



# LIST of POSTERS



Friday\*, September 26

Poster Sessions (Room Ground Floor)

09:00 – 11:00 **Poster Session 1** P1 – P43

11:00 – 13:00 **Poster Session 2** P44 – P86

**PP1** Nikola Mitović, Marija Kosić, Nina Japundžić-Zigon, Sanjin Kovačević, Čaba Silađi, Tatjana Baltić, Silvio De Luka, Mirjana Milinković-Srećković, Tomislav Tosti, Marija S. Stanković, *Hepatic biochemical alterations in Galectin-3 deficiency in a Psoriasisiform inflammation model: Insight from lipid profiling*

**PP2** Wiktoria Struck-Lewicka, Julia Jacyna, Joanna Raczak-Gutknecht, Margot Biesemans, Małgorzata Artymowicz, Marcin Markuszewski, Marcin Matuszewski, Michał Markuszewski, Danuta Siluk, Luigi Mondello, *Integration of LC-MS based targeted and untargeted metabolomics in urine samples of bladder cancer patients*

**PP3** Petr Tůma, *Construction of on-line coupling of capillary electrophoretic instrument to flow-through sampling technique*

**PP4** Katerina A. Ioannou, Maria N. Georgiou, Georgia D. Ioannou, Atalanti Christou, Martin G. Schmid, Ioannis J. Stavrou, Constantina P. Kapnissi-Christodoulou, *Enantiomeric separation of cathinone and fluorine-substituted amphetamine derivatives using a supramolecular deep eutectic solvent (SUPRADES) as the sole chiral selector in capillary electrophoresis*

**PP5** Renáta Konášová, Dušan Koval, Petr Tůma, Šimon Vaculín, Václav Kašička, *Study of metabolic pathways of ketamine enantiomers in rat blood plasma using CE-ESI/MS*

**PP6** Veronika Šolínová, Anna Kovalová, Dušan Koval, Václav Kašička, *Study of binding interactions between galectine-1 and glycopeptide ligands by partial-filling affinity capillary electrophoresis*

**PP7** Dušan V. Trajković, Marina M. Maletić, Marija M. Vukčević, Dragana Z. Živojinović, *Fly Ash-Based Geopolymers Modified with Chitosan and Polyvinyl Alcohol for Dye Adsorption from Water*

**PP8** Natalia Manousi, Florian Wieland, Matthäus Rupprecht, Hinrich Grothe, Erwin Rosenberg, *Drone-Based Air Sampling for the Characterization of Smell Events in the City of Vienna Using Thermal Desorption Gas Chromatography-Mass Spectrometry*

**PP9** Krištof Urban, Ivan Špáňik, Peter Oswald, *Large-Volume SPE System for Surface Water Sampling and GC-MS Analysis of Selected SVOCs*

**PP10** Krištof Urban, Nikiforos A. Alygizakis, Nikolaos S. Thomaidis, Peter Oswald, Liudmyla Khvalbota, Ivan Špáňik, Merolyne Natuhwera, Patrick Ssebugere, *High-Resolution Mass Spectrometry-Based Screening of Organic Pollutants in Sediment Samples from Lake Victoria*

**PP11** Miroslava Kuzniarová, Martina Micháliková, Milena Dömötöröová, *Screening and Quantification of Pesticide Residues in Drinking Water by LC-MS/MS*

**PP12** Maša Vračević, Robert Dominko, *Reverse electrodialysis for Lithium-Ion Removal, Recovery, and Energy Production from Wastewater*

**PP13** Tijana Radojičić, Marina Maletić, Marija Vukčević, Nataša Mladenović Nikolić, Katarina Trivunac, *Adsorption of cadmium and zinc ions onto fly ash-based geopolymer*

**PP14** Andreea Maria Iordache, Ana Maria Nasture, Ramona Zgavarogea, Roxana Elena Ionete, Elena Carcadea, Constantin Nechita, *Iso-Li: An open-source Python package for pipeline data from multicollection ICP-MS and an electromigration facility for 6Li enrichment based on training AI algorithms*

**PP15** Ksenia Trajković, Filip Sekereš, Đura Nakarada, Uroš Gašić, Tomislav Tosti, Hadi Waisi, Miloš Mojović, *Comparative Evaluation of Radical Scavenging Activity and Phytochemical Composition of Vitis vinifera L. cv. Vranac Grape Skin Extracts Obtained by Green Extraction Techniques*

**PP16** Ksenia Trajković, Đura Nakarada, Uroš Gašić, Tomislav Tosti, Hadi Waisi, Miloš Mojović, *Phytochemical Composition and Antiradical Potential of Thymus pannonicus All. Extracts: EPR and Orbitrap-Based Evaluation*

