticky treat really last forever?
- P23 **Balázs Sándor, Ágnes Grenács, Katalin Várnagy**
University of Debrecen, Egyetem tér 1. H-4032, Debrecen, Hungary
The effect of serine and threonine on the complex formation and hydrolytic stability of model peptides and the human tub α 1A protein fragment
- P24 **Vivien Szabó^{a,b}, Rebeka Mészáros^c, Pál Sipos^{b,D}, Márton Szabados^{a,B}**
^aDepartment of Organic Chemistry, University of Szeged, H-6720 Szeged, Dóm square 8, Hungary
^bMaterial and Solution Structure Research Group, Institute of Chemistry, University of Szeged, H-6720 Szeged, Aradi Vértanúk square 1, Hungary
Synthesis of Al(OH)₃ based layered double and triple hydroxides containing manganese, cobalt, nickel, copper and zinc, catalytic use under continuous flow conditions in hydrogenation reaction
- P25 **Bence Szakács^a, Tímea Kaszás^a, Tekla Blága^a, Kyle Doherty^b, Éva Juhász-Tóth^a, Trinidad Velasco-Torrijos^b, László Somsák^a, Marietta Tóth^a**
^aUniversity of Debrecen, Department of Organic Chemistry, H-4032 Debrecen, Egyetem tér 1., Hungary
Transformations of anhydro-aldose oximes into potentially biologically active carbohydrate derivatives

- P26 **Melinda Szasz, Dorina Casoni, Claudia Cimpoi**
Department of Chemistry, Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Arany Janos No. 11, Cluj-Napoca, Romania
Similarity of structure and biological activity relationship between antipsychotic drugs and plants with antipsychotic effect
- P27 **Melinda TAMAS, Roxana-Alexandra BUTUZA, Anca SILVESTRU**
Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Supramolecular Organic and Organometallic Chemistry Centre, 11 Arany János Street, 400028 Cluj-Napoca, Romania
Diorganotin(IV) complexes with organoselenolato ligands
- P28 **Petra Tolvaj, Sándor Kéki, Tibor Nagy**
University of Debrecen, Faculty of Science and Technology, Department of Applied Chemistry, Hungary, H-4032 Debrecen, Egyetem square 1
Analysis of cosmetic products by gas chromatography-mass spectrometry and direct-analysis-in-real-time mass spectrometry
- P29 **Cătălin Turcu^{a,b}, Cătălin Maxim^a, Teodora Mocanu^c, Simona Nica^b and Marius Andruh^{a,b}**
^aUniversity of Bucharest, Faculty of Chemistry, B-dul Regina Elisabeta, Nr. 4-12, Sector 3, Bucureşti – 030018 România
^b“C. D. Nenitescu” Institute of Organic and Supramolecular Chemistry of the Romanian Academy Splaiul Independenței, Nr. 202B, Sector 6, Bucureşti – 060023 România
Novel Cu(II) complexes using photoisomerizable ortho-vanilin azo derivatives ligands
- P30 **Serra Üneri Haymana, Lajos Nagy, Tibor Nagy, Ákos Kuki, Sándor Kéki**
University of Debrecen, Faculty of Science and Technology, Department of Applied Chemistry, 4032, Egyetem tér 1, Debrecen/Hungary
Research and improvement of Li-Air battery applying carbon based cathode
- P31 **Rita Végh^a, Mariann Csóka^a**
^aHungarian University of Agriculture and Life Sciences, Institute of Food Science and Technology, Department of Nutrition, H-1118 Budapest, Somlói street 14-16, Hungary
Effect of fruit powder fortification on the volatile profile of confectionery products
- P32 **Valentin L. Virgil^{1,2}, Simona Nica², Cătălin Maxim¹, Marius Andruh^{1,2}**
¹University of Bucharest, Faculty of Chemistry, Bulevardul Regina Elisabeta 4-12, Bucharest, Romania
²“Costin D. Nenitescu” Institute of Organic and Supramolecular Chemistry, Splaiul Independenței nr.202B, 060023, Bucharest, Romania,
[Ln₂(hfac)₄(ac)₂(OH)₂(OMe)₂] – versatile precursor for optical active d-f metal-complexes

P33 **Mohit Yadav^a, Dalibor Tatar^b, Igor Djerdj^b, András Sápi^a, Ákos Kukovecz^a, Zoltán Kónya^{a,c}**

^aDepartment of Applied and Environmental Chemistry, Interdisciplinary Excellence Centre, University of Szeged, H-6720, Rerrich Béla Sqr. 1, Szeged, Hungary

Novel cerium oxide-type high entropy rare earth oxides for photocatalytic CO₂ hydrogenation

P34 **Lucian-Gabriel Zamfir¹, Raluca Ianchiș¹, Petru Epure², Maria-Lorena Jinga¹, Iuliana Răut¹, Cristina Firincă¹, Nicoleta Radu¹, Mariana Constantin¹, Luiza Jecu¹, Mihaela Doni¹, Ana-Maria Gurban^{1,*}**

¹National Research & Development Institute for Chemistry & Petrochemistry - ICECHIM; Biotechnology Department, 202 Spl. Independentei, 060021 Bucharest, Romania

Prospective studies on the development of nanocomposite based electrochemical sensors for the detection of clinically relevant molecules

P35 **Miaomiao Zhang^a, Márta Üveges^a, Judit Tormási^a, Eszter Benes^a, Livia Simon Sarkadi^{a*}, Réka Vass^b, Sándor G. Vari^c**

^aInstitute of Food Science and Technology, Hungarian University of Agriculture and Life Sciences, H-1118 Villányi street 29-43. Budapest, Hungary

Determination of fatty acid composition in breast milk