**PP17** Domenica Mangraviti, Francesca Rigano, Cinzia Cafarella, Katia Arena, Paola Dugo, Luigi Mondello, *Rapid Screening of genuine and adulterated Italian Chili Peppers by means of Ambient Mass Spectrometry (AMS) and statistical data analysis*

**PP18** Paola Donato, Cristian Reale, Ivana Bonaccorsi, Pietro Battaglia, Luigi Mondello, *Assessing Marine Environmental Pollution and its Effects on Biota by Chromatographic Techniques*

**PP19** Danijela Prokić, Eleonora Gvozdić, Svetlana Grujić, Tatjana Đurkić, *Limit of detection variability in LC-MS/MS: A case study on pesticide residues in apples*

**PP20** Roberto Laganà Vinci, Katia Arena, Francesco Cacciola, Paola Dugo, Luigi Mondello, *Investigation on phenolic profiles of Sicilian sumac fruits and leaves as promising nutraceutical sources*

**PP21** Miroslava Kuzniarová, Martina Micháliková, Milena Dömötöröová, *Pesticide Residue Monitoring in Baby Foods in Slovakia Using LC-MS/MS and GC-MS/MS*

**PP22** Maria Concetta Bruzzoniti, Simona Di Bonito, Luca Rivoira, *Non-Destructive Extraction Protocol Coupled with Pyr-GC/MS for the Microplastic Monitoring in Ruminant Feed Matrices*

**PP23** Katarína Hroboňová, Jana Sádecká, Sonja Veljović, *Prediction of sweet wine age – Application of UV-Vis absorption, Synchronous fluorescence spectroscopy, and HPLC-DAD methods*

**PP24** Katarína Hroboňová, Jana Sádecká, Jakub Masác, Sonja Veljović, Maja Natić, *Chemical and sensory characterization of liqueurs - Application of liquid chromatography and spectral methods, and sensory evaluation*

**PP25** Cristian Reale, Domenica Mangraviti, Francesca Rigano, Pietro Battaglia, Ivana Bonaccorsi<sup>1</sup>, Paola Donato, Luigi Mondello, *Assessing the Influence of Habitat and Climate Conditions on Cephalopods Lipidome by Rapid Evaporative Ionization Mass Spectrometry*

**PP26** Nevena Petrović, Tomislav Tosti, Tijana Srdić, Nebojša Jasnić, Marijana Kosanić, *Comparison of chemical profiles in acetonic extracts of different Armillaria species*

**PP27** Svetlana Hrouzková, Ján Hrouzek, Simona Šebestová, Agneša Szarka, Dragana Šunjka, Sanja Lazić, *Analytical method for selected fungicides detection in berry fruit-based baby food*

**PP28** Nevena Petrović, Tomislav Tosti, Marijana Kosanić, *Comparative analysis of the chemical profiles of the methanolic and acetonic extracts of the species Armillaria tabescens*

- PP29** Aleksandra Tasic, Jasna Kureljusic, Sava Leđanac, Tijana Srđić, Nebojša Jasnić, Tomislav Tosti, Zivoslav Tesic, *Presence of PCBs in different types of cheese from Serbia and Italy*
- PP30** Everaldo Attard, Adrian Bugeja Douglas, Hadi Waisi, Sava Leđanac, Tomislav Tosti, Slavica Blagojević, Marko Milojković, *Phenolic Profile, Total Polyphenol Content, and Antioxidant Activity of Selected Spices and Culinary Herbs*
- PP31** Everaldo Attard, Adrian Bugeja Douglas, Hadi Waisi, Sava Leđanac, Tomislav Tosti, Slavica Blagojević, Bojana Božilović, *The Physicochemical Properties and Antioxidant Activity of cloves and coriander*
- PP32** Anastasia Korpeti, Natalia Manousi, Abuzar Kabir, Erwin Rosenberg, *Determination of fluorobenzoic acids in water samples using TMSH derivatization and fabric phase sorptive extraction*
- PP33** Valentin Schierer, Cornelia Rieder-Gradinger, Erwin Rosenberg, *Odor profile transformations of pine strands due to thermal treatment and influence of oxidative fatty acid degradation*
- PP34** Aleksandra Tasic, Ivan Pavlovic, Zivoslav Tesic, Sava Leđanac, Nada Plavša, Tomislav Tosti, Milica Kalaba, *Analysis of multiple pesticide residues in honey using GC/MS and risk assessment for consumers*
- PP35** Simo' Irina Monica, Vlad Alexandru Pănescu, Mihaela-Cătălina Herghelegiu, Mihail Simion Beldean-Galea, *Development of Methods for the Extraction and Analysis of Persistent Organic Pollutants from Aquatic Sediments by Ultrasound-Assisted Extraction and Gas Chromatography Analysis*
- PP36** Marija Bajović, Danijela Prokić, Tatjana Đurkić, *Validation of a multi-residue GC-MS/MS method for the determination of 120 pesticide residues in herbal tea*
- PP37** Milenković Ivana, Ksenija Radotić, Jelena Trifković, Ljubodrag Vujisić, Vladimir P. Beškoski, *Using comprehensive two-dimensional gas chromatography-mass spectrometry for screening of semi-volatile compounds in plants*
- PP38** Elisa Irrera, Alessia Tropea, Tania Maria Grazia Salerno, Giuseppe Micalizzi, Luigi Mondello, *Gas chromatography coupled with Mass Spectrometry and Fourier Transform Infrared Spectroscopy for the univocal identification of volatiles in Cannabis Sativa L. essential oils\_*
- PP39** Mehmet Çolak, Hayriye Aral, Tarık Aral, Meryem Tokdemir, Kübra Tunç, Murat Sünkür, *Comparative Evaluation of Different Stationary Phases for the Separation Diverse Analyte Groups Based on Previously Published Data*
- PP40** Milica Mičić, Sinéad Currivan-Macdonald, Mary Deasy, *Towards the fabrication of polymeric monolithic columns for HILIC applications*
- PP41** Milena Rmandić, Đorđe Vasilić, Marija Rašević, Mira Zečević, Biljana Otašević, Ana Protić, Anđelija Malenović, *Chaotropic chromatography method for ziprasidone and its five impurities determination, developed by AQbD*
- PP42** Dragana Popović, Jovana Savanović, Andrija Vučetić, Tatjana Ćurčić, Dragana Despot, Tatjana Đurkić, *Optimized UHPLC-MS/MS method for the determination of quaternary ammonium compounds in water*
- PP43** Michal Kašpar, Roberto Laganà Vinci, Francesco Cacciola, Luigi Mondello, Petr Česla, *Novel Approach for Gradient Elution Optimization in LC-MS/MS Employing QSRR Prediction of Retention Data*

**PP44** Radka Bartová, Ľubomír Kuračka, Darina Petrleničová, Monika Ďurfinová, *Changes of glycine-aspartate metabolism at glutamatergic synapses in multiple sclerosis: evidence from cerebrospinal fluid*

**PP45** Anamaria Zaharia, Marinela Dumitru, Mihaela Neagu, Andrei Sarbu, Cristina Luntraru, AnitaLaura Chiriac, Ana-Mihaela Gavrilă, Teodor Sandu, Elena-Bianca Stoica, Andreea Maria Pana, Tanța -Verona Iordache, *Concentration and Enrichment of Primary Phytoextracts in Catechin Tannins Using Phytoextract – Molecularly Imprinted Particles*

**PP46** Anita-Laura Chiriac, Andreea Miron, Mihaela Neagu, Anamaria Zaharia, Cristina Luntraru, AnaMihaela Gavrilă, Teodor Sandu, Sorin Dolana, Iulia Elena Neblea, Andrei Sarbu, Tanta-Verona Iordache, *Two-component molecularly imprinted adsorbents and their application in separation processes*

**PP47** Huseinatu Osman, Jevrem Stojanović, Ana Protić, Mira Zečević, Anđelija Malenović, Biljana Otašević, *Embracing green chromatography principle in perindopril, amlodipine and indapamide drug mixture analysis using  $\beta$ -cyclodextrin modified mobile phase*

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**PP52** Nemanja Koljančić, Olga Vyviurska, Adriano A. Gomes, Ivan Špánik, *Advanced chromatographic and data-driven strategies for the classification and age estimation of botrytized wines*

**PP53** Nemanja Koljančić, Adriana Chlpeková, Kuburah Onize Ismaila, Ivan Špánik, *Optimization and characterization of VOC profiles in geographically diverse coffee samples using GC×GC-HRTOF-MS*

**PP54** Irena Vovk, Vesna Glavnik, Péter G. Ott, Ágnes M. Móricz, Simona Strgulc Krajšek, *HPTLC and HPTLC-effect-directed analyses of phytochemicals in tree of heaven (Ailanthus altissima)*

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**PP59** Natasa P. Kalogiouri, Nefeli Agkolli, Artemisa Frokaj, Victoria F. Samanidou, Erwin Rosenberg, Tajana Amšel Zelenika, Mirta Balenović, Marija Berendika, Fani Krstulović, Ana Vulić, Camelia Tulcan, Camen Dorin, Roberta Tripon, Marijana Sokolović, *Development of a High Resolution Mass Spectrometric method for the determination of bioactive compounds in aromatic plants and herbs*

**PP60** Marinela Cvetanoska, Vlado Matevski, Marina Stefova, Jasmina Petreska Stanoeva, *Phytochemical Investigation of Macedonian Stachys Species Using Natural Deep Eutectic Solvent Extraction and HPLC-DAD-MS Analysis*

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